

ARCTIC BIBLIOGRAPHY

PREPARED FOR AND IN COOPERATION WITH
THE DEPARTMENT OF DEFENSE

UNDER THE DIRECTION OF
THE ARCTIC INSTITUTE OF
NORTH AMERICA

VOLUME I



DEPARTMENT OF DEFENSE

1953

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FOREWORD

Preparation of the Arctic Bibliography was begun in 1947 under an Office of Naval Research contract with the Arctic Institute of North America. The project has been carried out with the joint support of the Department of the Army, the Department of the Navy, and the Department of the Air Force under the supervision of a directing committee. These volumes are the result of 4 years' work, and it is believed that they contain sufficient material to meet the urgent requirement for a key to existing knowledge of the Arctic and to serve as a fundamental research tool. Of necessity, the bibliography is incomplete and as there is an ever present requirement to maintain it up to date, annual supplements are planned which will emphasize current publications and include such others as are particularly important to Arctic research.

The Directing Committee, composed of librarians, scientists, and representatives of the military agencies and the Arctic Institute, determined policies and exercised general supervision over the project. The Project Staff, composed of full or part time scientists, analysts, and clerks, was under the supervision of the project director and editor, Marie Tremaine. Members of this staff were: Mr. Vladimir Asmous of the Harvard University Library (who analysed Eurasian botany and zoology); Miss Anvor Barstad, formerly of Columbia University, Teachers' College Library (Scandinavian materials); the late Dr. Eugene A. Golomshtok (permafrost); Miss Mary C. Grier (chief analyst); Mrs. Bertha Kucherov (Russian material); Dr. Peveril Meigs, former editor of JANIS (geography and anthropology); Mr. George Mitchell, Office of The Quartermaster General (meteorology, including Russian); Mr. Arvid Paulson (Scandinavian materials); Mr. Peter A. Pertzoff, formerly of the New York Public Library (Russian material); Mr. Eric T. Schuler, Library of Congress (Russian material); and Dr. Vladas Stanka, formerly of Kaunas and Vilna Universities (Russian material).

The Directing Committee and editor wish to acknowledge

the generous aid and cooperation of many institutions and friends who have made preparation of the *Arctic Bibliography* possible, particularly the Canadian Government which contributed financially to the project and assisted in the work. Individually, special acknowledgment must be made to the Librarian of Congress, to Dr. Burton W. Adkinson, Mr. Robert C. Gooch, and to the officers and staff of this Library for their counsel and active assistance which included working space made available to the project; to the Librarian of the U.S. Geological Survey and the editor of its *Bibliography of North American Geology*; to the Librarians of the Smithsonian Institution, the U.S. National Museum, the U.S. Hydrographic Office, and the U.S. Department of Agriculture; to the Director and staff of the U.S. Board on Geographic Names; to Nordis Felland, Librarian of the American Geographical Society; to the Geological Society of America and Marie Siegrist, editor of its *Bibliography and Index of Geology exclusive of North America*; to the American Meteorological Society and Malcolm Rigby, editor of its *Meteorological Abstracts and Bibliography*; to Mr. L. B. Skinner, Secretary of the Canadian Board on Geographical Names; to Jean Matheson, Librarian of the Geographical Branch, Department of Mines and Technical Surveys of Canada; to Miss N. I. Wills, Librarian of the Geological Survey of Canada; to officers of the Northern Administration and Lands Branch and the Forestry Branch of the Department of Resources and Development of Canada; to Father A.-M. Morisset, o.m.i., Librarian of the University of Ottawa. Dr. Vilhjalmur Stefansson very kindly furnished the hospitality of his arctic library. Vladimir C. Asmous and George S. Mitchell, research analysts, contributed much beyond the demands of the project director. Mary C. Grier, chief analyst and Jeannette Stewart, editorial assistant, gave freely of time and skill far beyond the requirements of their responsibilities. Above all, however, the committee wishes to acknowledge the leadership and guidance given to the project by its director, Marie Tremaine, who is primarily responsible for these volumes.

HENRY B. COLLINS, JR.
Chairman, Directing Committee
Arctic Bibliography

June 1951

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INTRODUCTION

The Arctic Bibliography aims to bring into a unified systematic record, publications resulting from the exploration and scientific investigation of northern regions hitherto little known or difficult of access and development by peoples native to the temperate zone. As, over more than a thousand years, men from Europe, Asia, and latterly North America have penetrated into the North they have extended not only knowledge of untrodden lands and seas, but also the limits of most of the biological and certain of the physical and social sciences. In recent decades, new facilities and techniques in travel and adaptation to the environment have accelerated and increased the range of northern investigations, with a corresponding extension of an already immense and varied literature. To enable coordination of this literature into a bibliographic unit, it was necessary for the Arctic Institute's Bibliography to set some limit to its field of interest. While there is difficulty in defining strictly what should be considered "arctic" literature, from one viewpoint the field could be defined specifically, albeit somewhat arbitrarily, namely by a geographic delimitation. The southern boundary of the area of interest for bibliographic purposes (as drawn on index map) was defined as follows:

a. In Canada and Labrador. Commencing at the southwest corner of Yukon Territory on the 141st meridian eastward along the southern boundary of Yukon Territory and Mackenzie District, 60° parallel, to the junction of Mackenzie and Keewatin Districts on the 102° meridian, thence south along the 102d meridian to the 56th parallel, thence east along the 56th parallel to the 96th meridian, thence south along the 96th meridian to the 54th parallel, thence east along the 54th parallel to the 92d meridian, thence south along the 92d meridian to the 52d parallel, thence east along the 52d parallel to the 84th meridian, thence south along the 84th meridian to the 50th parallel, thence east along the 50th parallel to the 76th meridian, thence north along the 76th meridian to the 52d parallel, thence east along the 52d parallel to the Atlantic Ocean.

b. In the Atlantic. From the Labrador coast at the 52d parallel northeasterly to a point 150 miles (nautical) south of Cape Farewell (at approximately 59°47' N. 43°50' W.), thence parallel to the East Greenland coast

at a distance of 150 miles (nautical) to the Arctic Circle (at approximately 23° W.), thence easterly along the Arctic Circle to the White Sea (at approximately 34° E.).

c. *In Eurasia.* Following the shore of the White Sea southward at 3 miles (nautical) from the shore to include the water area but excluding the land area to the boundary of Nenets Okrug and Arkhangelsk Oblast, thence east along this boundary and the boundary between Nenets Okrug and Komi ASSR, thence south along the boundary between Komi ASSR and Yamalo-Nenets Okrug to the 62d parallel, thence east along the 62d parallel to the Okhota River at approximately 142°30' E., thence south along the Okhota River to the Okhotsk Sea at its mouth, thence west and south along the coast of the Okhotsk Sea and Sakhalinskiy Gulf at a distance 3 miles from shore to the intersection of the 51st parallel with the east coast of Sakhalin Island, thence east along the 51st parallel excluding the northernmost Kuriles but including Cape Lopatka.

d. *Pacific and Alaska.* From the point south of Cape Lopatka at 51° N. 156°30' E. eastward along the 51st parallel to a point 150 miles (nautical) from Unalaska Island (at approximately 165°30' W.), thence northeastward parallel to the Aleutian Islands and Alaskan mainland at a distance of 150 miles (nautical) from all land to the 135° W. meridian (at approximately 54°40' N.), thence eastward to the Canadian-Alaskan boundary and northwestward along this line to the starting point at the southwest corner of Yukon Territory.

e. *Iceland.* The Iceland and contiguous water area is to be included for some purposes only to bring existing bibliographies up to date and is, therefore, ruled off as a distinct area outside the main boundary. The boundary of this area will leave the main boundary at approximately 65° N. 30° W., and follow a distance of 150 miles (nautical) from the coast of Iceland to approximately 67° N. 10° W., thence along the 10th W. meridian to rejoin the main boundary at 70° N. 10° W.

While the field of interest necessarily includes much that is not climatically true arctic, it excludes some areas which are purely temperate, or of which (Iceland) the literature is relatively accessible through existing bibliographies.¹ To the field thus defined is added the region of the Grand Banks of Newfoundland for studies resulting from work of the International Ice Patrol, occasionally also, more southerly localities for data on permafrost conditions.

In study of an area so extensive, not only geography in the narrow sense but most of the earth sciences are involved. Some of these disciplines have been profoundly influenced throughout their entire development in modern times by arctic investigations, notably oceanography, meteorology, glaciology, terrestrial magnetism. Studies of aurora borealis and permafrost phenomena,

¹ Halldór Hermannsson's bibliographical publications relating to Iceland and the Fiske Icelandic collection in Cornell University Library.

though not entirely confined to the Arctic, owe their main development to work in arctic regions. Currently the increasing impact of technically advanced civilization upon culture groups but recently primitive in some regions, provides a laboratory situation for sociological study in the far North.

In the present bibliography of some twenty thousand publications, efforts have been made to represent field work in all disciplines and in all sections of the area, particularly in the nineteenth and twentieth centuries.² In selection of material, some (but not exclusive) priority has been given to narratives and scientific results written by the explorers and scientists themselves. To enable a rapid compilation of a large number of titles for these initial volumes of the *Arctic Bibliography*, files (as available) of all essentially arctic journals and of major journals in various subject fields have been searched from their initial volume through the issues for 1949.³ Many secondary journals (containing fewer basic or fewer northern papers) likewise have been searched. Work on many other sources more obscure, more difficult of access, more time consuming in investigation, goes forward, and it is anticipated that future supplemental volumes of the *Arctic Bibliography* will include not only results of current investigations but older, even classic, literature not analysed in time for the present publication.

Bibliographic control over this extensive arctic literature is attempted by an author—subject—regional record in an integrated pattern. The *Arctic Bibliography* is arranged in two sections: (1) an alphabetic register, under the author's name, of his books, papers, and contributions to works of multiple authorship; (2) a subject-geographic index to these publications.

(1) In this alphabetic register under the author's name appears the title⁴ transcribed from the publication itself and a bibliographic description of the item in standard library style, including citation of journals and other serials as they are listed in Winifred Gregory's *Union List of Serials in Libraries of the United States and Canada*, 1943 and 1945.⁵ An annotation or analysis (occasion-

² Exclusive of publications "classified," or restricted by government to official use.

³ Journals cited in this bibliography and libraries in which the publications were analysed by the staff members are listed in appendices to this introduction.

⁴ Titles in Cyrillic alphabet are transliterated according to Library of Congress transliteration system.

⁵ While this occasionally involves the adaptation of serial citations from the original to a standard form, it enables use of the journals, etc., in the numerous libraries indicated by Miss Gregory as well as that in which the Arctic Institute's staff member used the volume.

ally an abstract) descriptive of the publication's subject matter is appended, mentioning the area, time, and auspices or circumstances under which the exploration or investigation was made. Specific locality and other relevant details are indicated, as feasible, for observational data papers. Finally is noted the Library in which a copy of the publication was used by the analyst.⁶ Works of multiple authorship are included in the alphabetic register under the name of the editor, or expedition, etc., with brief note of the individual authors and their contributions, and reference to the full description of each paper under its author's name in this register.

(2) The subject-geographic index of some 100,000 entries (comprising author, an abbreviated title and date of the publication, with its reference number) is arranged under some 18,000 subject-geographic headings. Here each publication listed in the first (author) section is indexed for its principal subject matter, and also indexed (i. e. "cross-indexed") for other subjects to which the publication makes contribution. The subject headings represent (1) major disciplines, e. g. Anthropology, Botany, Economic conditions, Geography, Geology, Glaciology, Meteorology, Oceanography, Social conditions, Zoology, etc., and (2) these disciplines' main branches, linked by cross references. The publications themselves are indexed as specifically as possible within this somewhat limited pattern. Most subject headings have a sub-heading "Observations" where data papers on that subject are segregated.

Similarly the entire area of interest is subdivided for indexing purposes into a schematic pattern of 69 sections (indicated on index map). Publications are indexed to geographic section (or sections, as relevant) under the subject (or subjects), also vice versa; so that material on (e. g.) Mackenzie District is accessible by subject (e. g. Mackenzie District—Petroleum), and material on (e. g.) ice conditions is arranged by region (e. g. Ice conditions—Bering Sea). In addition relevant material is indexed to specific geographic features (identified in the index heading with generic term, "section" name and geographic coordinates e. g. Oymyakon (*pop. pl.*, Yakut ASSR; 63°15' N. 143°08' E.)), also to specific topical headings, or "catch" names. Geographic

⁶ Location of other copies of books is recorded in the Union Catalog in Library of Congress, and of papers (as mentioned above) in Gregory's *Union List of Serials*.

names as index headings are given in the vernacular form as authorized by official agency or maps.⁷

Under the heading "Expeditions," publications emanating from multiple-purpose or multiple-member expeditions are also indexed to the name of the expedition or the ship, in order to make accessible these peculiarly related materials of diverse authorship and subject matter on roughly the same area or route. Basic works on a subject or region are signalized in the index by an asterisk (*).

MARIE TREMAINE

June 20, 1951

Director of Arctic Bibliography Project

⁷ The U.S. Board on Geographic Names has generously aided in identifying geographic features and establishing name forms, as has the Canadian Board on Geographical Names for those in Canadian territory. Vernacular names in Cyrillic alphabet are transliterated according to U.S. Board on Geographic Names transliteration system.



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Leningrad. Gosudarstvennyi gidrologicheskii institut. Issledovaniia morei SSSR.

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Leningrad. Institut rastenievodstva. Otdel sel'sko-khoziaistvennoi meteorologii, *see* Trudy po sel'sko-khoziaistvennoi meteorologii.

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General discussion in three parts: (1) Endless struggle for supremacy, by O. S. Aamodt and G. W. Gasser; (2) Problems of grass and livestock, by O. S. Aamodt; and (3) Agriculture in various localities, by G. W. Gasser; dealing mostly with Matanuska Valley, Kenai Peninsula, Kodiak Island, and Southeast Alaska.

Copy seen: DLC.

11. AANDSTAD, SIGURD. Die Jahresringbreiten einiger seltenen Kiefern in Steigen, Nordland. (*Nytt magasin for naturvidenskapene*, 1939. Bd. 79, p. 127-40, illus.) *Title tr.: Annual rings of some rare pines from Steigen, Nordland.*

Contains measurements of the annual rings on cross sections of twelve pines (Pinus sylvestris) cut down in 1934, in Steigen, Nordland, Norway, illustrated by diagrams and several tables.

Copy seen: MH-A.

ÄNGSTRÖM. See No. 573-579.

12. AARIO, LEO. Über die Wald- und Klimaentwicklung an der Lappländischen Eismeerküste in Petsamo mit einem Beitrag zur nord- und mitteleuropäischen Klimageschichte. Helsinki, 1943. vii p., 1 l., 158 p. illus., tables, diagrs. (3 fold.) (Suomalainen eläin- ja kasvitieteellinen seura Vanamo. Kasvitieteellisiä julkaisuja. Osa 19, no. 1) *Title tr.: On the forest and climatic development of the Finnish arctic seacoast of Petsamo, with a contribution to northern and mid-European climatic history.*

Based on field work carried out 1936-38, in the region 68°12'-69°57'N. 27°11'-32°10'E., and on subsequent laboratory research in the Finnish Geological Commission and University of Helsingfors Botanical Institute. A study of the Pechenga region and part of the Rybachiy Peninsula's post-glacial development of forests, based on pollen analyses of bogs and the raised shorelines, and presented in type zones including coniferous, mixed, birch, tundra, and meadow; a section on paleoclimate of Petsamo and a bibliography (155 items).

Copy seen: DSI-M

13. AASGAARD, GUNNAR. Svalbard under og etter verdenskrigen. (Norsk geografisk tidsskrift, 1946-47. Bd. 11, p. 49-62, illus.) Also issued as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 65. *Title tr.: Svalbard during and after the World War.*

Discusses growth of the West Spitsbergen coal production from 1939-40; German air and naval attacks during the war; evacuation of the West Spitsbergen residents and miners; resumption of coal mining, and conjectures concerning other minerals in Svalbard (including Bear Island).

Copy seen: NNA.

14. ABBE, ERNST CLEVELAND, 1905- . Botanical results of the Grenfell-Forbes Northern Labrador Expedition, 1931. (Rhodora, Apr. 1936. v. 38, p. 102-161, 4 plates, sketch map, tables, diagrs.) Contributions from the Gray Herbarium of Harvard University, no. 111.

Contains a sketch of geology of northeastern Labrador, notes on the Kaumajet and Tornat Mts.; general ecological remarks, comparison of the flora of higher elevations with that of contemporary Greenland nunataks; dis-

cussion of contemporary climate and relic species, of possibilities of the survival of species during the Wisconsin glaciation or of their post-Wisconsin migration; and an annotated list of two hundred eight species of vascular plants. *Copy seen:* DA.

15. **ABBE, ERNST CLEVELAND**, 1905-. Phytogeographical observations in northernmost Labrador. (*In*: Forbes, Alexander. Northernmost Labrador, 1938. p. 217-34.)

A discussion of plant species in relation to present conditions, to the ice age, and after; with notes on migration of species. *Copy seen:* DLC.

16. **ABBES, H.** Die deutsche Nordpolar-Expedition nach dem Cumberland-Sunde. (Globus, 1884. Bd. 46, p. 294-98, 312-15, 328-31, 343-45, 365-68.)

Account of the German North Polar Expedition to Cumberland Sound, 1882-83, and of the establishment of its polar station in Kingua Fjord for meteorological and magnetic observations, as part of the First International Polar Year program. Included are general remarks on the physical features, natives and animal life in the region, and on the expedition's work during the wintering. *Copy seen:* DLC.

17. **ABBES, H.** Die Eskimos des Cumberlandgolfes. (*In*: International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Die deutschen Expeditionen, 1890. Bd. 2, p. 1-61, 4 plates.) *Title tr.*: Eskimos of Cumberland Gulf. Study of several tribes of Baffin Island and Eskimos, their relationships, customs, dwellings, clothing, art, religion, beliefs, language and artifacts. *Copy seen:* DLC.

18. **ABBES, H.** Die Eskimos des Cumberland-Sundes. (Globus, 1884. Bd. 46, p. 198-201, 213-18, illus.) *Title tr.*: The Eskimos of Cumberland Sound.

Ethnographical sketch, based on the author's observations while on the German International Polar Year Expedition, 1882-83, to Baffin Island. *Copy seen:* DLC.

ABBOT, CHARLES GREELEY, 1872-. See Helland-Hansen, B., & F. Nansen. Temperature variations. 1920.

ABBOTT, J. W. See No. 2761, 2765, 2769, 2775-2776.

ABEL, WOLFGANG. See Peters, H. B., & others. Beitrag z. Somatologie Angmagsalik-Eskimos. (Exped. Wegener). 1934.

ABELS, C. See Weber, M. W. C. Einleitende Bemerkungen z. Ergebnissen W. Barents. 1884.

19. **ABELS, H.** Erdmagnetische Beobachtungen in Obdorsk und Ssamarowo. (Akademiia nauk SSSR. Bulletin, 1899. Sér. 5, t. 11, p. 9-27, 2 sketch maps.) *Title tr.*: Geomagnetic observations in Obdorsk and Samarovo.

Results of measurements made incidentally, during an inspection trip to meteorological stations on the Ob River, 1898. Includes the data, and brief discussion correlating the results with earlier observations. *Copy seen:* DLC.

20. **ABERCROMBIE, WILLIAM RALPH**, 1857-. The Copper River country, Alaska. (Franklin Institute. Journal, 1904. v. 158, p. 289-310; 353-66, illus., map.)

Contains summaries of the expeditions in the Copper River country, Alaska, under the leadership of Abercrombie in 1884, 1898 and 1899. Includes notes on the recession of Childs and Miles Glaciers in the course of fifteen years; estimate of agricultural possibilities; description of the distribution of copper and gold deposits in the Wrangell Mts. and elsewhere in the area; and analysis of suitable routes for an all-American railroad to the interior. Map is copy of Valdez section of contour map for one route of railroad. *Copy seen:* DLC.

21. **ABERCROMBIE, WILLIAM RALPH**, 1857-. Report of Captain W. R. Abercrombie on explorations in Alaska. (*In* U. S. Adjutant-General's Office. Military Information Division. Reports of explorations in the Territory of Alaska [etc.] 1898, pub. 1899. p. 295-351, 457-62.) Reprinted with slight changes in U. S. Congress. Senate. Committee on Military Affairs. Compilation of narratives of explorations in Alaska, 1900. p. 563-91.

Contains the report of the commander of U. S. Military Exploring Expedition no. 2, in the Copper River region. Describes the crossing of Valdez Glacier and ascent of the Copper River to the Wrangell Mts. and return, with notes on the drainage, economic geolo-

gy, the Indians, timber, insects, fish. Includes a list of fifty-seven birds, and nineteen mammals, found in the Copper River valley; descriptions of possible railroad and other routes from Port Valdez to the Tanana region; gold rush to the Copper valley in 1898; weather observations at Port Valdez Apr. 19, 1898-Jan. 18, 1899.

Copy seen: DGS.

22. ABERCROMBIE, WILLIAM RALPH, 1857- . Supplementary expedition into the Copper River valley, Alaska, 1884. (*In:* U. S. Congress. Senate. Committee on Military Affairs. Compilation of narratives of explorations in Alaska, Washington, U. S. Govt. Print. Off., 1900. p. 383-408.)

Narrative of expedition undertaken to ascertain the character of the natives, routes, and possibilities of sustenance in the Copper River and upper Tanana River area. With Nuchek, on Hinchinbrook Island as headquarters, party explored Prince William Sound area, attempted ascent of Copper River, and interviewed natives of various tribes visiting Nuchek for fur trading. The narrative includes detailed description of navigation difficulties on Copper River owing to effects of Childs and Miles Glaciers; and notes on Tlingits (at Yakutat) Eyaks ("Ugalentsi"), South Alaska Eskimos, Tanainas, and Ahtenas, including data on Eyak wooden canoes and special use of tobacco by Eskimos.

Copy seen: DLC.

ABERCROMBIE, WILLIAM RALPH, 1857- . See also Birket-Smith, K., & F. De Laguna. Eyak Indians. 1938.

ABERCROMBIE, WILLIAM RALPH, 1857- . See also U. S. Adjutant-General's Office. Military Information Division. Reports explorations in Alaska, 1898. 1899.

ABERCROMBIE, WILLIAM RALPH, 1857- . See also U. S. Copper River Exploring Expedition. Alaska 1899 (reports on exped.) 1900.

23. ABISKO. NATURVETENSKAPLIGA STATION. Observations météorologiques à Abisko, 68°20'5"N. 18°49'3"E., en 1913 [-1929]. Uppsala, Almqvist & Wiksell, 1920-30. Edited by Bruno Rolf, F. Lindholm, Bror Hedemo.

Results of hourly observations or registrations of standard meteorological elements (pressure, temperature, humidity, wind direction and force, and sunshine), of bi-hourly observations of cloud forms and movement, and of forms of precipitation and state of weather; of frequent-daily, or daily observations or measurements of the various phenomena; fog conditions (including mountain area), thunder, optical phenomena, aurora, ice over (lake) Torneträsk, snow survey measurements (at five points during season), Jan. 1, 1913-Dec. 31, 1929; daily snow conditions in mountains 1914-29; weekly temperature of water (1 meter depth) in lake, 1920-29; daily ground temperatures, Aug. 1, 1925-Apr. 30, 1926 and Nov. 1-Dec. 31, 1926, and once every five days in 1927-29 (measurements made at 50 cm. intervals from 50-200 cm.) at Abisko, Sweden.

File seen: DLC.

ABISKO. NATURVETENSKAPLIGA STATION. See also Sweden. Statens meteorologiska centralanstalt. Meteorologiska iakttagelser i Vassijaure. 1907-31.

24. ABOLIN, ROBERT IVANOVICH. Geobotanicheskoe i pochvennoe opisaniye Leno-Vil'juiskoi ravliny. Leningrad, 1929. x, 372 p., illus., maps (1 fold.), diagrs. (1 fold.) (Akademiya nauk SSSR. Komissiya po izucheniyu faunyskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Trudy, T.10) *Title tr.:* A description of the vegetation and soils of the Lena-Vilyuy plain.

A study based on previously unpublished material, resulting from several expeditions, 1912-14, including the author's own work as geobotanist and soil specialist, revised by him in the light of subsequent published works. Contains chapters (in brief) on relief, geological structure, climate, the inhabitants, vegetation and soils; and (in considerable detail) on the valley of the Lena in the neighborhood of Yakutsk, the left bank, the eastern and western parts of the Lena-Vilyuy plain; also observations on the ecology of certain trees and shrubs. Bibliography p. 332-34. Summary in English.

Copy seen: DLC.

25. ABRAMOV, NIKOLAI ALEKSEEVICH, 1812-1870. O klimatye goroda Berezova. (Vsesoyuznoe geograficheskoe)

koe obshchestvo. *Vĕstnik*, 1854. Chast' 12, otd. 2, p. 69-88, tables incl. 1 fold.) *Title tr.*: On the climate of the town of Berezovo.

Discussion including monthly temperature averages and monthly highest and lowest readings for 1842-49, dates of formation and breaking up of ice on Sos'va River (1842-49), barometric readings (July 1848-1849), information on permafrost, winds, thunderstorms, fogs, animal life and plants in the region. The monthly temperature averages were corrected in K. S. Veselovskii's *O srednikh temperaturakh Berezova*, 1854, q. v. *Copy seen*: DLC.

26. ABRAMOV, NIKOLAI ALEKSEEVICH, 1812-1870. *Opisanie Berezovskago Kraja*. (Vsesoĭuznoe geograficheskoe obshchestvo. *Zapiski*, 1857. Kn. 12, p. 327-448). *Title tr.*: Description of the Berezovo region.

The author, a government administrator in Siberia, deals with Ostyaks, Samoyeds, the town of Berezovo (63°-55'N. 65°05'E.), vital statistics, administrative subdivisions, agriculture, hunting and fishing, prospecting, commerce, government grain distribution, communications, and taxation in the former Berezovskiy Okrug, an area roughly equivalent to the northern half of Omskaya Oblast'. *Appendix*: geographic description of the region, and a list of about sixty-five local Russian words and phrases. *Copy seen*: DLC.

27. ABRAMOV, NIKOLAI ALEKSEEVICH, 1812-1870. *Svĕdĕniia o Chukotskoĭ zemli v XVIII stoliĕtii*. (Vsesoĭuznoe geograficheskoe obshchestvo. *Vĕstnik*, 1853. Chast' 9, otd. 8, p. 12-14). *Title tr.*: Information on the land of the Chukchis in the 18th century.

Contains Okhotsk commander's report of tribute payment by some Chukchis in 1766, news gathered among them concerning islands off Kolyma River and Chukotskiy "Nose," and his recommendation to annex lands in America. *Copy seen*: DLC.

ABRAMOVA, N. V. See Pushkov, N. V., & others. *Sopostavlenie magnitoi aktivnosti*. 1937.

28. ABRARD, RENÉ, and EDGAR AUBERT de la RŪE. Sur la présence du Quaternaire marin fossilifère le long de la côte occidentale du Labrador.

(Académie des Sciences, Paris. *Comptes rendus*, déc. 5, 1949. T. 229, p. 1249-51) *Title tr.*: On the presence of marine Quaternary deposits along the west coast of Labrador.

Based on observations of Aubert de la RŪe during the Rousseau Expedition, 1948, along the east coast of Hudson Bay between 59°-60°N. Brief discussion, and lists of fossil molluscs found at the mouth of the Kogaluk River and for a short distance upstream, and on the shore of Povungnituk Bay, with remarks on shore lines in the area relative to the ice age. *Copy seen*: DGS.

29. ABRIKOSOV, G. G. Die Bryozoen. II. Teil. Die Süßwasserbryozoen der arktischen Gebiete. (*In*: Fauna arctica, 1933. Bd. 6, p. 383-88) *Title tr.*: Bryozoans. Pt. 2. The fresh-water bryozoans of the arctic region.

List, with synonymy and distribution, of five species from circumpolar lands; a key, some remarks on distribution, and a bibliography (23 items).

Copy seen: DA.

30. ABRIKOSOV, G. G. Klass Bryozoa — Mshanki. (*In*: Gaevskaia-Sokolova, N. S., and others. *Opredeletel' fauny i flory*, 1948. p. 451-61, illus., plates 116-18) *Title tr.*: Class Bryozoa.

Contains data on morphology, biology and geographic distribution of bryozoans of the arctic seas of the U.S.S.R.; with keys for determination of subclasses, genera and some typical species, based mainly on the study of whole colonies of these sessile marine animals.

Copy seen: DLC; MH-Z.

31. ABS, OTTO AUGUST HANS, 1891-. Über Epidemien von unspezifischen Katarrhen der Luftwege auf Svalbard. Oslo, J. Dybwad, 1930. 27 p. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 32) *Title tr.*: On epidemics of respiratory catarrh in Svalbard. *Copy seen*: DLC.

32. ABS, OTTO AUGUST HANS, 1891-. Untersuchungen über die Ernährung der Bewohner von Barentsburg, Svalbard. Oslo, J. Dybwad, 1929. 64 p. illus., fold. table. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 25) *Title tr.*: Research on the diet of the inhabitants of Barentsburg, Svalbard.

The study includes an analysis of the foodstuffs, and the dietary diseases

of the miners at Green Harbour.

Copy seen: DGS.

33. ACKERKNECHT, ERWIN HENRY, 1906-. The Eskimo. (Ciba symposia, July-Aug. 1948. v. 10, no. 1, p. 894-921, illus., sketch map)

Succinct description of (1) Eskimos' food, shelter, clothing, hunting and travel; (2) their social and religious life; (3) history; and (4) medicine and disease; with a bibliography (30 items).

Copy seen: DSG.

34. ACKERMAN, ALBERT A. Arctic ice and its navigation. (Popular science monthly, Sept. 1889. v. 35, p. 677-85)

Description of kinds of ice encountered in Baffin Bay and Smith Sound, and in the arctic waters north of Bering Strait, with some remarks on ships and their manner of penetrating the ice.

Copy seen: DLC; NNSStef.

35. ACOCK, A. M. Vegetation of a calcareous inner fjord region in Spitsbergen. (Journal of ecology, 1940. v. 28, p. 81-106, 2 plates, 2 sketch maps, diagr.)

Observations on a strip of country about and immediately behind Bruce City on Klaas Billen Bay: description, including lists of lichens, mosses and liverworts, and flowering plants, of the shingle silt and bog communities and their habitat relations, with detailed soil data. Plates show shingle, fissure and mud polygons, and stone stripes.

Copy seen: DSI-M.

36. ACTA ARCTICA; editit Societas Arctica Scandinavica. Fasc. 1-3. København, Ejnar Munksgaard, 1943-49. 3 nos. Edited by Magnus Degerbøl, and "published at indefinite periods, and appears in English, French or German," this journal has as its scope scientific papers of general arctic interest in the fields of humanistic and natural sciences. Societas Arctica Scandinavica was founded by a group of scientists of the Scandinavian countries, but due to war conditions, the Danish group represented the society's activities.

Contents: 1. HOLTVED, E. The Eskimo legend of Navaranâq. 2. GJESSING, G. Circumpolar stone age. 3. PATERSON, T. T. Eskimo string figures and their origin. Each number appears in this Bibliography under its author's name. *File seen:* CaMAI.

- ACTA LAPONICA 1. See Manker, E. M. Lappische Zaubertrommel. 1938.
ACTA LAPONICA 2. See Skum, N. N. Same Sita — lappbyn. 1938.

- ACTA LAPONICA 3. See Tirén, K. Die Lappische Volksmusik. 1942.

- ACTA LAPONICA 4. See Manker, E. M. Lapsk kultur. 1944.

- ACTA LAPONICA 5. See Nickul, K. Skoltlapp community Svenjelsjïd 1938. 1948.

37. ADAM, LUCIEN 1833-. En quoi la langue esquimaude diffère-t-elle grammaticalement des autres langues de l'Amérique du Nord? (International Congress of Americanists. 5th, Copenhagen, 1883. Compte-rendu, pub. Copenhagen, 1884. p. 337-55). *Title tr.:* In what respect does the Eskimo language differ grammatically from the other languages of North America?

Presents detailed grammatical comparisons between Eskimo and northern Indian languages, indicating the lack of a common origin. Presents less detailed evidence indicating lack of common origin also between Eskimo and Ural-Altaic languages. *Copy seen:* DLC.

38. ADAM, LUCIEN, 1833-. Esquisse d'une grammaire comparée de la langue des Chipewyans et de la langue des Crees. (International Congress of Americanists. 1st, Nancy, 1875. Compte-rendu, pub. Nancy, 1875. v. 2, p. 89-148) *Title tr.:* Sketch of a comparative grammar of the language of the Chipewyans and that of the Crees.

Describes the grammar of the Chipewyans and Crees, including phonology as well as inflection and syntax.

Copy seen: DLC.

- ADAM, QUIREN FRANÇOIS LUCIEN. See Adam, Lucien, 1833-.

39. ADAMS, A. LEITH. On a fossil saurian vertebra, (*Arctosaurus osborni*), from the arctic regions. (Royal Irish Academy. Proceedings, July 1875. Ser. 2, v. 2, p. 177-79, illus.)

Description of fossil reptilian bones collected on Bathurst Island, in the middle 19th century, by Capt. Sherard Osborn. *Copy seen:* DLC.

40. ADAMS, CYRUS CORNELIUS, 1849-1928. Lieutenant Peary's arctic work. (Geographical journal, Oct. 1893. v. 2, p. 303-316, sketch map, fold. map).

Based on the series of notebooks kept by Peary, July 1891 to Aug. 1892. An account of Peary's first major expedition, based at McCormick Bay; the sledge journey across the inland ice of North Greenland to Independence Bay and return, the construction of the house at the base, clothing, sledging and the ethnological work of the party.

Copy seen: DLC.

41. ADAMS, EDWARD, 1824-1856. Notes on the birds of Michalaski, Norton Sound. (Ibis, Oct. 1878. Ser. 4, v. 2, p. 420-42).

Result of observations made by the author, assistant surgeon on the *Enterprise*, during an assignment ashore, 1850-51; an annotated list of forty-nine species of birds, including their Eskimo names. *Copy seen:* DSI-M.

42. ADAMS, FRANK DAWSON, 1859-1942. Les gisements métallifères de la région nord du Canada dont l'exploitation reste à faire. (Société Géologique de Belgique. 50me anniversaire livre jubilaire, 1874-1924, pub. 1925? T. 1, fasc. 2, p. 379-84) *Title tr.*: The unexploited metalliferous deposits of northern Canada.

General remarks on the Canadian Shield and its possible mineral resources.

Copy seen: DGS.

43. ADAMS, FRANK DAWSON, 1859-1942. On some granites from British Columbia and adjacent parts of Alaska and the Yukon district. (Canadian record of science, July 1891. v. 4, p. 344-58)

Report on a detailed study of a granite from Wrangell Island, and one from the Pelly River region of Yukon Territory. *Copy seen:* DGS.

44. ADAMS, FRANK DAWSON, 1859-1942. On the microscopical character of the ore of the Treadwell mine, Alaska. (American geologist, Aug. 1889. v. 4, p. 88-93, illus.)

Petrographic study of ores from Douglas Island. *Copy seen:* DGS.

ADAMS, FRANK DAWSON, 1859-1942. See also Dawson, G. M. Report on exploration in Yukon district, 1887. 1888.

45. ADAMS, JOHN QUINCY, 1900-. Alaska *dalli* rams. (Alaska sportsman, June 1936. v. 2, no. 6, p. 11-12, 18, illus.)

Informative account of hunting the mountain sheep *Ovis dalli* in the Matanuska and Knik watersheds, south central Alaska.

Copy seen: DLC.

46. ADAMS, JOHN QUINCY, 1900-. Contrasting type of settlement on the James Bay plain. (Scottish geographical magazine, July 1939. v. 55, p. 212-17, 3 plates)

Contains an outline (in brief) of the origin, functions, resultant landscape forms, and probable future of Moosonee and Moose Factory, two settlements at the mouth of the Moose River, James Bay.

Copy seen: DLC.

47. ADAMS, JOHN QUINCY, 1900-. Settlements of the northeastern Canadian Arctic. (Geographical review, Jan. 1941. v. 31, p. 112-26, sketch map)

Notes on establishing sovereignty over the Canadian Arctic Islands; descriptions of the founding, use and activities of Craig Harbour on Ellesmere Island, Arctic Bay on northern, and Fangnirtung on southern Baffin Island; remarks on acculturation of the Eskimos.

Copy seen: DLC.

48. ADAMS, JOHN QUINCY, 1900-. This is Matanuska! (Alaska sportsman, Apr.-May, 1938. v. 4, no. 4, p. 16-18, 24; no. 5, p. 14-15, 20-21, 25-26, illus.)

The author, resident of the Matanuska valley for seven years, discusses its physical features, climate, soil, crops, serious problems of transportation and land clearance, the history of the valley's colonization beginning in 1935, and its administration.

Copy seen: DLC.

49. ADAMSON, J. D., 1890-, and others. Poliomyelitis in the Arctic. (Canadian Medical Association. Journal, Oct. 1949. v. 61, p. 339-48, illus., sketch map). *Other authors:* J. P. Moody, A. F. W. Peart, R. A. Smillie, J. C. Wilt, and W. J. Wood.

Study conducted under direction of Canada's Dept. of National Health and Welfare, Indian Health Services, on the northwest coast of Hudson Bay, Mar. and May 1949. Notes on the Eskimos' distribution, habits and hygiene, and report on the epidemiology, age and sex incidence, clinical and anthropomorphic features, autopsy findings and virus studies of the outbreak of poliomyelitis among the natives between 60°-65°N. 90°-100°W.

Copy seen: DSG.

ADELAER, HENRICH. See Finnmark omkring 1700. 1932-45.

50. ADKINS, JOHN N. The Alaskan earthquake of July 22, 1937. (Seismological Society of America. Bulletin, Oct. 1940. v. 30, p. 353-76, map, tables, diagr.)

Technical discussion based on examinations of original seismograms, and records from observations throughout the world. **Copy seen:** DGS.

51. ADLER, BRUNO WILHELM KARL ADOLPH, 1874- . Luki i striely severnoi Azii. (Russkii antropologicheskii zhurnal, 1903. T. 4, no. 3-4, (kn. 7-8), p. 178-94) **Title tr.:** Bows and arrows of northern Asia.

Contains: a condensation by the author of his two works published in German, a comparative study of the types of bows and arrows used among the peoples of northern Asia (Chukchis, Aleuts, Yakuts, Ostyaks, Koryaks, Eskimos, Tungus, Voguls, and others). **Copy seen:** NN.

52. ADLER, BRUNO WILHELM KARL ADOLPH, 1874- . Der nordasiatische Pfeil; ein Beitrag zur Kenntnis der Antropogeographie des asiatischen Nordens. Leiden, E. J. Brill, 1901. 2 p. l., 40 p. 8 plates, map. Ph.D. dissertation, Leipzig; also issued as supplement with Internationales Archiv für Ethnographie, 1901, v. 14. **Title tr.:** The northern Asiatic arrow.

Based on Russian and German museum collections and on the published literature. Introductory remarks on bows and arrows of the Americas, Africa, etc., and discussion of the northern Asiatic arrow, its general character, materials, size and weight, the notch, point, ornamentation, poison, etc.; regional types. Bibliography (70 items). **Plates** show about 200 examples of arrows identified with Chukchis, Aleuts, Eskimos, Indians, Yakuts, Koryaks, Ostyaks, Samoyeds, Voguls, and others. **Copy seen:** DLC.

53. ADLER, G. D., and G. F. UL'. Ostrova "Izvestii TSIK." (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 41, p. 73-80) **Title tr.:** Izvestiy TSIK [Central Executive Committee Reports] Islands.

Geomorphological description of these islands (in Kara Sea about 75°-55°N. 82°30'E.) based on observations

made at the time of their discovery on Aug. 14-15, 1933. Summary in English.

Copy seen: DLC.

54. ADLERBERG, G. P. Khishchnye zveri (Carnivora Fissipedia) Arktiki. (In: Smirnov, Nestor A. Zveri Arktiki, 1935, p. 267-452, illus.) **Title tr.:** Arctic animals of prey (Carnivora Fissipedia).

A systematic morphological study of sixteen species of terrestrial fissipeds (dogs, cats, bears, etc.) in the Eurasian arctic region and the adjacent forest belt north of 60°N. lat., with keys to families, genera, and species, p. 270-74. Descriptions of the species including polar bears (p. 279-316) and arctic foxes (p. 423-39), with synonymy, geographical distribution, habitat, migrations, annual cycle of life, food, propagation. Bibliography (30 items). **Copy seen:** DLC.

55. ADNEY, TAPPAN, 1868- . The Klondike stamped. New York & London, Harper & Bros., 1900. xii p., 1 l., 470 p., 1 l. incl. illus., plates. front., fold. plates, maps (1 double).

Journalist's account of the gold rush to the Yukon in 1897-98, with informative chapters on trails, dogs and dog driving, mining methods, and social conditions in Dawson.

Copy seen: DLC; NNS Stef.

*Ärnabäck-Christie-Linde, A., see No. 685-87.

AFANAS'EV, A. D. See Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Aerodromno-dorozhnaiia komissiiia. Fiziko-mekhanicheskie svoistva snega. 1945.

56. AFANAS'EV, M. S. Iuksporskoe mestorozhdenie lovchorrita. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR., 1937. Severnaiia ekskursiia. Chast' 2, p. 119-24, illus. **Title tr.:** Yukspor lovchorrite deposit.

Brief geological sketch of the area (in Kola Peninsula about 67°41'N. 33°49'E.) around the deposit, and chemical analysis of the mineral. Also published in English with title as above, q.v. **Copy seen:** DLC; NN.

56A. AFANAS'EV, M. S. The Yukspor lovchorrite deposit. (In: Polkanov, A. A., editor. The northern excursion; Kola Peninsula, 1937. p. 115-19. **Pub. as:** International Geological Congress. 17th, Moscow and Leningrad. [Guidebooks for the excursions, 2])

Translation of his *Russporskoe mestorozhdenie lovchorrita*, 1937, q.v.

Copy seen: DLC.

AFANAS'EV, M. S. See also Chirvinskii, P. N., & others. Massiv ul'traosnovnykh porod. 1940.

57. AFANAS'EV, M. S., and E. A. SAL'E. Mestorozhdeniia lovchorrita v Khibinakh. (In: Khibinskii apatity, 1931-1934. T. 5, p. 69-80, illus., maps, table). **Title tr.:** Lovchorrite deposits in Khibina.

Brief historical account of finding this new mineral, 1926-32, with table showing its chemical analysis, p. 70. Description of the most important lovchorrite deposit on the Yukspor plateau, also lesser deposits. Geological maps show localities of lovchorrite occurrence in the Yukspor and Vud'yavzhorr region. **Copy seen:** DLC.

58. AFANAS'EV, V. A. Shchelochnye porody Khabozerskogo raiona. (In: Akademiia nauk SSSR. Kol'skaia baza. Proizvoditel'nye sily Kol'skogo poluostrova. I, 1940. p. 129-35, illus., table). **Title tr.:** Varieties of basic rock in Khabozero region.

Contains description of basic rocks discovered by author in 1935 near the railroad station at Khabozero (about 67°28'N. 33°E.) in the western part of Kola Peninsula; list of minerals which these rocks contain and their chemical analysis. Bibliography (4 items).

Copy seen: DGS.

59. AFANAS'EV, V. A., and V. I. KOTEL'NIKOV. Pirrotinovyie mestorozheniia v jugozapadnoi Chasti Khibinskikh tundr. (In: Akademiia nauk SSSR. Kol'skaia baza. Proizvoditel'nye sily Kol'skogo poluostrova. I, 1940. p. 57-66). **Title tr.:** Pyrrhotine deposits in southwestern part of the Khibiny Tundra.

Results of investigations of the "Apatit" State Trust in 1933-39. General geological characterization of the southwestern part of Khibiny Tundra and its mineral resources; detailed information on four deposits of pyrite and pyrrhotine (all near Kirovsk, Apatit and Titan).

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AFFRY de LA MONNOYE. See DAF-FRY de LA MONNOYE, LÉON, b. 1823.

60. AGAFONOV, G. Otnositel'nye opredeleniia sily tiazhesti po rekam Irty-

shu i Obi i na poberezh'i Karskogo moria po nabludeniiam prof. A. N. Nefed'eva v 1923 g. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1936, no. 3, p. 55-73, illus., tables). **Title tr.:** A relative determination of gravity along the banks of the Rivers Irtysh and Ob' and on the shores of Kara Sea, as observed by Professor A. N. Nefedjev in 1923.

Discussion of methods used and results obtained in gravity determination by the late Prof. Nefed'ev, at Salekhard (66°22'N. 66°38'E.) near the mouth of Ob' River, and at Mare Sale (69°43'N. 66°48'E.) on the coast, also at some more southerly points.

Copy seen: DLC.

61. AGAFONOVA, E. N. Ocherk pochv nizhnego techeniia Nizhnei Tunguski. (Predvaritel'nyi otchet). (Akademiia nauk SSSR. Poliarnaia komissia. Trudy, 1934. Vyp. 15, p. 57-63). **Title tr.:** An account of the soils along the lower Nizhnyaya Tunguska. (Preliminary report).

Based on the observations of the Nizhnyaya Tunguska Expedition of the Academy of Sciences U.S.S.R., 1932.

Copy seen: DLC.

62. AGAPOV, I. D. Biologiia treski (*Gadus morhua* L.) zapadnogo poberezh'ia Novoi Zemli. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 100, p. 25-45, plate, tables, diagrs.) **Title tr.:** Biology of codfish (*Gadus morhua* L.) of the western coast of Novaya Zemlya.

Study of size, sex and biological development of codfish caught in the period, July-Sept., 1936, during the Novaya Zemlya Expedition of the Arctic Institute of U.S.S.R.

Copy seen: DLC.

63. AGAPOV, I. D., and G. N. TOPOR-KOV. Nekotorye dannye o rybakh zapadnogo poberezh'ia Novoi Zemli. (Problemy Arktiki, 1937, no. 2, p. 103-109, illus.) **Title tr.:** Some data concerning the fishes of Novaya Zemlya.

Summary in English.

Copy seen: DLC.

64. AGAR, WILLIAM MACDONOUGH, 1894-. The east coast of Labrador. (Canadian mining journal, Oct. 1922. v. 43, p. 709-712).

General description of coastal geology and landscape, based on the au-

thor's observations made during a yacht trip to Saglek Bay, 1922.

Copy seen: DGS.

65. AGARDH, JACOB GEORG, 1813-1901. Alger, insamlade på Grönland 1870 af dr. Sv. Berggren och P. Öberg. (In: Nordenskiöld, N. A. E. Redogörelse för en expedition till Grönland år 1870. Bilaga 2. Pub. in: Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1870. Årg. 27, no. 10, p. 1080-1081). *Title tr.*: Algae, collected in Greenland 1870 by Dr. Sv. Berggren and P. Öberg.

List, with locations, of forty species collected.

Copy seen: DLC.

66. AGARDH, JACOB GEORG, 1813-1901. Bidrag till kännedomen om Spetsbergens alger. Stockholm, P. A. Norstedt, 1868. p. 1-12, 27-49, 3 col. plates. (Svenska vetenskapsakademien. Handlingar. [Ny följd] bd. 7, no. 8) *Title tr.*: Contribution to the knowledge of the algae of Spitsbergen.

List, with descriptions and locations of forty-one species collected during the Swedish Expeditions to Spitsbergen, 1861 and 1868.

Copy seen: DLC.

67. AGARDH, JACOB GEORG, 1813-1901. Om den spetsbergiska drif-vedens ursprung. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1869, pub. 1870. Årg. 26, p. 97-119) *Title tr.*: On the origin of the Spitsbergen driftwood.

Comparison of driftwood found on West Spitsbergen with wood grown in Sweden, North America and Siberia.

Copy seen: DLC.

68. AGASSIZ, ALEXANDER, 1835-1910, and H. L. CLARK. Preliminary report on the Echini collected in 1906, from May to December, among the Aleutian Islands, in Bering Sea, and along the coasts of Kamchatka . . . by the U. S. Fish Commission steamer *Albatross* in charge of Lieut. Commander L. M. Garrett. (Harvard University. Museum of Comparative Zoology. Bulletin, 1907. v. 51, p. 107-139)

Annotated list of seventy-one species of sea urchins, eleven of which were dredged in Aleutian waters, or Bering Sea, the remainder being from Japanese waters.

Copy seen: DSI-M.

69. AGEBERG, LARS S. *Ophioglossum vulgatum* i Lule skärgård. (Botaniska

notiser, 1934, häfte 4, p. 343) *Title tr.*: *Ophioglossum vulgatum* on the islets off Lule.

Contains a brief note on this fern found by the author in 1934 on small rocky islets off Lule, Norrbotten, Sweden.

Copy seen: MH-A.

70. AGENOROV, V. K. O dinamike vod Barentsova moria. Moskva, Gidrometeoizdat, 1946. 130 [2] p., incl. tables, 20 p. of charts and 8 fold. plates (charts, diagrs.) *Title tr.*: Hydrodynamics of Barents Sea. Based mainly on unpublished results of numerous pre-war investigations of Barents Sea.

Contains data on surface wind currents in the open sea, with methods of computation and schemes of resultant currents, p. 17-28; constant residual currents and water masses, p. 29-54; tidal currents and peculiarities of the propagation of the tidal wave, p. 55-82.

Charts of surface and 25-, 50-, and 100-meter currents; vertical circulation; tidal phases and harmonic constants, for four sections across Barents Sea, and in general.

Tables: 1. Monthly resultant geostrophic winds. 2. Resultant monthly drift currents. 3. Constant (residual) currents at 25, 50, and 100 meters and of the bottom layer during summer. 4. Ships' data on currents, including state-of-sea observations. Bibliography (42 items).

Copy seen: DLC.

AHLBURG, JOHANNES, 1883-1919. See Mielck, W. W. O. Einleitung, Reisebericht, [etc.] *Poseidon* 1913. 1919.

71. AHLENIUS, KARL JAKOB MAURITZ, 1866-1906. Olaus Magnus och hans framställning af Nordens geografi; studier i geografis historia. Upsala, Almqvist & Wiksell, 1895. x, 433, [1] p. 1 illus., 2 maps. *Title tr.*: Olaus Magnus and his depiction of the geography of the North. Studies in the history of geography.

Academic thesis—Upsala. A study of the works of the Archbishop of Upsala, 1490-1558.

Copy seen: DLC.

72. AHLENIUS, KARL JAKOB MAURITZ, 1866-1906. Till kännedomen om Skandinavien geografi och kartografi under 1500-talets senare hälft. Upsala, Almqvist och Wiksell, 1900. 141, x p. maps, tables. (Humanistiska vetenskaps-samfundet i Upsala. Skrifter, 6, 5) *Title tr.*: On the

knowledge of geography and cartography of Scandinavia during the latter part of the 16th century.

A continuation of the author's studies of Olaus Magnus' geography of the North; notes references to Sweden, Norway, Finland, Lapland, Finnmark, Greenland and Thule on the maps of the 16th century, and the distortion of Scandinavian geographical names. Gives critical comparison of the work of old map-makers and comment on new Scandinavian cartography.

Summary in German.

Copy seen: NNC.

73. AHLMAN, AXEL. Grønland, hemma och i Haag. En historisk, politisk och social studie. Lund, C. W. K. Gleerup, 1935. 62 p. *Title tr.:* Greenland, at home and at the Hague. An historical, political and social study.

Contains a collection of revised newspaper articles and statements by the author on the East Greenland sovereignty question. *Copy seen:* NNSTef.

74. AHLMAN, AXEL. Kampen om nord- og sydpolen. Beretninger om ekspeditionerne mod nord og syd. Malmø, København, Berlin, Baltisk forlag, 1928. 283 p. plates, maps, double map. *Title tr.:* The struggle for the North and South Poles. Accounts of expeditions toward the North and the South.

Notes early attempts to reach the Poles; voyages to the North, including the Norsemen's discovery and settlement of Greenland; medieval expeditions; rediscovery of Greenland, and its new history; the expeditions of Franklin and others; the discovery of the Northwest Passage; the investigations of the polar sea and search for the North Pole over northeast Greenland and through Smith Sound; whaling, its commercial importance, advantages and disadvantages; the search for and discovery of the Northeast Passage; through the air toward the North Pole; the early exploration of the Antarctic, and the reaching of the South Pole, etc. Includes preface by Peter Freuchen, who translated the book into Danish from the Swedish. *Copy seen:* NN.

75. AHLMANN, HANS WILHELMS-SON, 1889-. Ablation measurements at the headquarters on Isachsen's Plateau. Scientific results of the Norwegian-Swedish Spitsbergen Expedition

in 1934. Pt. 2 (Geografiska annaler, 1935. Årg. 17, p. 43-52, illus.)

Measurements of melting and evaporation of snow or ice surface as recorded by a Devik-type ablatograph.

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76. AHLMANN, HANS WILHELMS-SON, 1889-. Andrée-fyndet 1930. (Polar-årbooken, 1940. p. 11-17, illus.) *Title tr.:* The Andrée find 1930.

Remarks on discovery of remains of the Andrée balloon expedition, on White Island (Kvitøya, 80°N. 32°30'E.) in 1930.

Copy seen: NNM.

77. AHLMANN, HANS WILHELMS-SON, 1889-. Den återfunna Andrée-bojen nr. 2. (Ymer, 1937. Årg. 57, p. 328-30) *Title tr.:* The recovery of Andrée buoy no. 2.

Note on the find by a Norwegian ship in Hinlopen Strait on July 28, 1937, of buoy no. 2 launched from Andrée's balloon in July 1897; discussion of the message it contained and theories about its drift.

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78. AHLMANN, HANS WILHELMS-SON, 1889-. The cartography of the coast-districts of North-East Land and its environments. Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 1. (Geografiska annaler, 1933. Årg. 15, p. 9-24, illus. (maps) col., fold. map)

Brief account of expeditions since 1607 and of the resultant maps, with a bibliography, p. 23. *Copy seen:* DLC.

79. AHLMANN, HANS WILHELMS-SON, 1889-. Contribution to the physics of glaciers. (Geographical journal, Aug. 1935. v. 86, p. 97-113, 2 plates, fold. diagr.)

Paper read before the Royal Geographical Society, Apr. 1935, on ablation, firn formation and meteorological problems relating thereto; based on the author's and H. U. Sverdrup's work on the Fourteenth of July Glacier, North-east Land, during the Swedish-Norwegian Arctic Expedition, 1931. Includes discussion by members of the Royal Geographical Society, p. 107-113.

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80. AHLMANN, HANS WILHELMS-SON, 1889-. Determination of the ablation of snow and ice. (In: Hyllningsskrift tillägnad Sven Hedin, Stockholm, 1935. p. 470-80, illus., diagrs.)

The determination of amount of snow or ice melt or evaporation during recent glaciological investigations in Scandinavia and West Spitsbergen was made by the ablatograph, an instrument which records the amount of sinking of a resting float (immediately below the recording mechanism) into the ice or snow surface. Methods to obtain best results with this instrument are given in detail.

Summary in Swedish.

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81. AHLMANN, HANS WILHELMS-SON, 1889- . The firn structure on Isachsen's Plateau. Scientific results of the Norwegian-Swedish Spitsbergen Expedition, 1934. Pt. 7. (*Geografiska annaler*, 1936. Årg. 18, p. 48-73, tables, diagrs.)

Results of the author's investigations on Isachsen's Plateau and his discussion of others' earlier work on firn and its change into glacier ice. Bibliography, p. 73.

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82. AHLMANN, HANS WILHELMS-SON, 1889- . The Fourteenth of July Glacier. Scientific results of the Norwegian-Swedish Spitsbergen Expedition, 1934. Pt. 5. (*Geografiska annaler*, 1935. Årg. 17, p. 167-218, illus., 2 fold. plates, fold. map)

Contents: 1. General characteristics. 2. Ablation in the summer of 1934. 3. Accumulation of snow in the winter 1933-34. 4. Drainage. 5. Economy of the 14th of July Glacier in the year 1933-34. 6. Changes before 1934. 7. Movements. 8. Connection between the economy and morphology of glaciers. 9. Economy of the 14th of July Glacier compared to that of other glaciers. Bibliography, p. 218.

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83. AHLMANN, HANS WILHELMS-SON, 1889- . Geomorphological studies in Norway. Part II. The Nordland. (*Geografiska annaler*, 1919. Årg. 1, p. 193-252, illus., sketch maps, fold. plate (diagrs.))

Discussions based on the author's observations, of (1) the principal morphological features of the Norwegian coastal zone, 65°-70°N., (the fiord belt, the outer coastal zone margin and the Continental Shelf; (2) the region under the last ice cover, including discussions of nunataks, cirques, preglacial topography and marine abrasion;

(3) principal morphological features of glacial erosion in Norway; bibliography (138 items). *Copy seen:* DLC.

84. AHLMANN, HANS WILHELMS-SON, 1889- . Geomorphology. Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 5. (*Geografiska annaler*, 1933. Årg. 15, p. 89-116, illus., 2 plates)

Contents: A. Morphology of the Continental Shelf, p. 89-97. B. Morphology of the solid rock of North-East Land and adjacent islands, p. 97-115. Bibliography (34 items).

Maps (plates 3-4) by H. W. Ahlmann and N. Friberg, scale 1:4,000,000 on 75°N. lat., are: Bathymetric chart; and Soundings, of Barents Sea and adjacent parts of the Norwegian Sea and the Arctic Ocean. *Copy seen:* DLC.

85. AHLMANN, HANS WILHELMS-SON, 1889- . Glaciological methods. (Polar record, Jan. 1946. v. 4, p. 315-19)

Notes on methods of study of accumulation, ablation and glacier régime, and on the need for research in areas of different climates.

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86. AHLMANN, HANS WILHELMS-SON, 1889- . Glaciological research on the North Atlantic coasts. London, 1948. p. 1, 83 p. illus., tables, 10 sketch maps, fold. diagr. (Royal Geographical Society. Research ser. No. 1)

"A critical and uniform summary of . . . the most important results of . . . twenty-two years' labours" including research on Northeast Land during the Swedish-Norwegian Arctic Expedition, 1931, work of the Norwegian-Swedish Spitsbergen Expedition, 1934, and the Northeast Greenland Expedition, 1939-40, to Clavering Island, as well as studies in Iceland, Norway and Sweden.

Contains notes on the districts examined, including Fourteenth of July Glacier (West Spitsbergen) Fröya Glacier (Clavering Island, East Greenland); discussion of accumulation, ablation, firn and glaciation limits, glacial régime, rate of movement, classification of glaciers, variation of glacier margins and volumes, and causes of such variations; with an index.

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87. AHLMANN, HANS WILHELMS-SON, 1889- . Glaciology. Scientific re-

sults of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 8. (Geografiska annaler, 1933. Årg. 15, p. 161-216, 261-95, illus. incl. photos., tables, diagrs.)

Contents: A. Glacier morphology. B. The glaciation limit on North-East Land; snow and firn stratification of the glacier-caps; temperature in the profiles; the melting process during ablation. C. Geophysical classification of glaciers. D. Ablation and accumulation, including a paper, by Anders Ångström: *On the dependence of ablation on air temperature, radiation and wind.* E. General configuration of the North-East Land glacier-caps. Bibliographies, p. 214-16, 271, 294-95.

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88. AHLMANN, HANS WILHELMS-SON, 1889-. The inland cartography of North-East Land. Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 3. (Geografiska annaler, 1933. Årg. 15, p. 47-68, illus. incl. photos., maps, tables)

Narrative of the sledge journey of the Swedish-Norwegian glaciological party, with tables and discussion of their topographic observations; also summaries of the sledge journeys of the Oxford Expedition, 1924, and that of N. A. E. Nordenskiöld in 1873. Bibliography, p. 68.

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89. AHLMANN, HANS WILHELMS-SON, 1889-. Introductory address. (In: Rolfsen, G., and others. Climatic changes in the Arctic (etc.), 1949. *Pub. in: International Council for the Study of the Sea. Rapports et procès-verbaux.* v. 125, p. 9-16, 4 sketch maps, diagrs.)

Notes on recent literature on the subject of more recent climatic changes, and remarks on recession of glaciers in the northern hemisphere.

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90. AHLMANN, HANS WILHELMS-SON, 1889-. The morphology of the Arpojaure, a post-glacial lake in Torne Lappmark. (Geologiska föreningen. Förhandlingar, 1914, *pub.* 1915. Bd. 36, p. 496-521, illus., sketch map, diagrs.)

Results of investigations by the author and C. Carlzon in 1913, of Arpojaure, a lake in northern Sweden (68°51'N. 20°58'E.): (1) a summary of the Quaternary geology of the region; discussion of (2) the morphology of the basin, and (3) the development of the

lake and results of the draining carried out in 1905. *Copy seen:* DLC.

91. AHLMANN, HANS WILHELMS-SON, 1889-. Natur och människor inom isområdena kring nordligaste Atlanten; Vega-föredrag den 24 april 1941. (Ymer, 1941. Årg. 61, p. 174-89, illus. plates) *Title tr.:* Nature and people within the icy regions around the northernmost Atlantic Ocean; *Vega* address, April 24, 1941.

Contains accounts of the Swedish-Norwegian Arctic Expedition, 1931, to Northeast Land, the Norwegian-Swedish Spitsbergen Expedition, 1934, for purpose of making geophysical-glaciological investigations on West Spitsbergen, and the Swedish-Norwegian investigations of the Frøya Glacier on Clavering Island, East Greenland, 1939-40; also discussion of the glaciological results and of the Scandinavian inhabitants of arctic regions.

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92. AHLMANN, HANS WILHELMS-SON, 1889-. Den nutida klimafuktuationen och Grönland. (Grönlandske selskab. Aarskrift, 1948. p. 9-38, illus., map, diagrs., table) *Title tr.:* Recent climatic fluctuations and Greenland.

Notes changes with higher temperature in northernmost regions; effect on glaciers as observed by the author 1918-40; meteorological interpretation of changes; effect on vegetation, wildlife, etc.

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93. AHLMANN, HANS WILHELMS-SON, 1889-. Den nutidiga klimatfluktuationen och dess utforskande. (Norsk geografisk tidsskrift, 1947. Bd. 11, p. 290-326, illus., diagrs., sketch maps) *Title tr.:* Present-day climatic fluctuation and its investigation.

Discussion of climatic change, especially in arctic regions; evidence of the "warming" trend (retreat of glaciers, changes in distribution of arctic drift ice and climatological statistics); possible causes of the fluctuation; phenomena occurring in connection with it, such as northward migration of fishes and regeneration of forests; remarks on research projects.

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94. AHLMANN, HANS WILHELMS-SON, 1889-. Organisationen av Sovjetunionens arktiska forskning. (Polar-årbooken, 1945. p. 27-37, illus.) *Title*

tr.: The organization of the arctic investigations of the Soviet Union.

Notes the Soviet Union's declaration of sovereignty over all regions between $32^{\circ}4\frac{1}{2}'E.$ and $168^{\circ}49\frac{1}{2}'W.$ in 1926; the establishment of its Arctic Institute, 1920; describes briefly the leaders of the Institute, Russian arctic explorers of note, high standards of their investigations; notes that the work of the Institute is planned on a larger scope than that of any other nation; correlates observations of the Russians with those of the author and others; notes Russian achievements in glaciological, oceanographic, climatic, meteorological, etc., research; predicts increased activity in the Arctic by the Russians.

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95. AHLMANN, HANS WILHELMS-SON, 1889-. Polygonal markings. Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 12 [2]. (Geografiska annaler, 1936. Årg. 18, p. 7-19, illus. incl. diags., plate)

Observations on the external shape and vertical structure of the surface markings in West Spitsbergen, with a discussion of recent opinion on their causes. Bibliography, p. 19.

Copy seen: DLC.

95A. AHLMANN, HANS WILHELMS-SON, 1889-. The present climatic fluctuation. (Geographical journal, Oct.-Dec. 1948, *pub.* Apr. 1949. v. 112, p. 165-95, plate, 3 sketch maps, diagr.)

Comprehensive review of the literature on climatic fluctuation in the last century, followed by discussion from others.

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96. AHLMANN, HANS WILHELMS-SON, 1889-. Present glaciation round the Norwegian Sea. Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 10. (Geografiska annaler, 1933. Årg. 15, p. 316-48, illus. (maps, tables) fold. map)

Contents: A. Altitude of the firn line and glaciation limit. B. Accumulation and ablation at the firn line and glaciation limit. C. Summary. Bibliography, p. 346-48.

Copy seen: DLC.

97. AHLMANN, HANS WILHELMS-SON, 1889-. Le régime des glaciers; ses éléments, ses variations. (Revue de géographie alpine, 1941. T. 29, p. 537-56, table, diags.) *Title tr.*: The régime of glaciers; their elements and variations.

Remarks on the author's glaciological work; discussion of accumulation and ablation, or "régime" of seven glaciers, including two on West Spitsbergen, one on Northeast Land and one on northeast Greenland; also concluding remarks on climatic changes causing the recession of glaciers around the Norwegian (Greenland) Sea.

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98. AHLMANN, HANS WILHELMS-SON, 1889-. Researches on snow and ice, 1918-40. (Geographical journal. Jan.-June, 1946. v. 107, p. 11-28, 2 plates, map, diags.)

Paper presented at a meeting of the Society summarizing the author's researches in Norway, Northeast Land, Iceland and East Greenland. Includes a report on his investigations of Frøya Glacier (on Clavering Island, East Greenland) 1939-40, and remarks upon glaciological evidence of climatic change in arctic regions. Discussion, p. 25-28.

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99. AHLMANN, HANS WILHELMS-SON, 1889-. Den ryska isbrytaren "Sedovs" drift över Polhavet oktober 1937-januari 1940. (Ymer, 1941. Årg. 61, p. 66-68, map) *Title tr.*: The drift of the Russian ice-breaker *Sedov* across the north polar sea October 1937-January 1940.

Account of the voyage of the *Sedov*, in 1937 in Laptev Sea, till beset in ice off the New Siberian Islands, the drift westward in the ice for twenty-seven months, and its liberation in Jan. 1940 between West Spitsbergen and Greenland by the ice-breaker, *Josef Stalin*.

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100. AHLMANN, HANS WILHELMS-SON, 1889-. Severnaya Zemlja enligt Usjakovs expedition 1930-32 och "Graf Zeppelins" flygfaerd, 1931. (Ymer, 1933. Årg. 53, p. 379-92, illus., map) *Title tr.*: Severnaya Zemlya according to the Ushakov Expedition, 1930-32 and *Graf Zeppelin's* flight, 1931.

Account of the *Sedov* Expedition in 1930 to Franz Josef Land and Severnaya Zemlya, and of G. A. Ushakov's topographical and geological survey of Severnaya Zemlya, 1930-32; with discussion of the physical geography of these islands and brief report of the scientific results.

Also account of the "Aeroarctic" Expedition with the airship *Graf Zep*

pelin, 1931, and discussion of the contributions of this expedition to the topographical knowledge of Severnaya Zemlya.

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101. AHLMANN, HANS WILHELMS-SON, 1889- . Spetsbergens kolfält. (Ymer, 1941. Årg. 61, p. 231-33) *Title tr.:* The coal region of Spitsbergen.

Remarks on the landing of Allied forces in Ice Fiord, West Spitsbergen, Sept., 1941; and discussion of coal mining on West Spitsbergen, 1900-41, especially by Norwegian companies.

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102. AHLMANN, HANS WILHELMS-SON, 1889- . Stefánssons polarexpedition, 1913-1918. (Ymer, 1919. Årg. 13, p. 81-91, map) *Title tr.:* Stefánsson's Arctic Expedition, 1913-1918.

Account of the Canadian government expedition to Beaufort Sea and the western arctic islands, 1913-1918, under Vilhjalmur Stefánsson and R. M. Anderson.

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103. AHLMANN, HANS WILHELMS-SON, 1889- . The stratification of the snow and firn on Isachsen's Plateau. Scientific results of the Norwegian-Swedish Spitsbergen Expedition in 1934. Pt. 1. (Geografiska annaler, 1935. Årg. 17, p. 29-42, illus. incl. photos., tables, diags.)

Results of observations made at the main station on Isachsen's Plateau. Bibliography, p. 42.

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104. AHLMANN, HANS WILHELMS-SON, 1889- . Striderna på Spetsbergen under det andra världskriget. (Ymer, 1945. Årg. 65, p. 316-17) *Title tr.:* Combats on Spitsbergen during the Second World War.

Account of the destruction of coal mines on West Spitsbergen by the British Navy, 1941; skirmishes between Germans and Norwegians there and Norwegian reconstruction work.

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105. AHLMANN, HANS WILHELMS-SON, 1889- . Den svensk-norska expeditionen till Nordostlandet och farvattnen däromkring sommaren 1931. (Ymer, 1932. Årg. 52, p. 1-31, illus., charts, maps) *Title tr.:* The Swedish-Norwegian Expedition to Northeast Land and surrounding waters during the summer of 1931.

Account of this expedition led by the author to explore the geology and glaciology of Northeast Land and the waters north of West Spitsbergen. Describes the voyage in the *Quest* and the sledge journey across Northeast Land's icecap, and gives a summary of the scientific results.

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106. AHLMANN, HANS WILHELMS-SON, 1889- . Über das Entstehen von Toteis. (Geologiska föreningen, Stockholm. Föreläsningar, 1938. Bd. 60, p. 321-41) *Title tr.:* On the occurrence of dead ice.

Contains a discussion of the types and origin of dead ice (i.e. that part of the edge of a glacier, which has lost contact with its main mass of ice, from which it can no longer derive new ice), with reference to the phenomenon in Svalbard, Alaska and elsewhere.

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107. AHLMANN, HANS WILHELMS-SON, 1889- , and B. E. ERIKSSON. Studies in Northeast Greenland, 1939-1940, Pt. I-IV. (Geografiska annaler, 1941-42. Årg. 23, p. 145-209; Årg. 24, p. 1-49, illus. (incl. 4 sketch maps) 4 plates on 1 fold. sheet)

Account of a three-man expedition, under the author's leadership, to make an intensive glaciologic study of Clavering Island.

Contents: Pt. 1. Ahlmann, H. W. The main morphological features of North-East Greenland [72°-76°N.].

Pt. 2. Ahlmann, H. W. Glacial conditions in North-East Greenland in general, and on Clavering Island in particular.

Pt. 3. Ahlmann, H. W. Accumulation and ablation on the Frøya Glacier; its régime in 1938-39 and in 1939-40.

Pt. 4. Eriksson, B. E. Meteorological records and the ablation on the Frøya Glacier in relation to radiation and meteorological conditions. (Mean daily and hourly temperature and relative humidity at a station on the edge of Frøya Glacier (145 cm. altitude), Aug. 1-18, 1939; and hourly (irregular) meteorological observations at a station on Frøya Glacier (453 m. altitude), Aug. 1-13, 1939. Bibliographies at the end of each part. *Copy seen:* DLC.

108. AHLMANN, HANS WILHELMS-SON, 1889- , and others. Scientific results of the Norwegian-Swedish Spits-

bergen Expedition in 1934. Introduction [and] Pts. [1-8]. (Geografiska annaler, 1935-36. Årg. 17, p. 22-88, 145-218. Årg. 18, p. 34-73, 225-44, illus., 4 plates (part fold., 2 maps, photos.) maps, tables, diagrs.)

Contents: Ahlmann, H. W. Introduction.

Pt. 1. AHLMANN, H. W. The stratification of the snow and firn on Isachsen's Plateau.

Pt. 2. AHLMANN, H. W. Ablation measurements at the headquarters on Isachsen's Plateau.

Pt. 3. SVERDRUP, H. U. The temperature of the firn on Isachsen's Plateau [etc.].

Pt. 4. SVERDRUP, H. U. The ablation of Isachsen's Plateau and on the Fourteenth of July Glacier in relation to radiation and meteorological conditions.

Pt. 5. AHLMANN, H. W. The Fourteenth of July Glacier.

Pt. 6. SVERDRUP, H. U. Results of the meteorological observations on Isachsen's Plateau.

Pt. 7. AHLMANN, H. W. The firn structure on Isachsen's Plateau.

Pt. 8. OLSSON, HILDING. Radiation measurements on Isachsen's Plateau.

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109. AHLMANN, HANS WILHELMSSON, 1889- , and others. Scientific results of the Swedish-Norwegian Arctic Expedition in the summer of 1931. [Pt. 1-14 and introduction]. (Geografiska annaler, 1933-34, 1936. Årg. 15, p. 1-68, 73-216, 261-348. Årg. 16, p. 161-254. Årg. 18, p. 1-33, illus., plates, maps (part fold.) photos. tables, diagrs.)

Contents: Ahlmann, H. W. Introduction.

Pt. 1. AHLMANN, H. W. The cartography of the coast-districts of North-East Land [etc.].

Pt. 2. ROSENBAUM, L. Determinations of latitude and longitude.

Pt. 3. AHLMANN, H. W. The inland cartography of North-East Land.

Pt. 4. ROSENBAUM, L. Special cartography.

Pt. 5. AHLMANN, H. W. Geomorphology.

Pt. 6. ERIKSSON, BACKA E. Climatology and meteorology.

Pt. 7. ÅNGSTRÖM, ANDERS. On

the total radiation from sun and sky at Sveanor.

Pt. 8. AHLMANN, H. W. Glaciology.

Pt. 9. FJELDSTAD, J. E. Snow and ice temperatures.

Pt. 10. AHLMANN, H. W. Present glaciation round the Norwegian Sea.

Pt. 11. KULLING, OSKAR. The "Hecla Hoek Formation" round Hinlopenstredet [etc.].

Pt. 12. [1] KULLING, OSKAR. Observations on raised beaches and their faunas. [2] AHLMANN, H. W. Polygonal markings.

Pt. 13. MOSBY, HAKON. Physical oceanography.

Pt. 14. SCHOLANDER, P. F. Vascular plants from northern Svalbard [etc.].

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109A. AHLMANN, HANS WILHELMSSON, 1889- , and E. G. DROESSLER. Glacier ice crystal measurements at Kebnekajse, Sweden. (Journal of glaciology, Mar. 1949. v. 1, no. 5, p. 268-74, incl. plate, illus.)

Results of measurements in various kinds of ice found on glaciers in Swedish Lapland, 1948; with notes on a new method using clay and stain, adapted to humidity conditions encountered in that region. *Copy seen:* DGS.

AHLMANN, HANS WILHELMSSON, 1889- . See also Lundqvist, M. Norrland. 1942.

110. AHLNER, STEN. *Cavernularia Hultenii* Degel, funnen i Skandinavien. En ny medborgare i Europas lavflora. (Svensk botanisk tidskrift, 1938. Bd. 32, häfte 2, p. 160-70, plates 1-2) *Title tr.:* *Cavernularia hultenii* Degel, found in Scandinavia. A new member of European lichen flora.

Contains data on *Cavernularia hultenii*, a lichen described by Degelius in 1937 from Alaska and the Aleutian Islands, and found in the same year in Åsele Lappmark in Sweden and in Nord-Trøndelag and Nordland in Norway; with some critical and ecological notes and a detailed list of Scandinavian localities.

Summary in German.

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111. AHLNER, STEN. Einige Flech-

tenfunde aus Kuusamo (Nord Finnland). (Societas pro fauna et flora fennica. Memoranda, 1935-36, pub. 1936. v. 12, p. 52-56, illus.) *Title tr.*: Some lichens from Kuusamo (North Finland).

Contains a list of thirty-nine species of lichens collected by the author in the summer of 1934, in various parts of Kuusamo region (northwestern Finland around 65°58'N. 29°5'E.); with notes on habitat and local distribution.

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AHLUND, Nils Gabriel, 1889- . See Lundqvist, M. Norrland. 1942.

112. AHRENIUS, SVANTE, and S. M. HAKANSSON. Lefnadsteckningar. (In: Andersson, G. S. A. Andrée, hans följelagare och hans polarfärd 1896-1897, pub. 1906, p. 1-105, illus., ports.) *Title tr.*: Biographies.

Biographical sketches of the members of the Andrée balloon expedition: Salomon August Andrée, by an anonymous friend; Nils Strindberg, by S. Arhenius; Knut Frankel, by S. M. Håkansson. Bibliographies, p. 86-87, 96.

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113. AHRENS, CARSTEN. The commonest snakefeeder. (Alaska sportsman, May 1938. v. 4, no. 5, p. 8-9, 26, illus.)

Description, in terms of the general reader, of the dragonfly *Aeschna juncea* Linnaeus, found throughout most of Alaska; its range, habits, habitat, and biology.

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114. AHRENS, CARSTEN. A list of dragonflies (Odonata) taken in southern Alaska. (Entomological news, Oct. 1938. v. 49, p. 225-27)

Annotated list of twenty species, collected between Ketchikan and Matanuska valley, of which six are new to Alaska.

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115. AIRLINES WAR TRAINING INSTITUTE, WASHINGTON, D. C. Survival. A manual for aircraft crews forced down in all parts of the world—including hints on living off the land, building shelters, traveling, protection against disease, saving life and limb. Washington, D. C. [1943?] 4 p. l., 116 p. illus.

Includes (p. 1-31) survival in the Arctic: equipment, signaling, fire building, clothing, frostbite and its treatment, snowblindness, shelter, carbon

monoxide poisoning, drinking water, food, arctic animals, travel, and plants.

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116. AIRTH W. B. Cape Smith sulphide deposits. (Canadian mining journal, Feb. 1933. v. 54, p. 53-55, illus.)

Contains a brief description of the greenstone belt on the Ungava mainland east of Cape Smith (60°44'N. 78°28'W.) prospected by the author and others in 1931-32.

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117. AIRTH, W. B. Up Hudson Bay by canoe; twelve hundred miles by canoe along the east coast of Hudson Bay. (Canadian mining journal, Feb. 1933. v. 54, p. 59-63, sketch map.)

Description of a trip from Moose Factory at the foot of James Bay to Cape Smith, for the Cyril Knight Prospecting Co.

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118. AKADEMIKA NAUK SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition nach den Neusibirischen Inseln und dem Jana-Lande. St. Petersburg, 1887. vi p., 1 l., 412 p. (incl. tables) 6 maps (5 fold.) (Beiträge zur Kenntnis des Russischen Reiches. Folge 3, Bd. 3) *Title tr.*: The Expedition to the New Siberian Islands and the Yana region organized by the Royal Academy of Sciences.

This expedition of Dr. A. A. Bunge and Baron E. V. von Toll spent the summer of 1885 in the Yana-Lena River region, and from May to Nov. 1886 explored and studied the natural history and geology of Great Liakhov (Bol'shoy) and Kotelnyy Islands.

Contents tr.: I. SCHRENCK L. von. Preliminary history of the expedition. II. Bunge, A. A., and E. V. von Toll. Reports of the expedition.

1. Bunge, A. A. Letter to the secretary of the academy on the progress of the expedition.

2. BUNGE, A. A. Report on the journey in the Yana region, summer 1885, with a list of the observed or known mammals and birds.

3. TOLL, E. V. von. Brief report on the geologic observations during the journey in the Yana region, 1885, with remarks on the lower fresh-water and marine fauna.

4. BUNGE, A. A. Report on the further progress of the expedition. Departure for the New Siberian Islands.

5. TOLL, E. V. von. Report on the excavation of a complete mammoth cadaver in the Chendon region.

6. BERGMANN, R. Meteorological observations made by Dr. A. Bunge.

7. Bunge, A. A. Arrival of the expedition on Kotelnny Island. Letter to the secretary of the academy.

8. Bunge, A. A., and E. V. von Toll. Completion of work on the islands and return to the mainland. A telegram.

9. BUNGE, A. A. Report on the progress of the expedition on Great Liakhov Island.

10. TOLL, E. V. von. Journey to New Siberian Islands and visit to Kotelnny Island.

11. BERGMANN, R. Meteorological observations made by Dr. A. Bunge on the New Siberian Islands.

12. BERGMANN, R. Meteorological observations made by Baron E. Toll in the Yana region and on New Siberian Islands.

Part I and no. 2-6, 9-12 of part II appear in this Bibliography under their authors' names. *Copy seen:* DLC.

119. AKADEMIYA NAUK SSSR. The Pacific. Russian scientific investigations. Leningrad, Publishing Office of the Academy, 1926. 2 p. l., 190 p., 1 l., ports., 11 maps (5 fold.) fold. tab., fold. charts. "Prepared for the Third Pan-Pacific Congress"—Pref.

Brief summaries of Russian exploratory, cartographic, geologic, seismologic, geomagnetic, oceanographic, meteorologic, botanic, zoologic and ethnographic work since the early 17th century, in the Pacific area which includes Bering Strait and Sea, Kamchatka and the Sea of Okhotsk and their neighboring regions; with bibliographies for each subject. *Copy seen:* DLC.

120. AKADEMIYA NAUK SSSR. Prezidentu Akademii nauk SSSR akademiku Vladimiru Leont'evichu Komarovu k semidesyatiletiyu so dniya rozhdeniya i sorokapiatiletiyu nauchnoi deyatelnosti. [Leningrad] Izdat. Akad. nauk SSSR. 1939. 808 p. illus. (incl. maps), plates, tables. *Title tr.:* To the President of the Academy of Sciences of the U.S.S.R., Academician Vladimir Leont'evich Komarov on occasion of the 70th anniversary of his birth and 45th anniversary of his scientific activity.

This commemorative volume contains four articles on the life, scientific work

and explorations of V. L. Komarov, prominent botanist, geographer and explorer, a bibliography of his works, and forty-six botanical papers, including six on the botany of the arctic regions, which appear in this bibliography under their respective authors' names viz. (titles tr.):

SHOKAL'SKII, I. V. M. Vladimir Leont'evich Komarov as a geographer.

BOBROV, E. G. On lupine clover—*Trifolium lupinaster* L.

VASIL'EV, V. N. Endemics of the Okhotsk flora.

KATS, N. Ia. Marshes of the lower Ob' River.

LAZARENKO, A. S. Relicts in bryoflora of the Soviet Far East.

PAVLOV, N. V. Materials for the flora of Penzhina region of the Far East.

FEDCHENKO, B. A. Notes on systematics and geography of the bean family (Fabaceae).

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121. AKADEMIYA NAUK SSSR. Putevoditel' po Khibinskim tundram. Leningrad, 1932. 200 p., illus., fold. map. *Title tr.:* Guide through the Khibiny tundras.

Thirty articles by various authors giving a comprehensive survey of the Khibiny region of Kola Peninsula, for travelers, workers, and new settlers.

Contains (in pt. 1) outline of (then) present conditions and prospective development of the region; its mineral resources and their industrial value, utilization of hydraulic power of the Niva River.

Pt. 2. History of exploration; geography and orography; hydrology; cartography; climate; geochemistry and mineralogy; petrography; flora and fauna.

Pt. 3. Suggestions for travelers concerning time and equipment for visiting the region, means of transportation, routes to follow on foot; various excursions in the region; the Murmansk railroad; Khibinogorsk (Kirovsk) and other populated places. Bibliography (60 items). *Copy seen:* DLC.

122. AKADEMIYA NAUK SSSR. Sistematicheskii ukazatel' statei, napechatannykh v 23 tomakh Meteorologicheskogo Sbornika, izdavavshagosi Imperatorskoi Akademii nauk s 1869 no 1894 g. St.-Petersbourg, 1895. 4 p. l., 19

p. (*Its*: Mémoires. Sér. 8, vol. 3, no. 4) **Title tr.:** A systematic guide to articles, printed in 23 volumes of the Meteorological Journal, published by the Imperial Academy of Sciences from 1869 to 1894.

A bibliography of subjects in meteorology and related fields which were published by the Academy of Sciences in the series "Repertorium für Meteorologie," 1869-94. **Copy seen:** DLC.

AKADEMIĀ NAUK SSSR. See also Brandt, J. F., and others. Instructions données à M. Middendorff. 1843.

AKADEMIĀ NAUK SSSR. See also Geints, E. A. Ukazatel' statei no meteor. i zemnomu magnet. 1901.

AKADEMIĀ NAUK SSSR. See also Middendorff, A. T. v. Puteshestvie na sever i vostok Sibiri. 1860-73.

AKADEMIĀ NAUK SSSR. See also Middendorff, A. T. v., and others. Reise Norden u. Osten Sibiriens, 1843-44. 1847-75.

123. **AKADEMIĀ NAUK SSSR. AR-KHIV.** Materialy dlia istorii ekspeditsii Akademii nauk v XVIII i XIX vekakh. Moskva, Leningrad, 1940. 310 p., illus., maps (incl. 5 fold.) facsim. (incl. 3 fold.) (*Its*: Trudy, vyp. 4) Compiled by V. F. Grucheva. **Title tr.:** Contribution to the knowledge of the history of the Academy of Sciences' Expeditions in the 18th and 19th centuries.

Chronological record, 1717-20 to 1899-1903, of 50 eighteenth, and 142 nineteenth century expeditions organized by the Academy, and those which carried out work for the Academy among other sponsors. The account of each expedition includes the circumstances of its inception, leader and participants, the region and purpose of investigation, also (frequently) remarks on the financing and on itinerary and accomplishments in the field; also a survey of materials in the Academy's archives relating to the expedition (including its original records); and (frequently) a list of publications resulting from the expedition. Appended are indexes of geographical names and aboriginal peoples (p. 273-86), explorers, authors, etc. (p. 287-98), mentioned in the text; also subjects investigated, scientific disciplines, etc., (p. 299-300). **Copy seen:** DLC.

124. **AKADEMIĀ NAUK SSSR. BIBLIOTEKA.** Geologiya v izdaniakh. Akademii nauk. Vyp. 1, 1728-1928. Moskva, Leningrad, 1938. xv, 470, [1] p., ports. (*Its*: Geologicheskaya literatura SSSR. T. 1) **Title tr.:** Geology in the publications of the Academy of Sciences, U.S.S.R., vol. 1, 1728-1928.

List of 3607 works (including many relating to arctic regions) arranged chronologically with subject, geographical and author, etc., indexes.

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AKADEMIĀ NAUK SSSR. Botanicheski muzei. See Bush, E. A., and others. Flora Sibiri. 1913-31.

AKADEMIĀ NAUK SSSR. Iakutskaya nauchno-issledovatel'skaya merzlotnaya stantsiya. See Shimanovskii, S. V. Vlieniye pokrytii. 1942.

AKADEMIĀ NAUK SSSR. Institut geografii. See Konferentsiya po paleogeografii chetvertichnogo perioda, Moskva, 1941.

AKADEMIĀ NAUK SSSR. Institut merzlotovedeniya. See Bogoslovskii, N. N. Melkoe zalozhenie fundamentov. 1946.

AKADEMIĀ NAUK SSSR. Institut merzlotovedeniya. See also Proekt ukazanii. 1946.

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AKADEMIĀ NAUK SSSR. Institut merzlotovedeniya. Iakutskaya nauchno-issledovatel'skaya merzlotnaya stantsiya. See Akademii nauk SSSR. Iakutskaya nauchno-issledovatel'skaya merzlotnaya stantsiya.

AKADEMIĀ NAUK SSSR. Institut merzlotovedeniya im. V. A. Obrucheva. See Enenstein, B. S. Application electro-prospecting Igarka. 1940.

AKADEMIĀ NAUK SSSR. Institut merzlotovedeniya im. V. A. Obrucheva. See also Enenstein, B. S. Nabliudeniya nad estestvennymi tokami. 1947.

125. **AKADEMIĀ NAUK SSSR. KOL'SKAYA BAZA.** Proizvoditel'nye sily Kol'skogo poluoostrova. I. Moskva, Izd. Akademii nauk, 1940. 196, [1] p., illus. (2 sketch maps, tables, diagrs.) 6

plates (1 port.) *Title tr.*: Productive forces of the Kola Peninsula. I. Edited by A. E. Fersman.

Contents tr.: MALENT'EV, B. N. Quantitative mineralogical composition of the waste after the processing of apatite nepheline rocks at Kirovsk.

VOLOD'KO, I. F. Bol'shaya Belaya River and the composition of deposits formed by waste discharged from apatite-nepheline concentrating plant.

CHIRVINSKII, P. N. Mineralogy of the Kirovsk area of the Murmansk region.

AFANAS'EV, V., and V. I. KOTEL'NIKOV. Pyrrhotine deposits in southwestern part of the Khibiny tundras.

GERASIMOVSKII, V. I. New data on the mineralogy of Lovozerskiy basic massif.

ELISEEV, N. A., and N. K. NEFEDOV. Loparite deposits in Luyavrut. VOROB'eva, O. A. Primary banding of Lovozerskiy basic massif.

AFANAS'EV, V. A. Varieties of basic rock in Khabozero region.

BAKHIREV, I. T. Some geological data on the Enokovdorozerskiy region.

BORISOV, P. A. The Keyv cyanites. POLYNTSEVA, O. A. Soil investigations in the Murmansk region.

POL'ANSKAYA, O. S. The natural fodder grass meadows of Kola Peninsula.

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126. AKADEMIYA NAUK SSSR. KOMISSIYA EKSPEDITSIONNYKH IS-SLEDOVANII. Materialy po istorii Kol'skogo poluostrova. (*In*: Sbornik materialov po istorii Kol'skogo poluostrova v 16-17 vv., 1930, p. 27-191) *Title tr.*: Source material on the history of the Kola Peninsula.

Texts of seventy-eight ms. documents, etc., of the period 1507-1709, illustrative of the history of the Kola Peninsula, with indexes of personal and geographic names. *Copy seen:* DLC.

127. AKADEMIYA NAUK SSSR. KOMISSIYA EKSPEDITSIONNYKH IS-SLEDOVANII. Sbornik materialov po istorii Kol'skogo poluostrova v 16-17 vv. Leningrad, 1930. 2 p. l., 191 p. (*Its*: Materialy. Vyp. 28, Seriya severnaya) *Title tr.*: A compilation of materials on the history of the Kola Peninsula in the 16th and 17th centuries.

Brief discussion of source material on the history of the region, held in various Soviet archives, and a collection of seventy-eight local historical documents.

Contents tr.: ANDREEV, A. I. Historical source material on the Kola Peninsula held in monastic archives.

ANDREEV, A. I. Historical source material on the Kola Peninsula held in the archives of Leningrad.

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128. AKADEMIYA NAUK SSSR. KOMISSIYA PO IZUCHENIU ESTESTVENNYKH PROIZVODITEL'NYKH SIL SSSR. Vechnaya merzlota. Leningrad, 1930. 231 p. (*Its*: Materialy, no. 80) *Title tr.*: Permafrost. Special issue of the proceedings of the Academy of Sciences devoted to permafrost.

Contents tr.: SUMGIN, M. I. The present stage of the study of permafrost in the U.S.S.R.

GRIGOR'EV, A. A. Permafrost and ancient glaciation.

MAL'CHENKO, E. V. An attempt to characterize the general climate of permafrost on the basis of climatic conditions in the permafrost region.

GORODKOV, B. N. Permafrost and vegetative cover.

KALITIN, N. N. The role of actinometry in solving the permafrost problems.

PETROVSKII, A. A. Electrometric methods for calculating the depth of deposit of the permafrost layer.

TSYTOVICH, N. A. Permafrost as a foundation for buildings.

KOLOSOKOV, P. I. Notes on the use of heat as an amelioration method in the regions of permafrost and deep winter freezing of the ground.

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129. AKADEMIYA NAUK SSSR. KOMISSIYA PO IZUCHENIU YAKUTSKOI AVTONOMNOI SOVETSKOI SOTSIALISTICHESKOI RESPUBLIKI. Literatura. (*Its*: Materialy, 1928, Vyp. 11, p. 204-216) *Title tr.*: Literature.

A basic bibliography on the region of the Yakut A.S.S.R., containing one

hundred seventy-one works published from the 18th century to 1927.

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130. AKADEMIYA NAUK SSSR. KOMISSIYA PO IZUCHENIYU YAKUTSKOI AVTONOMNOI SOVETSKOI SOTSIALISTICHESKOI RESPUBLIKI. Materialy ekspeditsii k ust'iam rek Leny i Olenka pod nachal'stvom F. A. Matisena v 1920 g. i N. I. Evgenova v 1921 g. Leningrad, Izd. Akademii nauk SSSR i Gidrograficheskogo upravleniya, 1928-29. 3 v. v. 1: v, 260 p., illus., ports., diags. (part fold.); v. 2: 3 p. l., iii, 19 p., diags. (incl. 1 fold.) 36 maps; v. 3: 3 p. l., ii, 53 p., 21 maps (part fold.) (*Its:* Trudy, T. 3, chast' 1-3) *Title tr.:* Results of the expedition to the estuaries of Lena and Olenek Rivers under the leadership of F. A. Matisen, 1920, and N. I. Evgenov, 1921.

Contents tr.: v. 1. Evgenov, N. I. The expedition to the estuaries of Lena and Olenek Rivers: The route and short description of the expedition. Magnetic observations. Observations on the water levels and currents. Tides. Meteorological observations.

PARKHOMENKO, S. G. Some data on the nature of the lower Lena River region.

v. 2. Evgenov, N. I., and others. An atlas of Lena River from Yakutsk to the delta, including description of shipping conditions.

v. 3. Evgenov, N. I., and others. An atlas of the arms of the Lena River delta, the lower Olenek River, and Tiksi Bay. *Other authors* (v. 2-3): P. K. Khmyznikov and I. U. D. Chirikhin. Parkhomenko's paper (v. 1) appears in this Bibliography under its author's name.

These papers are the narrative and scientific results of the expedition to the estuaries of Lena and Olenek Rivers, 1920-21, to make hydrographic investigations, surveys for mapping, and other scientific observations. Summary in English, v. 1, p. 247-49.

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131. AKADEMIYA NAUK SSSR. KOMISSIYA PO IZUCHENIYU YAKUTSKOI AVTONOMNOI SOVETSKOI SOTSIALISTICHESKOI RESPUBLIKI. Meteorologicheskie i aerologicheskie nabludeniya v Yakutii, 1925 g. Leningrad, 1928. 3 p. l., [1], 57 p. (*Its:* Trudy, T. 8, chast' 2. Nabludeniya aero-

logicheskikh stantsii: Yakutsk i Petropavlovskoe) *Title tr.:* Meteorological and aerological observations in Yakutia, 1925.

Contents include (p. 1-31): results of one hundred thirty-three balloon observations taken July-Dec. 1925 at Yakutsk (62°01'N. 129°41'E.) showing height of observations, velocity and direction of wind at different levels, with general remarks on cloud conditions. Summary in German.

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132. AKADEMIYA NAUK SSSR. KOMITET PO VECHNOI MERZLOTE. Sbornik instruktsii i programnykh ukazanii po izucheniiu merzlykh gruntov i vechnoi merzloty. Moskva, 1938. 272 p., illus., diags. *Title tr.:* Manual of instructions and program directives for the study of frozen ground and permafrost.

Contents tr.: Sumgin, M. I. Preface (p. 4-6) indicates the purpose of the instructions, previously existing literature and its shortcomings, also list of scientists collaborating in production of this manual, the best Soviet specialists on permafrost and allied problems.

PARKHOMENKO, S. G. Preparation for field work.

ENENSTEIN, B. S. Instructions for temperature observations in the permafrost region.

TOLSTIKHIN, N. I. Ground waters.

TOLSTIKHIN, N. I. Instructions for the study of naled'.

PETROVSKII, A. A., and A. T. AKIMOV. Instructions for application of direct current in investigations of permafrost.

KACHURIN, S. P. Instructions for the study of thermokarst (sinking and settling of the ground).

KUSHEV, S. L. Observations on peat mounds and hillocky marshes.

ERMOLAEV, M. M., and N. I. TOLSTIKHIN. Brief instructions for the study of fossil ice.

PARKHOMENKO, S. G. Instructions for the study of structural soils.

PARKHOMENKO, S. G. Instructions for the study of thawing and freezing of the ground and for determination of the upper and lower limits of permafrost.

TSYTOVICH, N. A. Instructions for field investigations of the physical and mechanical properties of frozen grounds.

SHEIKOV, M. L., and I. S. VOLOGDIN. Instructions for laboratory investigations of the mechanical properties of frozen ground.

TOLSTIKHIN, N. I. Instructions for surveying for water supply in the permafrost region.

PONOMAREV, V. M. Contributions to the study of permafrost in conjunction with mine construction.

BIRKENGOF, A. L. Permafrost and forests.

DEMCHINSKII, B. N. Program for field agricultural experiments in the region of permafrost.

PROEKT instruktsii po issledovaniu vechnoi merzloty v stroitel'nykh tseliakh. (Proposed instructions for the study of permafrost for construction purposes).

Each paper (excepting the preface by Sumgin) appears in this Bibliography under its author's name (the last paper under title).

Copy seen: DLC.

133. AKADEMIYA NAUK SSSR. SEKTSIYA INFORMATSII I BIBLIOGRAFIYA. Annotirovannyi katalog izdaniy Akademii nauk SSSR., 1934-1937. Moskva, Leningrad, 1938. 278 p. *Title tr.:* An annotated catalog of the Academy of Sciences, U.S.S.R. publications, 1934-1937.

An annotated bibliography of about seven hundred items, arranged according to subjects: general subjects (including, p. 21-29, twenty-three items relating to arctic regions); physical and mathematical sciences; geophysical sciences; geography, geomorphology and cartography; geological sciences; sciences on soils; biological sciences; agriculture; technology; social sciences; popular scientific literature; bibliography; references; with brief note of the type of reader to whom the material is suited.

Copy seen: DLC.

134. AKADEMIYA NAUK SSSR. SOVET PO IZUCHENIU PROIZVODITEL'NYKH SIL. Na Kamchatke; sbornik statei i ocherkov. Prilozheniia: slovar' spetsial'nykh terminov, karta Kamchatki. Moskva, Izd-vo Akademii nauk SSSR, 1936 [etc.] 213 [1] p., illus., ports., fold. map. *Title tr.:* On Kamchatka; a collection of articles and sketches.

Contents tr.: BRONSHTEIN, B. A. Kamchatka Complex Expedition.

SHCHERBAKOV, A. V. Across the Kamchatka ranges.

MOROZ, A. I. From the Sea of Okhotsk to the Pacific Ocean.

LIVEROVSKII, I. A. On the Quaternary series.

LIPSHITS, S. I. In the valley of the Kamchatka River.

PAVLOV, N. V. In the basin of River Bol'shaya.

CHIZHIKOV, P. N. To the foot of the Opala volcano.

BIRKENGOF, A. L. In the forests of central Kamchatka.

LIVEROVSKII, I. A. Kamchatka dogs.

SMELOV, I. I., and I. I. ANUFRIEV. At the foot of a giant.

GALET'SKAYA, A. A. An unsuccessful attempt.

KULAKOV, V. S. In the crater of an active volcano.

TROI'SKII, A. N. On the peak of Klyuchevskaya Sopka.

KOPTELOV, S. D. The Klyuchevskaya conquered.

These articles form popular account of the work of the Kamchatka Complex Expedition 1935, by members of its various groups, with a map of Kamchatka Peninsula, 1:3,000,000, (1936) and a supplement: a list of scientific terms (for popular use) p. 195-213.

Each article appears in this Bibliography under its author's name.

Copy seen: DLC.

135. AKADEMIYA NAUK SSSR. SOVET PO IZUCHENIU PROIZVODITEL'NYKH SIL. AERODROMNO-DOROZHNAIA KOMISSIYA. Fiziko-mekhanicheskie svoistva snega i ikh ispol'zovanie v aerodromnom i dorozhnom stroitel'stve. Moskva, 1945. 66, [1] p. illus., diagrs., tables. *Title tr.:* Physical and mechanical properties of snow and its utilization in the building of airfields and roads. Edited by D. G. Vilenskii.

Collection of papers based on experimental work of the Commission for Airfields and Roads (Aerodromno-dorozhnaya komissiya) of the Academy of Sciences, U.S.S.R., 1942-43. They give descriptions of various experiments in compressing, mixing and crushing snow; the properties of snow (density, solidity, heat conductivity, mechanical properties) and their relation to temperature, pressure and time; description of a new method of harden-

ing the snow cover of roads and airfields by mixing and subsequent crushing of snow, based on the re-crystallization of snow particles (method adopted by the Red Army in the course of the war); description and evaluation of various machines and tools for treatment of snow on roads and airfields. *Contents tr.*: Kondrat'eva, A. S., I. V. Kragel'skiĭ, and A. A. Shakhov. Increase in the density of snow under the effects of pressing load.

*Kragel'skiĭ, I. V., and A. A. Shakhov. The change of mechanical properties of snow cover in time (hardening).

*Kondrat'eva, A. S. Heat conductivity of snow cover and physical processes under the influence of temperature gradient.

*Kragel'skiĭ, I. V. Technological analysis of machinery of compressing snow.

*Kragel'skiĭ, I. V. Treatment of snow cover by the method of mixing and subsequent crushing.

Afanas'ev, A. D. Mechanization of snow clearing on the new technological principle.

Kragel'skiĭ, I. V. The methods of determination of solidity and density of snow cover. Bibliography (30 items)

*English translation available from Science Museum Library, South Kensington, London, S.W. 7.

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AKADEMIYA NAUK SSSR. Zoologicheskii institut. *See* Fauna SSSR. Ptitsy. 1937-41.

136. AKAJEVSKII, A. I. Anatomiiā severnogo oleniā. Leningrad, Izd-vo Glavsevmorputi, 1939. 326, [2] p., illus. *Title tr.*: Anatomy of the reindeer.

A text book prepared under the auspices of the Institute of Polar Agriculture, Animal Husbandry and Fishing and Hunting Industry. Bibliography p. 322-23.

Copy seen: DLC.

137. AKATOVA, N. A. K faune Ostracoda Novosibirskogo melkovod'ia. (*In*: Dreifušshchariā ekspeditsiā Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 224-30, illus.) *Title tr.*: Ostracoda from the New Siberian Islands shelf waters.

Descriptions of seven species of these crustaceans taken during the ice-breaker Sedov's drift, 1937-38. Summary in English. *Copy seen:* DLC.

138. AKATOVA, N. A. K poznaniū zooplanktona Kuril'skogo ožera. (Akademiiā nauk SSSR. Tikhookeanskii komitet. Trudy, 1937. v. 4, p. 169-76, illus., tables, fold. map). *Title tr.*: On zooplankton of Kuril Lake.

Results of investigations by the Kamchatka section of the Marine Pacific Institute of Fisheries, 1932-33, of Lake Kuril in southern Kamchatka, 51°29'N. 157°11'E.: qualitative composition of zooplankton, collected in Lake Kuril in autumn 1932 and spring 1933; its horizontal and vertical distribution. Summary in English.

Copy seen: DLC.

139. AKHMATOV, V. Die Kartographie der Arktis innerhalb der Grenzen der U.S.S.R. (*In*: International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen der II. Versammlung, 1928. Petermanns geographische Mitteilungen. Ergänzungsheft, 1929. Nr. 201, p. 64-72). *Title tr.*: The cartography of the Soviet Arctic.

Discussion of the (then) available maps and charts, and the need to define boundaries in the Arctic. Translation in English appeared in *Hydrographic review*, 1930. v. 7, no. 1, p. 161-68.

Copy seen: DLC.

140. AKHMATOV, V. Observations au Mont Keilhau. [St. Pétersbourg, Académie Impériale des Sciences, 1910.] 4 p. l., 57 p. (incl. tables) 3 plates (incl. map) (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe. T. 1, Géodésie, sect. 2, Travaux au diverses stations. C. 1.) *Title tr.*: Observations on Mt. Keilhau.

One of the seven main geodetic stations, established by the Russian Expedition to Measure an Arc of Meridian on Spitsbergen, was on this southern tip of West Spitsbergen at 76°30'N. 16°30'E. The author gives an account of the excursion from Hornsund to the mountain and of the building of the marker and other activities; tabular results of geodetic, astronomic and meteorologic observations (four times daily at 9, 13, 17, and 21 hours, June 11-July 16, Aug. 13-26, 1900).

Copy seen: DLC.

141. AKIF'EV, IVAN NIKOLAEVICH, 1872-1906. Na dalekii Sīver za zolotom; iz dnevnika krugosviētogo putesh-

estviia 1900 goda. S.-Peterburg, Komm-
erch. Skoropech. E. Tile, 1902. 2 p. l.,
200 p., illus. *Title tr.*: To the far
North for gold; from a diary of a
round-the-world voyage in 1900.

Author was surgeon of the Russian-
Anglo-American Expedition which
vainly searched for gold on Chukotsk
Peninsula, 1900. He gives an account
of the journey from St. Petersburg via
London and Washington to San Fran-
cisco and from there on the *Samoa* to
Chukotsk Peninsula and Alaska, and
from there to Sakhalin and Japan. In-
cludes description (superficial) of
some localities in Providence Bay, in-
formation on the life of the Chukchis:
their dwellings, food, hunting, weapons
(guns and bows), burial places, p. 42-
76; also description of various locali-
ties on Chukotsk Peninsula: in Mechig-
men Bay and Cape Novosil'tsev, Cape
Dezhneva, Uelen, Cape Sertse-Kamen'
and Kolyuchin Bay, p. 98-120.

Copy seen: DLC.

AKIMOV, A. T. See Dostovalov, B. N.
Elektricheskie kharakteristiki merz-
lykh porod. 1947.

AKIMOV, A. T. See also Petrovskii,
A. A., & A. T. Akimov. Instruktšiiia po
primeneniuiu elektrorazvedki. 1938.

142. AKKURATOV, VALENTIN IVA-
NOVICH. K vysokim shirotam na sa-
molete. (Sovetskaiia Arktika, 1936, no.
9, p. 91-96) *Title tr.*: To high latitudes
by airplane.

Description of a two-plane flight,
Mar.-May 1936, from Moscow via Cape
Zhelaniya to Tikhaya Bay on Franz
Josef Land, under the leadership of M.
V. Vodop'ianov, with the author as
pilot of the second plane.

Copy seen: DLC.

143. AKKURATOV, VALENTIN IVA-
NOVICH. Metody aeronavigatsii pri
poletakh v vysokie shirot. (In: Eks-
peditsiia na samolete "SSSR-N-169"
v raion "Poliusa Nedostupnosti." Nau-
chnye resul'taty, 1946, p. 37-57)
Title tr.: Aerial navigation in high lati-
tudes.

Description (by the navigator of N-
169) of compasses and other direction-
finding instruments used on this expedi-
tion in the Region of Relative Inaccess-
ibility (around 84°N. 160°W.) in Apr.
1941; with comparative remarks on
their usefulness. Summary in English.

Copy seen: DLC.

144. AKKURATOV, VALENTIN IVA-
NOVICH. Na Severnyi polius v oktiab-
bre 1945 g. (Leningrad. Vsesoiuznoe
geograficheskoe obshchestvo. Izvestiia,
1946. T. 78, vyp. 5-6, p. 499-510) *Title
tr.*: A flight to the North Pole in Octo-
ber, 1945.

Description of the flight of the plane
SSSR-N-331 from Cape Chelyuskin to
the North Pole. *Copy seen:* DLC.

145. AKKURATOV, VALENTIN IVA-
NOVICH. Pokorennaiia Arktika. [Mosk-
va] Molodaiia gvardiia, 1948. 122 [1]
p. illus. *Title tr.*: The Arctic con-
quered.

A more popular treatment of the
achievements of Soviet aviators in ar-
ctic regions 1936-46, described in the
author's *V vysokikh shirotakh*, 1947,
q. v. *Copy seen:* DLC.

146. AKKURATOV, VALENTIN IVA-
NOVICH. V vysokikh shirotakh; zapiski
o poletakh 1936-1946 gg. Moskva,
Izd-vo Glavsevmorputi, 1947. 191 p.,
2 l., illus. (incl. 10 sketch maps), table.
Title tr.: At high latitudes; notes con-
cerning the flights of 1936-1946.

Narrative of the principal Soviet
flights to the arctic regions in which
the author participated as navigator,
with some attention to other flights.
Flights dealt with in full include: 1936
flight of Vodop'ianov (N-127, 128) to
83°N. 58° E.; 1937 expedition to the
North Pole, led by O. Iu. Shmidt (N-
169, 170, 171, 172, 166); 1937 flight of
Mazuruk (N-169) from Rudolf Island
to 87°N; the exploratory flights of
1938-40; 1941 flights of Cherevichnyi
(N-169) to the Pole of Inaccessibility
(about 84°N. 160°W); 1945 flight of
Titlov (N-331) to the North Pole; and
his 1946 flight (N-368) to the shores
of Greenland. These flights were for
the purpose of investigating ice con-
ditions, making meteorological and
other observations, testing planes and
equipment, etc. Some of the results are
given in the course of this narrative
(p. 40, 45-46, 72-73, etc.). Maps show
routes, details of ice-floe airfields, and
new discoveries. Illustrations include
aerial views of arctic terrain.

Copy seen: DLC.

147. AKSENOV. Khatanginskaiia tun-
dra. (Sovetskii Sever, 1931, no. 7-8,
p. 211-12). *Title tr.*: The Khatanga
Tundra.

Letter from an inhabitant of Khatanginskaya Tundra, (the region of 72°N. 103°E., Taymyr Peninsula) dealing with the unsatisfactory living conditions in the region.

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148. AKSENOVA, M. I. A. Dannye po fiziologii pishchevarenia severnogo olenia. (Sovetskoe olenevodstvo, 1937. Vyp. 11, p. 7-30, illus.) *Title tr.:* Some data on physiology of digestion of reindeer.

Study based on experimental work and observations conducted on the Yamal Reindeer Station of the Arctic Institute U.S.S.R., 1934-36. Summary in English.

Copy seen: DLC.

149. AKSENOVA, M. I. A. Razvitie zhelez vnutrennei sekretzii i drugikh vnutrennikh organov v svyazi s vozrastom i zhivym vesom olenia. (Sovetskoe olenevodstvo, 1937. Vyp. 11, p. 55-66) *Title tr.:* Development of endocrine glands and some other inner organs of reindeer in correspondence with age.

Physiological study conducted by the author on Yamal Reindeer Station of the Arctic Institute U.S.S.R. Summary in English.

Copy seen: DLC.

150. AKSENOVA, M. I. A. Voprosy kormlenia severnykh olenei. (Sovetskoe olenevodstvo, 1937. Vyp. 10, p. 11-124, illus., tables, diagrs.) *Title tr.:* The problem of reindeer feeding.

Results of investigations conducted on the Yamal Reindeer Station of the Arctic Institute U.S.S.R., 1934-36, on the digestability for the reindeer, of various foods, and of quantity and quality of food needed by reindeer at work and at rest. Summary in English.

Copy seen: DLC.

151. ALASKA. AGRICULTURAL EXPERIMENT STATION, *College*. Information for prospective settlers in Alaska. College, Alaska, 1948. 35 p. illus., fold. map. (*Its:* Circular no. 1). Originally issued 1916, revised editions 1917, 1923, 1930, 1937, 1941.

Contains introductory section on climate; brief descriptions of climate, soil, crops, etc., of the Matanuska and Tanana valleys and other regions; concluding sections on general information, such as where to locate, schools, judicial divisions, taxation, cost of living, industries, etc.

Copy seen: DLC; NNS Stef.

152. ALASKA. AGRICULTURAL EXPERIMENT STATION, *College*. Progress report, no. 1-11, 1932-1946. College, Alaska, 1932-49. 11 nos. No. 1-4, July 1932-Dec. 1934, issued by Alaska Agricultural College and School of Mines, Agricultural Experiment Station at College.

Contents similar to Alaska, Agricultural Experiment Stations, *Annual report*, q. v.

File seen: DA.

ALASKA. AGRICULTURAL EXPERIMENT STATION, *College*. See also Chamberlin, J. C. Insects agricultural & household importance. 1949.

153. ALASKA. AGRICULTURAL EXPERIMENT STATIONS. Annual report, 1897-1933. Washington, 1898-1934. 37 nos. illus., plates, tables.

Reports for 1897-1900 and 1905 were issued as U. S. Office of Experiment Stations, Bulletins 48, 62, 82, 94 and 169 respectively; reports for 1901-1904 were reprinted from the Annual reports of the U. S. Office of Experiment Stations for 1901-1904 respectively; reports for 1905-32 were issued as the Annual report of Alaska Agricultural Experiment Stations. Beginning 1933, the reports were issued as Progress report of Alaska Agricultural Experiment Station, *College*, q. v.

Contain data and reports on recent activity and development of a wide range of subjects: crops, dairy and poultry feeding and growing, testing of grains, pasture fertility tests, soil tests, pests, potatoes, etc., fur farming.

Weather summaries give monthly means and extremes of temperature, total precipitation, snow (in inches) and cloudiness, from the several stations.

File seen: DA (1901-32); DLC (1897-1933).

154. ALASKA. DEPT. OF HEALTH. Public health progress in Alaska, January 1949. [Juneau, Alaska, 1949.] 78 p. illus.

Contains outline of the organization of the Alaska Dept. of Health; public health programs and services of various agencies in Alaska, p. 14-18; in particular the Alaska Dept. of Health's work, p. 18-66, in disease control, sanitation, nursing, health education, dental service, mental health, hospitals, etc.; and p. 67-78, U. S. Public Health Service program, "Disease and sanitation investigations and con-

trol, Territory of Alaska", a program of research in entomology, nutrition, animal-borne diseases, epidemiology, bacteriology, parasitology, and physiology, under arctic conditions.

Copy seen: CaMAI.

ALASKA. DEPT. OF HEALTH. *See also* U. S. Public Health Service. Progress report. Alaska health & sanitation. 1949.

155. ALASKA. DEPT. OF MINES. Industrial minerals as a field for prospecting in Alaska, including a glossary of elements and minerals by A. E. Glover. Rev. to May, 1946. Juneau, 1946. 82 p.

Contains notes on assaying and other services in Alaska; annotated list of sixty-five elements important to industry, and of over one hundred sixty such minerals.

Copy seen: DLC; NNS Stef.

156. ALASKA. DEPT. OF MINES. Prospecting in Alaska. Juneau, 1944. 26 p. incl. sketch map.

Brief, general information by R. L. Stewart, on financing, equipment and supplies, transportation, and locating claims; also regional descriptions of minerals and conditions.

Copy seen: DLC; NNS Stef.

ALASKA. DEPT. OF MINES. *See also* Anderson, E. Asbestos & jade Kobuk R. Alaska. 1945.

ALASKA. DEPT. OF MINES. *See also* Anderson, E. Mineral occurrences NW. Alaska. 1944 (rev. 1947).

ALASKA. DEPT. OF MINES. *See also* Joesting, H. R. Strategic mineral occurrences Alaska. 1942.

ALASKA. DEPT. OF MINES. *See also* Joesting, H. R. Supplement strategic mineral occurrences. 1943.

157. ALASKA. DEVELOPMENT BOARD. Trade & industry now in Alaska. Juneau, 1946. 71 p. diags.

Prepared by Roy Anderson, a general and popular presentation of a few data, and information on background of forest, transportation, fisheries, mining, agriculture, and fur farming industries, the trades, services and professions (rather more complete than others) and miscellaneous facts, e.g. on vegetation, population, living conditions, taxation, and commerce.

Copy seen: DA.

ALASKA. GAME COMMISSION. *See* U. S. Bureau of Biological Survey. Distrib. game & fur-bearing animals 1938. 1939.

158. ALASKA. GOVERNOR. Annual report. 1883/84-1948. Washington, Govt. Print. Off., 1884-1949.

Contains the governor's review and recommendations on outstanding Alaskan problems, and (mainly) outline of the work (particularly the last year's work) of Alaskan government departments and agencies; official register of officers; new laws relating to Alaska, etc.

File seen: DLC; NNS Stef (broken file).

ALASKA. GOVERNOR. *See also* Bone, Scott Cardelle, 1860-1936.

159. ALASKA. LAWS, STATUTES, ETC. Compiled laws of Alaska, 1949, containing the general laws of the Territory of Alaska, annotated with decisions of the district courts of Alaska, the Circuit Court of Appeals and the Supreme Court of the United States. Pub. under authority of ch. 28, SLA, 1947. Ralph J. Rivers, Frank A. Boyle [and] Norman C. Banfield, Alaska Law Compilation Commission. J. Oliver Tucker, editor in chief. San Francisco, Bancroft-Whitney Co. [1948]. 3 v. (clv., 2750 p.)

To be kept up to date by pocket supplements.

Copy seen: DLC.

160. ALASKA. PLANNING COUNCIL. Alaska development plan. January 1941. Juneau, [1941]. 4 p. l., 11-94 p. incl. tables, map, fold. diagr.

Projected plans mainly for development of resources, indicating briefly the status and present use of vegetative, water, mineral, wildlife, scenic and human resources.

Copy seen: DLC; NNS Stef.

161. ALASKA. PLANNING COUNCIL. General information regarding Alaska. Juneau, Alaska, 1941. 1 p. l., 176, iv p. incl. front., illus., tables, diagr. Revision of the U. S. Dept. of the Interior booklet of same title, 1931, q. v.

Contains discussion, lists and statistics on: climate, vegetation and animal life, national defense, population, populated places, government (including an official register of federal and territorial agencies), commerce, mineral re-

sources, information for settlers, national forests, parks, etc., public land (etc.) disposal, transportation (ocean, river, railroad, trail, air), Civil Aeronautics Authority, Coast and Geodetic Survey, Coast Guard and Lighthouse service, postal service, public health (hospitals), education, Office of Indian Affairs, public assistance, fisheries and wildlife resources, game refuges, banks, employment, and cost of living. *Appendix*: commercial organizations, newspapers, governors, foreign consular officers, official register.

Copy seen: DGS.

162. ALASKA. PLANNING COUNCIL. Preliminary economic survey of Seward Peninsula area. [Juneau?] Alaska Planning Council, 1940. 2 p. l, viii, 86 (i.e. 87) numb. l, 21 l. (incl. tables) 12 maps (part fold.) diagrs. Reproduced from typewritten copy.

Results of work by the council and collaborators, 1939-40, on an area which includes Seward Peninsula and the adjoining coastal strip from St. Michael to Kivalina (Norton and Kotzebue Sounds) also the three islands, St. Lawrence, King, and Little Diomed.

Contents: Pt. A. Geographic background. (with maps): surface features, geology, drainage, climate, vegetation, wildlife, status of mapping.

Pt. B. The people: number and distribution (with map), school population (with map), population trend.

Pt. C. Past and present use of resources: transportation (with map), mining industry, reindeer industry (with map), fur farming and trapping, aquatic animals, native arts and crafts, the service industry (supply, freight volume, shipping).

Pt. D. Place of government: Federal administration, territorial agencies, government expenditures and income.

Pt. E. Major problems.

Pt. F. Suggestions for potential development.

Appendices: 1. U. S. Geological Survey publications on Alaska. 2. Occurrence of minerals other than gold. 3. Information on roads, trails, landing fields. 4. Mining. 5. Reindeer Act (excerpts).

Copy seen: DGS.

ALASKA. UNIVERSITY. EXTENSION SERVICE. See Fohn-Hansen, L. O. Alaska berries. 1943 (rev. 1946).

ALASKA. UNIVERSITY. GEOPHY-

SICAL OBSERVATORY. See Fuller, V. R., & E. H. Bramhall. Auroral research Univ. Alaska 1930-34. 1937.

ALASKA. UNIVERSITY. GEOPHY-SICAL OBSERVATORY. See also West, S. S., & others. State of earth's atmosphere. 1949.

163. ALASKA ALMANAC, 1905-1909. Seattle, Arctic Club, 1906-1909. 5 v. illus., maps; published annually, and compiled 1905-1907 by W. M. Sheffield, 1908-1909 by E. S. Harrison.

Compilation of information on industrial development, resources, geography, history, government, ethnology, distances, mail services, etc., with a directory of territorial officers.

Copy seen: DLC (no. 4, 1909); NN-Stef (no. 4, 1909); WaU (1905-1909).

ALASKA CLUB'S ALMANAC. See Alaska almanac. 1905-1909.

164. ALASKA COMMERCIAL COMPANY. Reply of the Alaska Commercial Company to the charges of Governor Alfred P. Swineford of Alaska, against the company in his annual report for the year 1887. [*San Francisco*? 1887?] 107 p. 2 fold. maps.

Statement and refutation of the governor's charges against the company, then lessee of the Seal Islands from the U. S. government. Refutation includes information (from congressional and other documents and reports) on the condition of the natives of the Pribilof Islands, the company's activities in the Aleutians and on the Alaskan mainland. *Appendices* (eighteen in all) contain texts of documents, etc. as supporting evidence of the company's statements.

Copy seen: NNStef.

ALASKA COMMERCIAL COMPANY. See also White, J. T. Alaska meteorological data. 1902.

ALASKA ENGINEERING COMMISSION. See Alaska Railroad. Alaska Engineering Commission reports. 1916.

ALASKA ENGINEERING COMMISSION. See also Bennett, H. H., & T. D. Rice. Soil reconnaissance in Alaska, 1914. 1919.

165. ALASKA FACTS; what Alaska is today. A word picture of America's last frontier and what it offers to those interested in this vast territory. [Seattle, 1945] 62 p. incl. 19 p. of illus. (23

maps) "Compiled by a group of Alaska business men in the interests of the Territory of Alaska."—p. [3]

Succinct information for the general reader, on the history, climate, industry, mining, transportation, communications, education, public health, land laws, cost of living, and incorporated towns.

Copy seen: DLC; NNStef.

ALASKA FISHERIES EXPERIMENTAL COMMISSION. See U. S. Fish & Wildlife Service. Fishery Products Laboratory. Utilization Alaskan cannery waste. 1. 1947.

166. ALASKA INSECT CONTROL PROJECT. Interim report for 1947. [Washington] 1947. 2 p. l., 132 p. tables, diagrs. (U. S. Agricultural Research Administration. Bureau of Entomology and Plant Quarantine. Division of Insects Affecting Man and Animals. Interim report no. 0-128) Mimeographed.

Report of work conducted by eight cooperating federal agencies under contracts with Office of the Surgeon General, Dept. of the Army, Bureau of Medicine and Surgery, Dept. of the Navy, and carried out by a field party of twenty-one persons under Dr. B. V. Travis working from a base at Fort Richardson, Anchorage, May-Aug. 1947. "Three general surveys were made in and around Anchorage, Fairbanks, Valdez, Circle and Livengood and along the highways connecting these localities. McKinley Park, Nome, Barrow, Umiat and Adak were each visited once, and two trips were made to Whittier and Pigot Bay."

Contents: 1. General survey data. 2. Identification and distribution of the bloodsucking Diptera (mosquitoes, blackflies, no-see-ums, horseflies and deerflies). 3. Biology of the bloodsucking Diptera. 4. Mosquito larvicide tests. 5. Mosquito pre-hatching treatments. 6. Effect of insecticides on blackfly larvae. 7. Control of adult biting insects in Alaska. 8. Repellents and protective clothing. 9. The effect of blackfly larvicides on fish and fish foods. 10. Vegetation studies in mosquito-breeding areas. 11. Climatic data. 12. Calibration and droplet size studies. 13. Plans for 1948.

Copy seen: CaMAI.

ALASKA JUNEAU ENTERPRISE. See Engineering and Mining Journal. Alaska Juneau enterprise.

167. ALASKA LIFE. Alaska medical care is judged "appalling." (Alaska life, Nov. 1947. v. 10, no. 11, p. 15 illus.)

Note on a report made by five physicians sent to survey the Alaskan health situation, by the Advisory Committee of the American Medical Association to the U. S. Dept. of the Interior, 1947. For the physicians' report see Barnett, H. E., and others. *Medical conditions in Alaska*, 1947. *Copy seen:* DLC.

168. ALASKA LIFE. The Army-built port of Whittier. (Alaska life, Dec. 1944. v. 7, no. 12, p. 44-47, incl. 3 p. of illus.)

Brief note to accompany reproductions of photographs of the new railway terminal for the Whittier-Portage cut-off of the Alaska Railroad.

Copy seen: DLC.

169. ALASKA LIFE. The "B" route is a "must." (Alaska life, Jan. 1944. v. 7, no. 1, p. 20-24, map.)

The highway route from Prince George, B. C. to Watson Lake, Yukon Territory, in the Alaska Highway system is discussed as advantageous in distance, cost, transportation time, and military usefulness.

Copy seen: DLC.

170. ALASKA LIFE. Cost of living in Alaska. (Alaska life, Oct. 1945. v. 8, no. 10, p. 24-29, tables.)

Statistical study of percentage change, average retail food prices, and cost-of-living index for Anchorage, Fairbanks and Juneau (generally) Mar. 15, 1943-Mar. 15, 1945, based on figures of the U. S. Bureau of Labor Statistics. *Copy seen:* DLC.

171. ALASKA LIFE. \$50 million for the A.R.R. (Alaska life, Nov. 1948. v. 11, no. 11, p. 6-8, illus.)

Brief review of the project then under way to rebuild the Alaska Railroad from Anchorage to Fairbanks.

Copy seen: DLC.

172. ALASKA LIFE. From west to east, a new Northwest Passage. (Alaska life, Aug. 1939. v. 2, no. 4, p. 10-11, 24-25, illus.)

Interview with Dr. H. F. Kellems who was about to attempt a voyage in his motor-cruiser *Pandora* from Seattle north and eastward through Canadian arctic waters to the Atlantic coast during the summer of 1939. Includes his

toric notes on the Northwest Passage, also information that the vessel was wrecked on Kayak Island off Cape St. Elias during the first lap of the voyage.

Copy seen: DLC.

173. **ALASKA LIFE.** Judge Wickersham. (Alaska life, Dec. 1939, v. 2, no. 8, p. 17, 19, port.)

Obituary of Alaska's most famous judge, developmental work in Alaska beginning 1900, activities as editor, bibliographer and Territorial delegate to United States Congress, 1909-1921, and 1931-33.

Copy seen: DLC.

174. **ALASKA LIFE.** Pictorial edition, 1946. Seattle, Alaska Life Publishing Co., 1946. 192 p. incl. illus.

Pictures with descriptive text on various aspects of Alaska life and scenery, industrial and social conditions, and chief towns within the Territory.

Copy seen: DLC.

175. **ALASKA LIFE.** Pulp timber sale for Petersburg area postponed. (Alaska life, Nov. 1947. v. 10, no. 11, p. 6-7, 20-21, illus., map.)

Discussion of the contracts, financial problems, and future possibilities for pulp companies taking advantage of the opening of the Tongass National Forest for cutting, 1947-48.

Copy seen: DLC.

176. **ALASKA LIFE.** Railway to Alaska. (Alaska life, Aug. 1942. v. 5, no. 8, p. 15-17.)

Remarks in support of the need for, and feasibility of a railroad from the Pacific Northwest, via the Rocky Mountains to Alaska.

Copy seen: DLC.

177. **ALASKA LIFE.** Will Alaska's forests be postwar victims. (Alaska life, Oct. 1947. v. 10, no. 10, p. 9, 17, illus.)

Analysis of H.R. 4059 (Lemke Bill) before the 80th Congress to aid veterans in acquiring forest lands in Alaska, with arguments in opposition to such legislation.

Copy seen: DLC.

178. **ALASKA LIFE;** the territorial magazine. v. 1-12, no. 4. Jan. 1938-Aug. 1949. Seattle, Alaska Life Publishing Co., etc., 1938-1949. 12 v. illus. (part col.) monthly.

No numbers were issued for Mar.-May 1939, Jan.-Apr. 1949. Title during Jan.-Mar. 1938 was *Alaska radio guide*; in Apr. 1938, *The Alaskan and Alaska radio guide*; May 1938-Aug.

1949, *Alaska life; the territorial magazine*. Published by J. H. Symonds, Jan.-Mar. 1938; Kraft Publishing Co., Apr. 1938; Alaska life Publishing Co., May? 1938-Aug. 1949.

Popular magazine devoted to informative articles, stories, personal reminiscences, current political and economic discussion, and illustrations of all phases of Alaskan life. Includes (from Dec. 1939) occasional articles on Alaskan cities and towns, sketching their history, reporting development of their industries and conditions of employment. Vol. 5-8, 1942-45, include numerous articles on the U. S. Armed Forces in Alaska during World War II.

Many of the articles (though few of these wartime features) are listed in this Bibliography under the authors' names.

File seen: DLC.

179. **ALASKA MAGAZINE.** The adventures of Fire-drill, the giant-killer; a fairy story, adapted from the Tlingit. (Alaska magazine, Jan. 1927. v. 1, p. 277-82, illus.)

Copy seen: DLC.

180. **ALASKA MAGAZINE.** The Alaskan adventures of Captain Urey Lisianski, K.G.V., Imperial Russian Navy; from his "Voyage round the world in the ship Neva, 1803-1806." (Alaska magazine, Jan. 1927. v. 1, p. 189-216, 243-65, illus., maps.)

U. F. Lisianskii's account of his voyage to Kodiak in 1804, his encounters with Indians of the Sitka region, descriptions of Indian customs, etc. See also his: *Puteshestvie vokrug svieta v 1803 [etc.], 1812.*

Copy seen: DLC.

181. **ALASKA MAGAZINE.** The Alaskan adventures of Jean François Galoup de La Perouse; from *Le voyage de La Perouse auteur [sic] du monde*. (Alaska magazine, Jan. 1927. v. 1, p. 109-143, illus., maps.)

That portion of La Perouse's narrative which describes the approach and exploration of Lituya Bay, Southeast Alaska, the Tlingit Indians and the physical features of the region.

Copy seen: DLC.

182. **ALASKA MAGAZINE.** The Alaskan travels of Capt. James Cook, F.R.S.; from the Admiralty report of his third voyage. (Alaska magazine, Jan. 1927. v. 1, p. 77-102, including 7 p. of illus., port.)

The portion of Cook's report concerning his explorations in the Gulf of Alaska and Bering Sea, 1778.

Copy seen: DLC.

183. *ALASKA MAGAZINE*. An Eskimo cobbler's display. (*Alaska magazine*, Jan. 1927. v. 1, p. 47, illus.)

Note on mukluks.

Copy seen: DLC.

184. *ALASKA MAGAZINE*. The mountaineer's paradise; a table of the larger peaks of Alaska. (*Alaska magazine*, Jan. 1927. v. 1, p. 19-20, illus., table.)

List of forty-nine peaks (10,000 feet or more) throughout Alaska, with their altitudes and some notes on locality and origin of names.

Copy seen: DLC.

185. *ALASKA MAGAZINE*. A return from the spirit land; the legend of the Tlingit Orpheus. (*Alaska magazine*, Jan. 1927. v. 1, p. 57-58, illus.)

Adapted from the version reported by Prof. [J.R.] Swanton, of the Smithsonian Institution.

Copy seen: DLC.

186. *ALASKA MAGAZINE*. When nails were unknown; Tlinket ingenuity builds a treasure box. (*Alaska magazine*, Jan. 1927. v. 1, p. 42, illus.)

Notes on Tlingit food and treasure boxes in the Alaska Territorial Museum at Juneau.

Copy seen: DLC.

187. *ALASKA MAGAZINE*. v. 1 (no. 1-5); Jan.-May 1927. [Juneau, Alaska Magazine, Inc., 1927] 282 p. illus., plates, ports., maps.

Edited by J. E. Meals, a short-lived monthly publication devoted to the history, natives and natural history and progress in Southeast Alaska.

Copy seen: DLC.

188. *ALASKA RAILROAD*. Alaska Engineering Commission. Message from the President of the United States, transmitting reports of the Alaskan Engineering Commission. [Washington] U. S. Govt. Print. Off., 1916] 2 p. l., 210 p. 54 plates, 2 fold. maps, diags. and portfolio of 18 [i.e. 21] fold. maps. (U. S. 64th Cong., 1st sess. House. Doc. 610)

Referred to the Committee on the Territories and ordered printed, Jan. 19, 1916.

The Commission was created by presidential appointment, May 1914, under an act of Congress, approved Mar. 12,

1914, to authorize the President to locate, construct and operate railroads in the Territory of Alaska.

Part 1 reports on the period, Mar. 12, 1914-Jan. 31, 1915; part 2, Feb. 1-Dec. 31, 1915.

Two general routes came under consideration: the eastern route from Cordova or Valdez northward via Copper, Tonsina and Delta Rivers and Tanana Valley to Fairbanks, and the western route starting from Portage Bay or Seward and following the shores of Turnagain and Knik Arms, thence northward through Susitna Valley, over Broad Pass and down Nenana River to, and along the Tanana to Fairbanks.

Contains in pt. 1, organizational documents and statement of plans and their results; detailed descriptions of existing railroads: Copper River & Northwestern, Alaska Northern, and Tanana Valley.

Physical descriptions of the eastern and western systems (mentioned above) and their many spur lines, especially into Matanuska coal field.

Discussion of the resources of Fairbanks district, the western and eastern systems, and notes on harbors; estimates of cost, and conclusion.

Appendices (twenty-six in all) cover a wide variety of reports on railway rates, agriculture, coal, mineral production, trade conditions, etc.

Pt. 2. Letters, orders and organizational details; report on construction from Anchorage northward; on town sites, medical service, surveys, and equipment; with notes on development during 1915, of Matanuska Valley, Fairbanks, and other districts.

Appendices (seven in all) concern finances, specifications, equipment and supplies.

Maps: Of the 18 maps, all but two represent preliminary surveys of areas between Seward and Fairbanks; with a soil map of Cook Inlet-Susitna and of Yukon-Tanana regions.

Copy seen: DLC.

189. *ALASKA SPORTSMAN*. "Denali," the high one. (*Alaska sportsman*, Feb. 1935. v. 1, no. 2, p. 8-10, 21, illus.)

Brief, factual introduction on Mt. McKinley, attempts at its ascent, and the local Indians' (called Ten'a) myth concerning its origin.

Copy seen: DLC.

190. **ALASKA SPORTSMAN.** Glacier gold. (Alaska sportsman, Aug. 1937. v. 3, no. 8, p. 8-9, 20, 22-23, illus.)

Account of tunneling 6,000 feet through a glacier near Hyder, Southeast Alaska in search of gold.

Copy seen: DLC.

191. **ALASKA SPORTSMAN.** Nesting notes on native geese. (Alaska sportsman, Apr. 1935. v. 1, no. 4, p. 12, 26, illus.)

Based on data assembled by members of the Alaska Sportsmen's Association, in Southeast Alaska.

Copy seen: DLC.

192. **ALASKA SPORTSMAN.** Winter transportation in the far North. (Alaska sportsman, Jan. 1936. v. 2, no. 1, p. 9, illus.)

Note on the malemute sledge dogs of Alaska, and their origin.

Copy seen: DLC.

193. **ALASKA SPORTSMAN.** v. 1-15, Jan. 1935-1949. Ketchikan, Alaska Magazine Publishing Co., etc., 1935-49. 15 v. illus. No numbers were issued for May, July-Nov. 1935.

Organ of the Alaska Sportsmen's Association, a monthly magazine devoted to natural history, hunting, trapping, fishing, news, history, description and travel, in Alaska and on its waters.

File seen: DLC.

ALASKA LAW COMPILATION COMMISSION. See Alaska. Laws, statutes, etc. Compiled laws of Alaska, 1949. 1948.

194. **ALASKA SPORTSMEN'S ASSOCIATION.** What about the abolishment of the Alaska Game Commission? (Alaska sportsman, Mar. 1935. v. 1, no. 3, p. 18, 28, illus.)

Analysis of the role of the Commission and a statement against the abrogation of the Commission and the Alaska game laws, as then recommended by the territorial legislature.

Copy seen: DLC.

ALASKA SPORTSMEN'S ASSOCIATION. See also *Alaska sportsman*. Nesting notes on native geese. 1935.

ALASKA SPORTSMEN'S ASSOCIATION. See also *Alaska sportsman*. v. 1-15. 1935-49.

195. **THE ALASKA-YUKON GOLD BOOK.** A roster of the progressive men

and women who were the Argonauts of the Klondike gold stampede and those who are identified with the pioneer days and subsequent development of Alaska and the Yukon Territory. [Seattle, Sourdough Stampede Association, Inc., 1930] 147, [1] p. illus. (incl. ports., map) plates.

Contains in addition to the biographical section, brief historical sketches of Alaska and the Yukon Territory, the Royal Canadian Mounted Police, and missionaries; a brief description of the fisheries, and of marine disasters in Southeast Alaska.

Copy seen: DLC; NNS Stef.

196. **AL'BANOV, VALERIAN IVANOVICH.** Au pays de la mort blanche; récit de l'expédition arctique Broussiloff par l'un des deux survivants, A. Albanoff, premier pilote à bord du brick "Sainte-Anna," publié par le docteur L. Breitfuss et traduit de l'allemand par Th. Schoell. Paris, Payot, 1928. 203 p. illus. (maps). (Collection d'études, de documents et de témoignages pour servir à l'histoire de notre temps) *Title tr.:* In the land of the white death; narrative of the Brusilov arctic expedition by one of the two survivors, A. Albanov, first mate of the brig *Sv. Anna*; edited by Dr. L. Breitfuss, and translated from the German by Th. Schoell.

Translation of Albanov's *Mezhdu zhizn'iu i smert'iu*, 1925, q.v.

Copy seen: MH; NN.

197. **AL'BANOV, VALERIAN IVANOVICH.** Irrfahrten im Lande des weissen Todes. Stuttgart/Gotha, F. A. Perthes, 1925. 2 p. l., 206 p. front., 2 fold. maps. *Title tr.:* Wanderings in the land of white death.

German edition of Al'banov's *Mezhdu zhizn'iu i smert'iu*, 1925, q.v.

Copy seen: NN; NNS Stef.

198. **AL'BANOV, VALERIAN IVANOVICH.** *Mezhdu zhizn'iu i smert'iu*. Berlin, Knigoizd-vo "Slovo", 1925. 202, [3] p. 2 maps on fold. sheet. *Title tr.:* Between life and death.

First published as: *Na iug k Zemle Franza Iosifa* (Southward to Franz Josef Land) in U.S.S.R. *Gidrograficheskoe upravlenie. Zapiski po gidrografii*, in v. 41, Petrograd, 1917.

Also published in German as *Irrfahrten im Lande des weissen Todes*, 1925,

q.v.; and in French as *Au pays de la mort blanche*, 1928, q.v.

Account of the arctic expedition under G. L. Brusilov on the *Sv. Anna*, 1912-14, of which the author was a member.

Contains an introduction by L. L. Breitfus, giving a short history of the expedition, and of its ice drift from the coast of Yamal Peninsula through Kara Sea to about 83°18'N. 60°E., in the Arctic Basin north of Franz Josef Land, where the *Sv. Anna*, its commander, Brusilov, and part of the crew were lost.

Account by Al'banov of his attempt to reach Franz Josef Land over the ice on foot, with ten members of the crew, and of the rescue of the two surviving members of the Sedov expedition on *Sv. Foka*. Includes description of northwestern part of Franz Josef Land.

Maps show (1) arctic seas and the ice drift of the *Sv. Anna* compared with the ice drift of the *Fram* (scale approx. 1:20 million); (2) Franz Josef Land, ice drift of the *Sv. Anna* and route of Al'banov's party (scale approx. 1:6 million). *Copy seen:* DLC.

AL'BANOV, VALERIAN IVANOVICH. See also Pinegin, N. V. Sem'desiät dnei bor'by za zhizn'. 1934.

199. ALBEE, RUTH (SUTTON), and others. Alaska challenge, by Ruth and Bill Albee, with Lyman Anson. New York, Dodd, Mead & Co., 1940. 5 p. l., 3-366 p. illus. (incl. 2 sketch maps) 26 plates, map on lining papers.

The story of a journey made by the Albees in 1930, from Prince George, British Columbia to Fort Liard, Yukon, and down the Yukon and Tanana to Fairbanks, Alaska; their life with the Eskimos in the Cape Prince of Wales region, during a year's sojourn there.

Copy seen: DLC; NNStef.

ALBEE, WILLIAM. See Albee, R. S., & others. Alaska challenge. 1940.

ALBERT I, PRINCE OF MONACO, 1848-1922. See Isachsen, G. I., & others. Exploration du nord-ouest du Spitsberg. 1912-14.

ALBERT I, PRINCE OF MONACO, 1848-1922. See also Isachsen, G. I. Spitsbergenekspeditionen, 1906. 1907.

ALBERT I, PRINCE OF MONACO,

1848-1922. See also Isachsen, G. I. Spitsbergenekspeditionen, 1907. 1908.

200. ALBERTINI, GIANNI. Alla ricerca dei naufraghi dell' "Italia", mille chilometri sulla banchisa. 2 ed. Milano, Libreria d'Italia [c1929] 3 p. l., 9-165 p., 4 l. incl. illus., maps. 53 plates, fold. map. *Title tr.:* On the search for the wreck of the *Italia*, one thousand kilometers on the ice fields. 2d edition.

Account of the land search for the Nobile party on the northern shores and islands of Northeast Land, carried out by Albertini and Matteoda, June-July, 1928 from the ship *Braganza*. Includes descriptions of the ice and notes on the progress of the search by planes and ships in the area. *Copy seen:* DLC.

201. ALBERTS, HUGO WILLIAM, 1889-. Forage crops in the Matanuska region, Alaska. Washington, U. S. Govt. Print. Off., 1933. 14 p. illus. (Alaska. Agricultural Experiment Stations. Bulletin no. 11)

Discussion of the production of silage, hay, and pasture in Matanuska and Susitna valleys. *Copy seen:* DA.

202. ALBERTS, HUGO WILLIAM, 1889-. The potato in Alaska. Washington, U. S. Govt. Print. Off., 1931. 19 p. illus. (Alaska. Agricultural Experiment Stations. Bulletin no. 9)

Discussion of extent of potato growing, importance of early maturing varieties and sprouted seed, and the soils, planting, harvesting, and crop hazards in southwestern, southeastern and interior Alaska, the Matanuska and Susitna valleys; with a bibliography (38 items). *Copy seen:* DA.

203. ALBERTSON, NILS. *Rhytidium rugosum* (Hedw.) Lindb. i Fennoscandia. (Svensk botanisk tidskrift, 1940. Bd. 34, häfte 2, p. 77-100, illus. text map) *Title tr.:* *Rhytidium rugosum* (Hedw.) Lindb. in Fennoscandia.

Contains critical notes on *Rhytidium rugosum* and study of the distribution of this moss in Fennoscandia, with an extensive list of localities, p. 89-97, including Swedish and Finnish Lapland and arctic Norway (Nord Trøndelag, Nordland, Troms and Finnmark); bibliography (63 items).

Copy seen: MH-A.

204. ALBRECHT, C. J. Arctic adventure with a camera. (Popular mechan-

ies, Aug. 1949. v. 92, no. 2, p. 125-29, illus.)

Random notes of a professional photographer and collector for natural history museums, on the dangers and interest of his work in the Arctic, with remarks on cameras.

Copy seen: DLC.

205. ALBRIGHT, W. D. Crop growth in high latitudes. (Geographical review, Oct. 1933. v. 23, p. 608-620, illus., sketch map)

Discussion of the factors involved in northern plant growth: day length, temperature, influence of open water, soil temperature, permafrost, and resistance of plants to cold.

Copy seen: DLC.

206. ALBRIGHT, W. D. Gardens of the Mackenzie. (Geographical review, Jan. 1933. v. 23, p. 1-22, illus., sketch map)

Observations made by the author on a visit in 1930, to the experimental substations conducted by the Catholic missions along the river, to report upon extending experimental work, and to make an agricultural reconnaissance for the Canadian Dept. of Agriculture, Director of Experimental Farms.

Contents include a section, "Beyond the sixtieth parallel", which describes gardens at Great Slave Lake, along the Liard River, and on the banks of the Mackenzie from Wrigley to the delta.

Copy seen: DLC.

ALBRIGHT, W. D. *See also* Bethune, W. C., & others. Canada's western northland. 1937.

207. ALCOCK, FREDERICK JAMES, 1888-. The Churchill River. (Geographical review, Dec. 1916, v. 2, p. 433-48, illus., sketch map.)

Contains material on early history and exploration, modern exploration, the inhabitants (Crees and Chipewyans) and (in brief) the fauna and vegetation of the region.

Copy seen: DLC.

208. ALCOCK, FREDERICK JAMES, 1888-. Geology and physiography. (*In:* Bethune, W. C., and others. Canada's western northland, 1937. p. 145-60, illus., double-face map.)

Succinct description of the general and economic geology of the Canadian Shield, cordilleran region, interior plains, and arctic archipelago.

Copy seen: DLC.

209. ALCOCK, FREDERICK JAMES, 1888-. A local occurrence of differentiation in granite on the Churchill River, northern Manitoba, Canada. (Royal Society of Canada. Transactions, 1920. Ser. 3, v. 14, sec. 4, p. 31-33)

Description of outcrop on the north bank of the river, twenty-five miles above the mouth of Little Churchill River.

Copy seen: DLC.

210. ALCOCK, FREDERICK JAMES, 1888-. Past and present trade routes to the Canadian Northwest. (Geographical review, Aug. 1920. v. 10, p. 57-83, illus., sketch map)

History of penetration by Hudson's Bay Company and other traders, their means of transportation, and routes, which include the Hayes River. Largely concerns the Prairie Provinces.

Copy seen: DLC.

211. ALDINGER, HERMANN. Das ältere Mesozoikum Ostgrönlands. (Geologische Rundschau, 1937. Bd. 28, p. 124-27) *Title tr.:* The lower Mesozoic of East Greenland.

Discussion of the paleogeographic relationship between East Greenland and Europe, with reference to the work of Lauge Koch, Wegener and others.

Copy seen: DGS.

212. ALDINGER, HERMANN. Das Alter der jungpaläozoischen Posidonomyaschiefer von Ostgrönland. København, C. A. Reitzel, 1935. 24 p., tables. (Meddelelser om Grønland. Bd. 98, nr. 4) *Title tr.:* Age of upper Paleozoic Posidonomya shales from East Greenland.

Discussion, based on investigations made by the Danish Three-Year Expedition, 1931-34, of the stratigraphy of five localities in East Greenland (71°45'-74°30'N.); with correlations; bibliography (42 items).

Copy seen: DLC.

213. ALDINGER, HERMANN. Geologische Beobachtungen im oberen Jura des Scoresbysundes (Ostgrönland). København, C. A. Reitzel, 1935. 128 p., illus., tables. 3 fold. maps. (Meddelelser om Grønland. Bd. 93, nr. 1) *Title tr.:* Geological observations of the upper Jurassic of Scoresby Sound, East Greenland.

Discussion, based on investigations made during the Danish Three-Year Expedition, 1931-34, of the stratigraphy, morphology and structure of the

southern and eastern coast of Jameson Land, and the east coast of Milne Land; paleogeographical development of the region. Bibliography (about 75 items).

Copy seen: DLC.

214. ALDINGER, HERMANN. Die geologische und palaeontologische Bedeutung der permischen Ganoidfische Ostgrönlands. (In: Naturforschende Gesellschaft Schaffhausen. Grönland 1939. *Pub.* in its: Mitteilungen, 1940, *pub.* 1939. Bd. 16, p. 165-66) *Title tr.:* The geological and paleontological significance of the Permian ganoid fishes of East Greenland.

Brief note on systematics and genetics of the ganoid fishes and problems connected with their study.

Copy seen: DGS.

215. ALDINGER, HERMANN. Permische Ganoidfische aus Ostgrönland. København, C. A. Reitzel, 1937. 392 p. illus. and atlas of 44 fold. plates. (Meddelelser om Grønland. Bd. 102, nr. 3) *Title tr.:* Permian ganoid fishes from East Greenland.

Results of Three-Year Expedition to Christian X Land, 1931-34, under Lauge Koch. Paleontological study of finds from Posidonomya shales in the vicinity of Cape Stosch (northwestern part of Hold with Hope.) Includes discussion of the age of the fauna; description of ten (including seven new) species; a study of their comparative relationships, development and taxonomy, and a bibliography (208 items).

Copy seen: CaMAL.

216. ALDINGER, HERMANN. Über einen Eugnathiden aus der unteren Wolgastufe von Ostgrönland. København, C. A. Reitzel, 1932. 51 p. illus. (incl. map) 3 plates. (Meddelelser om Grønland. Bd. 86, nr. 4.) *Title tr.:* On an Eugnathid from the lower Volga layer of East Greenland.

Results of the East Greenland Expeditions to King Christian X Land, 1926-27, and 1929-30, under the leadership of Lauge Koch. Describes the fossil fish remains collected by Dr. A. Rosenkrantz, 1926-27, near Cape Leslie, Milne Land, Scoresby Sound, with detailed description of the bones of *Caturus groenlandicus* n. sp., a Jurassic fish; with a bibliography (85 items).

Copy seen: DGS; DLC.

217. ALDRICH, HERBERT L. Arctic Alaska and Siberia, or, Eight months

with the arctic whalemén. Chicago and New York, Rand McNally & Co., 1889. x, 11-234 p. incl. front. (fold. map) illus., 23 plates.

Based on the author's cruise with the whaling fleet of 1887 in Bering Sea and the Arctic Ocean to Point Barrow. A popular account of life aboard a whaler, privations and hardships, wrecks and disasters in northern whaling; description of the Chukchis encountered along Bering Sea shores, and of the North Alaska Eskimos.

Copy seen: DLC; NNStef.

218. ALDRICH, JOHN MERTON, 1866-1934. Entomological expedition to Alaska. (Smithsonian Institution. Miscellaneous collections, v. 72, no. 15. Explorations and field-work of the Smithsonian Institution in 1921 *pub.* 1922. p. 52-63, illus.)

Report on the author's trip in summer 1921, collecting about 10,000 specimens of insects representative of fauna of the interior: in the Anchorage, Healy, Nenana and Fairbanks areas. Remarks on the faunal regions and (in general) on the insects collected.

Copy seen: DLC.

219. ALDRICH, JOHN MERTON, 1866-1934. Two-winged flies of the genera *Dolichopus* and *Hydrophorus* collected in Alaska in 1921, with new species of *Dolichopus* from North America and Hawaii. Washington, 1922. 18 p. (U. S. National Museum. Proceedings. v. 61, art. 25)

Notes on twenty-nine species with details on specimens of several species new to Alaska; full description of five new species from that region and of one from Labrador.

Copy seen: DLC.

ALDRICH, JOHN MERTON, 1866-1934. See also Van Duzee, M. C. Notes and descriptions of two-winged flies. 1924.

ALDRICH, PELHAM. See Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

220. ALEEV, V. R. Piksha Barentsova moria. (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoz'iaistva i okeanografii. Trudy, 1944. Vyp. 8: Promyslovye donnye ryby Barentsova moria, p. 187-233, maps, tables, diagrs.) *Title tr.:* The haddock of the Barents Sea.

Study of Barents Sea fishing and the biology of haddock, with statistical data on catches, sizes, rate of growth, spawning and migrations; bibliography, p. 231-32.

Summary in English.

Copy seen: DLC.

221. ALEEV, V. R. Rasprostranenie sel'di v iuzhnoi chasti Barentsova moria v sviazi s gidrologicheskimi usloviiami. (Murmansk. Poharnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. Vyp. 1, p. 120-33, fold. diagr.) *Title tr.:* The distribution of the herring in the southern part of the Barents Sea in connection with the hydrological conditions there.

Study of seasonal changes in the distribution of Barents Sea herring, with a diagram indicating the approximate monthly areas of migration, temperature changes, currents, etc., as factors in the migration and distribution of herring.

Summary in English.

Copy seen: DLC.

222. ALEEV, V. R. Vtoroi reis traulera "Del'fin." (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1925. Vyp. 23: Tralovye raboty Severnoi nauchno-promyslovoi ekspeditsii v Severnom Ledovitom okeane v 1920-21 gg., p. 45-47) *Title tr.:* The second trip of the trawler *Del'fin*.

Brief account of a fishing trip in Barents Sea in Oct. 1920, for the Northern Scientific and Economic Expedition, 1920-25, with notes on the fish caught and temperatures of the sea water at various depths.

Summary in English, p. 71.

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223. ALEKSANDROV, D. K. Istoriia geologicheskikh issledovaniu Taymyra i priliegaiushchikh oblastei Sibiri. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 121, p. 9-12, fold. map) *Title tr.:* History of geological explorations of Taymyr and adjoining regions.

Chronological review of the progress of geological exploration of Taymyr Peninsula, with geological map, 1:200,000, at end of volume.

Copy seen: DLC.

224. ALEKSANDROV, D. K. Materialy po geologii raiona Ust'-Eniseiskogo

Porta. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 126, p. 89-111, illus., fold. map) *Title tr.:* Materials on geology in the region of Ust'-Yenisey Port.

A geological study in Yenisey River basin, covering the area 69°08'-69°40'N. and 83°31'-85°E., based on a survey made for the Arctic Institute of U.S.S.R., 1936; with information on local sources of natural gases and of potential soil deposits.

Copy seen: DLC.

225. ALEKSANDROV, D. K. Mezozoi nizov'ev reki Eniseia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 121, p. 43-46) *Title tr.:* Mesozoic deposits of lower Yenisey River.

A general sketch, with a geological map, 1:200,000 at end of volume.

Copy seen: DLC.

226. ALEKSANDROV, D. K. Tektonika iuzhnogo kryla Efremovskogo podniiia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 121, p. 71-74) *Title tr.:* Tectonics of the southern wing of the Efremovsk Elevation.

Sketch of the geological structure in Taymyr Peninsula, with a geological map, 1:200,000, at the end of volume.

Copy seen: DLC.

ALEKSANDROV, D. K. See also Lfutevich, E. M., & D. K. Aleksandrov. Paleozoi Karskogo poberezh'ia. 1939.

227. ALEKSANDROV, S. V. Opyty vyrashchivaniia ovoshchei i tsvetov na ostrove Diksone. (Sovetskaia Arktika, 1938, no. 7, p. 68-73, illus., tables) *Title tr.:* Experiments in vegetable and flower growing on Dikson Island.

Results of experiments carried out under the author's supervision in 1936 and 1937.

Copy seen: DLC.

228. ALEKSANDROV, S. V., and B. G. KHARITONOVICH. Ovoshchevodstvo na Diksone. (Sovetskaia Arktika, 1937, no. 1, p. 76-79, illus.) *Title tr.:* Vegetable growing on Dikson Island.

Results of experiments in raising vegetables in hot houses and open ground on the island in 1936.

Copy seen: DLC.

229. ALEKSANDROVA, V. D. Kormovaiia kharakteristika rastenii Krainego Severa. Leningrad, Izd-vo Glavsevmorputi [etc.] 1940. 94, [2] p. (Leningrad,

Nauchno-issledovatel'skii institut po liarnogo zemledeliia zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenovodstvo, 1940. Vyp. 11) **Title tr.:** Forage characteristics of the plants in the far North of the U.S.S.R.

Contains descriptions of 396 species of forage plants collected for the Institute of Polar Agriculture, Animal Husbandry and Fishing and Hunting Industry; with index of Latin and Russian names of the plants, and bibliography. **Copy seen:** DLC.

230. ALEKSANDROVA, V. D. Letnii korm oleni na Gusinoi Zemle (Novaia Zemlia). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 22, p. 35-50) **Title tr.:** Summer food of the reindeer on Gusinaya Zemlya (Novaya Zemlya).

Scientific results of the Biological Expedition to Novaya Zemlya, 1931-1934, no. 3, giving results of investigations in 1931 of the geobotanical party. A detailed study of the summer food of reindeer on this southwestern peninsula of Novaya Zemlya, between 71°28' and 72°10'N.; characteristics of reindeer pastures on Novaya Zemlya as compared with those on the continent; list of 59 edible plants (Russian and Latin names), showing their distribution and value as fodder; relation between herbs, lichens and mosses in reindeer forage and its seasonal fluctuation in spring, summer and autumn, based on direct observation and on analysis of stomach contents of reindeer. Bibliography (11 items).

Summary in English.

Copy seen: DLC.

230A. ALEKSANDROVA, V. D. O nakhozhdenii na Novoi Zemle *Sieversia glacialis*. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935, T. 22, no. 3, p. 51-54, illus., sketch-map) **Title tr.:** On the finding of *Sieversia glacialis* R. Br. on Novaya Zemlya.

Scientific results of the Biological Expedition to Novaya Zemlya, 1931-1934, no. 3: account of a new species of herb for Novaya Zemlya found on the Kara Sea coast in 1932 by the geobotanical party of this expedition. Discussion of the find as evidence of the existence "side by side with the migration of the flora to Novaya Zemlya across Vaygach and Spitsbergen, in the post-glacial period, of a third route of

migration, namely directly from East-Siberia".

Summary in English.

Copy seen: DLC.

231. ALEKSANDROVA, V. D. O zimnem pitanii domashnego oleni na Novoi Zemle. (Sovetskoe olenovodstvo, 1937. Vyp. 9, p. 127-39, tables) **Title tr.:** Winter forage of reindeer on Novaya Zemlya.

Summary in English.

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232. ALEKSANDROVA, V. D. Olenovodstvo na Novoi Zemle i perspektivy ego razvitiia. (Problemy Arktiki, 1937, no. 2, p. 71-87, tables, map) **Title tr.:** Reindeer breeding on Novaya Zemlya and the prospects of its development.

Based on studies conducted by the Arctic Institute U.S.S.R. in 1930-35.

Summary in English.

Copy seen: DLC.

233. ALEKSANDROVA, V. D. Tundry pravoberezh'ia reki Popigai. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 63, p. 181-207, illus.) **Title tr.:** Tundra of the right bank of the Popigay River.

Study for the Reindeer Dept. of the Arctic Institute, U.S.S.R. along this river flowing westward into Khatanga Bay at about 72°54'N. 106°20'E. Description of vegetation from viewpoint of reindeer fodder and a list of forage plants.

Copy seen: DLC.

234. ALEKSANDROVA, V. D., and A. I. ZUBKOV. Fiziko-geograficheskii ocherk Novoi Zemli. (Mezhdunarodnyi geologicheskii Kongress. 17 sessiia, SSSR, 1937. Novozemel'skaia ekskursiia. Leningrad, 1937. Chast' 1, p. 29-75, illus., tables, fold. map) **Title tr.:** Physico-geographical sketch of Novaya Zemlya.

General description of the island; climate; vegetation (age and geographical distribution of the flora, botanical zones, arctic deserts); animal life (land and marine mammals, birds, fishes); population and industries (history of colonization, economic and cultural development after the October Revolution, recent state of sealing, fishing, fur industries, and reindeer breeding).

Map: geographical distribution of vegetation.

Tables: meteorological data from four stations: Cape Zhelaniya, Rus-

skaya Gavan' (Oct. 1932-June 1936) Matochkin Shar (Oct. 1923-June 1936), and Malyy Karmakuly (Jan. 1922-July 1935); data on mean monthly air temperatures, absolute minimum and maximum air temperatures, wind velocity, recurrence of calms, severity of weather, relative humidity of the air, cloudiness, precipitation, number of days with rain and those with snow (p. 68-74).

Also published in English as Zubkov, A. I., and V. D. Aleksandrova, Physico-geographical sketch (etc. as above), q.v.

Copy seen: DLC; NN.

ALEKSANDROVA, V. D. See also Zubkov, A. I., & V. D. Aleksandrova. Physico-geographical outline Novaya Zemlya. 1937.

235. ALEKSEENKO, M. I. Novye vidy roda *Schivereckia* Andr. (Akademiia nauk SSSR. Botanicheskii institut imeni V. L. Komarova. Botanicheskie materialy gerbariia, 1946. T. 9. Vyp. 4-12, p. 215-31, illus.) **Title tr.:** New species of the genus *Schivereckia* Andr.

Contains a key to four new species of *Schivereckia*, a comparative study with descriptions, including *S. kuznezovii* native to the Omsk region.

Copy seen: MH-A.

236. ALEKSEEV, A., and N. ZHUKOV. L'dy tsentral'noi chasti poliarnogo basseina. (Sovetskaiia Arktika, 1938, no. 5, p. 33-36, illus.) **Title tr.:** Ice of the central part of the polar basin.

Description of ice observed during flights and landings by pilots of the North Pole Expedition in 1937; and comparison with similar observations of previous explorers.

Copy seen: DLC.

237. ALEKSEEV, A. D. Tekhnicheskoe snariazhenie samoletov poliarnykh ekspeditiia. (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 425-36, illus.) **Title tr.:** The technical equipment of airplanes for polar expeditions.

Discussion of problems relating to the equipment of airplanes for arctic flights: the type of airplane, the construction of starter, the fuel and oil supply system, the anchors for hydroplanes, the nautical instruments and radio equipment.

Copy seen: DLC.

238. ALEKSEEV, G. Ledovaiia aviarazvedka na Severnom morskoi puti. (So-

vetskaiia Arktika, 1938, no. 8, p. 49-50)

Title tr.: Ice scouting on the Northern Sea Route.

Discussion of measures necessary to improve aerial observations of ice conditions of Soviet arctic seas.

Copy seen: DLC.

239. ALEKSEEV, M. P. Skazaniia inostrantsev o Rossii i nenetskii epos. (Sovetskaiia etnografiia, 1935, vyp. 4-5, p. 153-59) **Title tr.:** Tales of foreigners about Russia and the Nenets epos.

Contains abstracts from foreigners' writings about Russia which assert, in reference to the Samoyed mode of life, that these people die every year and are resurrected the next spring—variant of the idea found in Samoyed folklore.

Copy seen: DLC; DSI-M.

240. ALEKSEEV, N. M. Etnograficheskaia rabota v Iakutii. (Sovetskaiia etnografiia, 1947, vyp. 3, p. 159-60) **Title tr.:** Ethnographical work in Yakutia.

Contains a short survey of the work on the ethnology of the Yakuts, undertaken by the Institute of Language and History of the Yakut A.S.S.R., which revived the national "kumiss" festival, and has been active in preparing a series of publications, in field work and in conferences.

Copy seen: DSI-M; NN.

241. ALEKSEEV, N. M. Predanie o predkakh iakutov Oiunovskogo roda Viliuiskogo okruga. (Vsesoiuznoe geograficheskoe obshchestvo, Vostochno-Sibirskii otdel. Iakutskaiia sektsiia. Ocherki po izucheniiu iakutskogo kraia. Irkutsk, 1927. Vyp. 1, p. 9-15, diag.) **Title tr.:** The tradition about the ancestors of the Yakuts of the Oiunovskii clan of the Viliuy region.

Contains a translation into Russian of a traditional story of the origin of the Oiunovskii clan, as recorded from an illiterate Yakut, F. P. Kryzhanovskii, whose genealogy is added.

Copy seen: NN.

242. ALEKSEEV, NIKOLAI NIKOLAEVICH. Ekspeditiia gidrograficheskogo sudna "Toros" v arkhipelag Nordenshel'da v 1926-37 godu. (Problemy Arktiki, 1938, no. 1, p. 78-84, illus., maps) **Title tr.:** Expedition of the hydrographic vessel *Toros* to Nordenskiöld Archipelago.

A description of the *Toros* expedition 1936-37, to these islands in Kara Sea (about 77°N. 94°E.)

Copy seen: DLC.

243. ALEKSEEV, NIKOLAI NIKO-LAEVICH. K materialam o techeniakh v prolive Źugorskii Shar. (Severnii morskoi put', 1935. No. 2, p. 51-53) *Title tr.*: On currents in the Yugorskii Strait.

Results of observations, Aug.-Sept., 1934, with tabular data on directions and average speed of currents in the strait.

Summary in English.

Copy seen: DLC.

244. ALEKSEEV, NIKOLAI NIKO-LAEVICH. K ostrovam Vrangeli i Gerai'da na p/kh "Sovet". (Severnii morskoi put', 1936. No. 5, p. 22-72, illus., maps, diagrs.) *Title tr.*: To Wrangel and Herald Islands aboard the steamer *Soviet*.

Description of several voyages to the region, the drift of the S.S. *Soviet* in Chukchi Sea, a report on its oceanographic (including deep sea) observations, also data on winds and ice conditions.

Summary in English.

Copy seen: DLC.

245. ALEKSEEV, NIKOLAI NIKO-LAEVICH. K voprosu ob organizatsii gidrograficheskikh rabot na zimovkakh. (Severnii morskoi put', 1939. No. 14, p. 70-76, illus., diagr.) *Title tr.*: On the problem of the organization of hydrographic work in wintering stations.

Discussion on the timing and organization of work under conditions of arctic winters and a description of methods of snowhouse building.

Copy seen: DLC.

246. ALEKSEEV, NIKOLAI NIKO-LAEVICH. Zimovka gidrograficheskogo otriada na g/s "Toros" v arhipelag Nordenshel'da v 1936-37 godu. (Severnii morskoi put', 1938. No. 9, p. 104-106, illus.) *Title tr.*: Wintering of the surveying party on H.S. "Toros" on the Nordenskiöld Archipelago in 1936-1937.

A short account of the voyage and of the work done during the wintering period.

Copy seen: DLC.

247. ALEKSEEV, NIKOLAI NIKO-LAEVICH. Zimovka na "Torose". Leningrad, Izd-vo Glavsevmorputi, 1939. 274, [2] p. illus., maps (1 fold.) *Title tr.*: Wintering on the *Toros*.

Popular account of the voyage of the survey ship *Toros* in 1936-37 for inves-

tigation on the Northern Sea Route. Includes description (with diagrams) of the ship, especially built for arctic exploration (p. 7-10), its equipment and the voyage in Barents and Kara Seas. Notes the inspection of relics (apparently of V. A. Rusanov's expedition on the *Hereules* 1912-13) found on Popova-Chukchina Island (74°57'N. 87°19'E.) (p. 62-64); the wintering of the *Toros* frozen in at Ledyanaya Bay (about 76°10'N. 95°16'E.) on Bonevi Island in Nordenskiöld Archipelago; winter work of the party, trips for investigation of nearby regions, and the voyage back to Arkhangel'sk.

Maps include a folded map (scale approx. 1 in.: 10 km.) of the southern part of the Nordenskiöld Archipelago (Taymyr Island and adjoining islands) summing up the investigations of this and other expeditions.

Copy seen: DLC.

248. ALESHKOV, A. N. Dunito-peridotitovye massivy Poliarnogo Urala. Leningrad, 1929. 3 p. l., 120 p. illus., fold. map (Akademii nauk SSSR. Kommissiia ekspeditsionnykh issledovaniil. Materialy, vyp. 18 Seriiia ural'skaiia) *Title tr.*: The dunito-peridotite massifs of the Polar Ural.

A petrographic investigation based on material collected by the North-Ural Expedition of the Academy of Sciences, 1924-28; with bibliography, p. 114-115, and a geological map, 1:400,000.

Summary in English.

Copy seen: DGS; DLC.

249. ALESHKOV, A. N. Geologicheskii ocherk raiona gory Neroiki. (Akademii nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. [Trudy] 1937. Seriiia ural'skaiia, vyp. 6: Pripoliarnyi Ural, p. 3-55, illus.) *Title tr.*: Short geological description of the Neroyka Mount region.

Report on geography and petrology of the Mount Neroyka (64°33'48"N. 59°33'22"E.) region, based on observations made during the Northern Ural Expedition of the Academy of Sciences U.S.S.R., 1934.

Summary in English.

Copy seen: DLC.

250. ALESHKOV, A. N. Geologicheskii ocherk raiona Sura-iz. (Akademii nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. [Trudy] 1937. Seriiia

ural'skaia, vyp. 6: Pripoliarnyi Ural, p. 57-89, illus.) *Title tr.*: Short geological description of the Sura-iz Mountain region.

Geology and petrology of this region (65°10'N. 66°20'E.) of the Northern Ural Mountains based on several field trips by the author.

Summary in English.

Copy seen: DLC.

251. ALESHKOV, A. N. Geologicheskii ocherk zolotonosnogo raiona Liapinskogo kraia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 74, p. 83-108, illus. (incl. maps), plate) *Title tr.*: Short geological description of gold-bearing region in Liapinsky district.

Data on stratigraphy and petrology in the basin of the Lyapin River (64°7'-64°40'N., 60°-61°E.) with bibliography.

Summary in English.

Copy seen: DLC.

252. ALESHKOV, A. N. Gora Sablia i ee ledniki. (In: Ural; pripoliarnye raiony, 1935, p. 56-74, illus., 2 maps) *Title tr.*: Mount Sablya and its glaciers.

Results of the exploration of Mount Sablya by the Glaciological Expedition to the Urals, 1932-33, containing a description of its topography, geology and glaciers.

Summary in English, p. 295-98.

Copy seen: DLC.

253. ALESHKOV, A. N. Gornye porody raiona gory Narodnoi. (In: Ural, pripoliarnye raiony, 1935, p. 87-115, illus.) *Title tr.*: Rocks in the region of Mt. Narodnaya.

A geological description based on the author's observations made in 1927, 1929, 1932-33, and a petrologic study of his collection of rocks (also collections of S. G. Boch, of 1933).

Summary in English, p. 299-302.

Copy seen: DLC.

254. ALESHKOV, A. N. Liapinskiĭ kraj. (Akademii nauk SSSR. Komissia ekspeditsionnykh issledovaniĭ. Materialy, 1929. Vyp. 7, seriia ural'skaia. Severnyi Ural, p. 33-74, illus.) *Title tr.*: Lyapin River region.

A general description of the route, and the observations of the Northern Ural Expedition of the Academy of Sciences U.S.S.R., 1927, in this river basin east of the Urals (about 64°35'N. 62°E.) with a map at end.

Summary in German.

Copy seen: DLC.

255. ALESHKOV, A. N. O nagornykh terrasakh Urala. (In: Ural; pripoliarnye raiony, 1935, p. 271-92, illus.) *Title tr.*: The haute terraces of the Urals.

Description of the plateau formations in the northern Urals, based on author's observations made in 1924-1928 and 1932; a discussion of the origin of these formations with reference to the period of glaciation.

Summary in English, p. 308-310.

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256. ALESHKOV, A. N. Obzor deiatel'nosti Ural'skoi lednikovoi ekspeditsii i kharakteristika Narodno-Sabel'nogo raiona. (In: Ural; pripoliarnye raiony, 1935, p. 5-25, illus., map) *Title tr.*: A review of the activities of the Glaciological Expedition to the Urals, with a characteristic of the region of Mts. Narodnaya and Sablya.

Report on the work of the expedition of 1932-33, organized by the U.S.S.R. Committee of the Second International Polar Year, in the northern regions of the Ural Mts. Includes information on glaciers surveyed and a physico-geographical, geological, and geomorphological sketch of the mountains.

Summary in English, p. 293-94.

Copy seen: DLC.

257. ALESHKOV, A. N. Ein rezentzer Gletscher im nördlichen Ural. (Zeitschrift für Gletscherkunde, 1930. Bd. 18, p. 57-62, illus.) *Title tr.*: A recent glacier in the northern Urals.

Detailed description of the Hofmann Glacier in the Sablya range of the Urals, between 64°-65°N.

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258. ALESHKOV, A. N. V severnoi chasti pripoliarnogo Urala. (In: Ural; pripoliarnye raiony, 1935, p. 150-76, illus., map) *Title tr.*: In the northern part of the subpolar Ural.

Notes from a trip from Mt. Narodnaya along the Ural ridge to the headwaters of the Lyapin River, (65°-65°40'N.) by a party of the Glaciological Expedition to the Urals, 1932-33. Includes sketch of the general geography, the glaciation, climate, geological structure and petrology.

Summary in English, p. 303-304.

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259. ALEXANDER, ALVIN BURTON, 1854- , and H. B. JOYCE. Preliminary examination of halibut fishing grounds of the Pacific coast, by A. B. Alexander, with introductory notes on the halibut fishery, by H. B. Joyce. Washington, U. S. Govt. Print. Off., 1912. 56 p. tables. (U. S. Fish and Wildlife Service. Report of the Commissioner of Fisheries, 1911. Special paper no. 5. Fisheries document no. 763)

Results of a cruise of the *Albatross*, May-Aug. 1911, in the waters of Southeast Alaska, and Prince William Sound, westward to Kodiak, Shumagin Islands, and Akutan Island of the eastern Aleutians.

Results of trials are discussed for each locality, with tables showing depths, character of bottom, air and sea-surface temperatures, bait, size and weight of halibut, and remarks on other fishes caught. *Copy seen:* DF.

ALEXANDER, ALVIN BURTON, 1854- . See also Drake, F. J. Report *Albatross*. 1895. 1896.

ALEXANDER, ALVIN BURTON, 1854- . See also Tanner, Z. L., & others. Explorations fishing grounds. Alaska, *Albatross* 1888. 1890.

ALEXANDER, ANNIE M. See Grinnell, J., & others. Birds & mammals, 1907 Alexander expd. 1909.

ALEXANDER, ANNIE M. See also Grinnell, J. Birds 1908 Alaska Expd. 1910.

ALEXANDER, ANNIE M. See also Heller, E. Mammals of 1908 Alexander Alaska Expd. 1910.

ALEXANDER, ANNIE M. See also Swarth, H. S. Birds & mammals Alaska 1909. 1911.

260. ALEXANDER, ANTON, 1870- . Observations astronomiques faites au Spitzberg par l'Expédition Isachsen 1909-1910, et calculées par Anton Alexander. Christiania, J. Dybwad, 1912. 16 p. incl. tables. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelige klasse, 1911. No. 19) *Title tr.*: Astronomical observations made on Spitzbergen by the Isachsen Expedition, 1909-1910. Issued also as: Norske Spitzbergenekspeditionen, 1909-1910. Résultats scientifiques, 1916. T. 1, no. 5.

Contains results of determinations of geographic position on King's Bay, Prince Charles Foreland, Red Bay, Reindeer Peninsula, Port Ebeltoft, and Points Ekholm and Sabine; with a few data on magnetic declination and azimuths for some of these points.

Copy seen: DLC.

261. ALEXANDER, CHARLES PAUL, 1889- . The crane-flies collected by the Canadian Arctic Expedition, 1913-1918. (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3. Insects, Pt. C, p. 3-30, incl. 6 plates)

List with descriptions and localities of sixteen (including thirteen new) species of adult flies, and a description of six larval stages with a discussion of the biological data.

Copy seen: DSI-M.

262. ALEXANDER, CHARLES PAUL, 1889- . The crane-flies (super-family Tipuloidea, order Diptera). Kristiania, 1922. 16 p. illus. (Norske Novaja Semlja ekspedisjon, 1921. Report of scientific results. No. 5) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

Description of six species (three new) with a general discussion and a bibliography covering crane flies throughout the Arctic.

Copy seen: DLC.

263. ALEXANDER, CHARLES PAUL, 1889- . Diptera, families Tipulidae and Rhyphidae. (In: Preble, E. A., and others. A biological survey of the Pribilof Islands, Alaska, 1923. p. 159-69, 2 plates).

Descriptions of five new and one indeterminate species of crane flies from the Pribilof Islands.

Copy seen: DF;DLC.

264. ALEXANDER, CHARLES PAUL, 1889- . Entomologische Ergebnisse der schwedischen Kamchatka - Expedition 1920-1922. 12. The Tipulidae. [Stockholm, 1927]. 10 p. illus. (Arkiv för zoologi. Bd. 19A, no. 9) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22, 12.

Systematic list, with localities, of thirteen (including with descriptions, four new) species of crane flies.

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265. ALEXANDER, CHARLES PAUL, 1889- , and T. G. MÜNSTER. Report of the Second Norwegian Arctic Ex-

pedition in the "Fram," 1898-1902. The crane-flies. Coleoptera, supplement. (Norsk entomologisk tidsskrift, 1923, pub. 1924. Ed. 1, p. 296-97).

Contents: Alexander, C. P. The crane-flies (Tipulidae, Diptera) (two species, found on Ellesmere Island, and one on West Greenland).

Münster, T. G. Coleoptera, supplement. (Note on three species of beetles, and probability of their being transported on the vessel)

Copy seen: DA.

ALEXANDER, CHARLES PAUL, 1889-. See also Crosby, C. R., & others. Spiders & insects Southampton island, 1934.

ALEXANDER, CHARLES PAUL, 1889-. See also Preble, E. A., & others. Biological survey of Pribilof Islands. 1923.

266. ALEXANDER, FRED A. A medical survey of the Aleutian Islands (1948). (New England journal of medicine, June 30, 1949. v. 240, p. 1035-40).

Notes on the early health beliefs and practices of the Aleuts, and data on the present health status of one hundred seventeen natives, including blood pressure, diseases, disorders, dental status, diet, and blood types; based on the author's observations in 1948 as a member of the Harvard University Peabody Museum expedition to Umnak and Atka Islands.

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267. ALEXANDER, PHILIP FREDERICK. The North-West and North-East passages 1576-1611. Cambridge [Eng.] University Press, 1915. 4 p. l., [x]-xix, [1], 211 p. front., illus. (incl. maps). (Cambridge travel books)

Contents: Introduction. Some important dates in the history of discovery. The Northwest Passage: Frobisher, First voyage (1576); Frobisher, Second voyage (1577); Davis, First voyage (1585); Davis, Second voyage (1586); Davis, Third voyage (1587); Hudson, Last voyage (1610). The Northeast Passage: Barents, Third voyage (1596); Appendix to the third voyage of Barents. Notes.

Copy seen: DLC; NNStef.

268. ALEXANDER, S. E. The voyage of the "Snowbird II." (Arctic, Sept. 1949. v. 2, p. 90-97, illus., sketch chart)

Account of the trip of the converted U. S. Navy landing ship medium, *Snowbird II*, from Vancouver, B. C. to Cambridge Bay, Victoria Island, 1948, to supply the Royal Canadian Mounted Police post there. Describes special features of the ship, and her movements in the ice of Beaufort Sea and Canadian straits, aided by air reconnaissance.

Copy seen: CaMAI; DLC.

269. ALEXANDER, STEPHEN 1806-1883, and others. Report to the Superintendent of the United States Coast Survey on the expedition to Labrador to observe the total eclipse of July 18, 1860, organized under act of Congress approved June 15, 1860. (U. S. Coast and Geodetic Survey. Annual report, 1860, pub. 1861. Appendix 21. p. 229-75, fold. diagr.) Report of the astronomer in charge of the expedition.

Contains: Alexander, S. Account of the establishment of the station on Aulezavik Island and statement of program; synopsis of the observations. Barnard, F. A. P., E. D. Ashe, C. S. Venable, and A. W. Smith. Reports on the eclipse (including notes on earth temperatures, atmospheric electricity, icebergs, snow, etc., mirage, rainbow, and auroras). Tables of meteorological and geomagnetic observations, with discussion and data for longitude by chronometers.

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269A. ALFEROV, B. A. Geological description of the south-western coast of Novaya Zemlya. (Kostin Shar-Chernaya Gulf). (In: Samoilovich, R. L., and M. M. Ermolaev, editors. The Novaya Zemlya excursion, 1937. Pt. 2, p. 5-31, fold. map. Pub. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guidebooks for the excursions, 22])

Translation of his *Geologicheskii ocherk yugozapadnogo poberezh'ia Novoi Zemli (Kostin Shar-Guba Chernaya)*, 1937, q. v.

Copy seen: DLC.

270. ALFEROV, B. A. Geologicheskie issledovaniia v raione Kostina Shara (Iuzhnyi ostrov Novoi Zemli). Leningrad, 1935. 97 p. 2 fold. maps. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 26). *Title tr.:* Geological investigations in the region of Kostin Strait.

A study conducted for the Arctic Institute of U.S.S.R. in the summer of

1933, on the southern island of Novaya Zemlya, comprising a description of the Paleozoic stratigraphy, structural geology, and minerals, of which gypsum is the only deposit of economic interest.

Maps: (1) geological, (2) topographic, contour interval 20 meters, scale 1:200,000. Summary in English.

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271. ALFEROV, B. A. *Geologicheskii ocherk jugo-zapadnogo poberezh'ia Novoi Zemli* (Kostin Shar-Guba Chernaya). (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Novozemel'skaiia ekskursiia. Leningrad, 1937. Chast' 2, p. 5-32, fold. map) *Title tr.:* Geological description of the southwestern coast of Novaya Zemlya (Kostin Shar-Chernaya Gulf).

Geological characterization of the region (about 71°20'-70°40'N.) based on the work of Arctic Institute U.S.S.R. expeditions 1933-34, under the author's leadership. History of investigations, stratigraphy, tectonics, and mineral resources.

Map (scale 1:40,000) shows cross section of Paleozoic deposits of the southwestern coast of Novaya Zemlya. Also published in English with title as above, q. v.

Copy seen: DLC; NN.

ALFEROV, B. A. *See also* Gorskii, I. I. *Nekotorye Coelenterata. 1935.*

272. ALFKEN, J. D. *Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 21. Apidae, excl. genus Bombus.* [Stockholm, 1929]. 8 p. (Arkiv för zoologi. Bd. 20A, no. 16). *Title tr.:* Entomological results of the Swedish Kamchatka Expedition, 1920-22, 21. Apidae, exclusive of the genus *Bombus*.

Contains a brief discussion of the geographic distribution of bees, and an annotated list of sixteen species and subspecies of bees, including descriptions of four new varieties.

Copy seen: DSI-M.

273. ALGÄRD, GÖRAN. Lapland's reindeer roundup. (National geographic magazine, July 1949. v. 96, p. 109-116, incl. illus.)

Annotated, colored photographic illustrations of Lapps.

Copy seen: DLC.

ALGER, RUSSELL, ALEXANDER, 1836-1907. *See* U. S. Congress. House,

Committee on Military Affairs. Relief of people in Yukon R. country. 1899.

274. ALIMOV, I. V. Dikson i Tiksi. (Sovetskaiia Arktika, 1938, no. 3, p. 42-48, illus.) *Title tr.:* Dikson and Tiksi.

Discussion of the unsystematic construction and inadequate work in Dikson and Tiksi harbors.

Copy seen: DLC.

275. ALIMOV, I. V. Nash rechnoi flot v 1936 godu. (Sovetskaiia Arktika, 1936, no. 5, p. 35-43, illus., tables) *Title tr.:* Our river fleet in 1936.

Plans of improvement and development of the river fleet controlled by the Main Administration of the Northern Sea Route in 1936.

Copy seen: DLC.

276. ALIMOV, I. V. Port Dikson nakannune navigatsii. (Sovetskaiia Arktika, 1939, no. 7, p. 39-46, illus.) *Title tr.:* Dikson harbor at the beginning of the navigation season.

Description of work on the harbor in 1938-39.

Copy seen: DLC.

277. AL'KOR (KOSHKIN), IA. P. Pis'mennost' narodov Severa. (Sovetskii Sever, 1931. No. 10, p. 102-121, tables) *Title tr.:* The written language of the peoples of the North.

Discussion of the problem of a written language for aborigines; linguistic groups in the Soviet North; efforts to create an alphabet based on their spoken languages, and having Russian or Latin characters. Data on vital statistics and literacy of northern aborigines; written languages in the experimental stage in 1931 (p. 115-17); and the Northern Peoples' Alphabet adopted by the All-Union Central Committee in 1931 (symbols indicated).

Copy seen: DLC.

278. AL'KOR (KOSHKIN), IA. P. Proekt alfavita evenkiiskogo (tungusskogo) iazyka. Leningrad, 1930. (Akademiia nauk SSSR. Komissiiia po izucheniiu iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1930. Vyp. 33) *Title tr.:* Projected alphabet of the Evenski (Tungus) language.

Discussion of phonetic and alphabetic problems, with two sample texts and a table of transliteration for the Cyrillic alphabet.

Copy seen: DLC.

279. AL'KOR (KOSHKIN), IA. P. V. G. Bogoraz-Tan. (Sovetskaiia etnografiia,

1935, vyp. 4-5, p. 5-31, 3 illus.) *Title tr.*: V. G. Bogoraz-Tan.

Contains biography and critical appraisal of the activity of V. G. Bogoraz on the occasion of his seventieth birthday. The role played by Bogoraz as the principal investigator of the Chukchis, shamanism, reindeer breeding, etc., is cited. Includes a partial bibliography of his works.

Copy seen: DLC; DSI-M.

280. AL'KOR (KOSHKIN), I. A. P. Zадachi kul'turnogo stroitel'stva na Krai-nen Severe. (Sovetskii Sever, 1934, no. 2, p. 22-35; no. 3, p. 45-50, illus.)

Title tr.: Problems of cultural development in the far North.

Discussion of cultural development of the aborigines from 1924 (establishment of the Committee of the North) to 1934; data on the percentage of illiterates, school children, number of elementary and boarding schools, publications in northern languages, and list of technical schools in the Soviet Arctic.

Copy seen: DLC.

281. ALLAN, ALLAN ALEXANDER, d. 1941. Gold, men and dogs, by A. A. ("Scotty") Allan. New York and London, G. P. Putnam's Sons, 1931. vii, 337 p. front. (port.) plates.

The author's story of his life in Alaska, from the days of the Gold Rush to the present; with chapters on care of dogs, dog driving, and racing.

Copy seen: DLC; NNStef.

ALLAN, SCOTTY. See Allan, Allan Alexander, d. 1941.

282. ALLAN, THOMAS, 1777-1833. Remarks on a mineral from Greenland, supposed to be crystallised gadolinite. (Royal Society of Edinburgh. Transactions, 1812. v. 6, p. 345-51)

Concerns rock specimens from West Greenland.

Copy seen: DLC.

283. ALLEMANDET, G. -H. Analyses des échantillons d'eau de mer recueillis pendant la Campagne du yacht "Princesse-Alice" en 1906 (kun esperanta tradusko). [Monaco, 1907.] 11 p. incl. 4 p. of tables. (Institut océanographique, Monaco. Bulletin no. 88) *Title tr.*: Analyses of water samples collected during the expedition of the *Princesse-Alice* in 1906 (with a translation in Esperanto).

The yacht cruised in Svalbard waters during July-August, and the author

tabulates here observational results on surface and vertical water temperature, density, salinity, halogens, chlorinity and freezing points, for some fiords and bays, August 4-24.

Copy seen: DF.

284. ALLEN, A. S. Yukon Territory, Alaska and Puget Sound; a general review of the mineral, lumber, shipping and industrial resources. [Seattle, Pacific Coast Steamship Co. 1902?] 72 p. incl. 45 of illus. and advertisements.

Information for tourists and prospectors.

Copy seen: NNStef.

284A. ALLEN, ARTHUR AUGUSTUS, 1885-. The curlew's secret. (National geographic magazine, Dec. 1948. v. 94, p. 751-70, incl. 8 p. of col. illus., sketch map)

Account of a cooperative expedition of Henry Kyllingstad and the author, under auspices of the Arctic Institute of North America and the National Geographic Society, to the lower Yukon River in summer 1948, for the purpose of discovering the nesting place of the bristle-thighed curlew; with notes on the tundra of Yukon Flats and its bird life.

Copy seen: DLC.

285. ALLEN, ARTHUR AUGUSTUS, 1885-. Some changes in the bird life of Churchill, Manitoba. (Auk, Jan. 1945. v. 62, p. 129-34)

Lists (based on the author's observations, June 1944) of species whose status seemed changed, or which were rare, and those not included in P. A. Taverner and G. M. Sutton: *The birds of Churchill, Manitoba*, 1934.

Copy seen: DSI-M.

286. ALLEN, ARTHUR AUGUSTUS, 1885-, and HENRY KYLLINGSTAD. The eggs and young of the bristle-thighed curlew. (Auk, Oct. 1949. v. 66, p. 343-50, illus., plate)

Results of the author's expedition in summer 1948, to explore for the nesting place of the bristle-thighed curlew. Description of its breeding range, in the tundra of the lower Yukon River, the nest, eggs, and downy young of the bird, with tabular data on plumage characteristic, and a bibliography (4 items).

Copy seen: DSI-M.

287. ALLEN, ARTHUR S. Under sail to Greenland; being an account of the voyage of the cutter "Direction" ... in

the summer of 1929, together with the log, letters and other memoranda. New York, Privately printed, 1931. 91, [1] p. 12 plates.

Narrative of a cruise in a small sailboat to Godthaab, and of a few weeks' sojourn there. The trip was also recorded in *N by E* by Rockwell Kent, q.v.

Copy seen: NNStef.

ALLEN, C. F. See Poulter, T. C., & others. Seismic measurements on Taku Glacier. 1949.

288. ALLEN, EDWARD WEBER, 1885-. Beyond three miles. (Alaska life, July 1939. v. 2, no. 3, p. 8-10, illus.)

Discussion of the threat to North American fish conservation, by Japanese encroachment in Alaskan waters.

Copy seen: DLC.

289. ALLEN, EDWARD WEBER, 1885-. The fishtrap question. (Alaska life, Apr. 1946. v. 9, no. 4, p. 13, 42)

Discussion of salmon traps of Alaskan waters, in the first phases of the legislative battle to get them outlawed.

Copy seen: DLC.

290. ALLEN, EDWARD WEBER, 1885-. North Pacific: Japan, Siberia, Alaska, Canada. New York, Professional & Technical Press, 1936. 2 p. l., vii-xvi, 282 p. col. front., 65 plates, 7 maps; maps on lining-papers.

Observations of the representative for the United States on the International Fisheries Commission, during a voyage on the fishing vessel *Santa Ana* in 1935. The ship's circumnavigation of the North Pacific Ocean included cruising the Inside Passage to Alaska, and Bering Sea from Dutch Harbor to Petropavlovsk. The author gives information for the business man and those interested in international problems, on the history, diplomatic relations and economics (especially fisheries) of the regions visited; bibliography (27 items on the North).

Copy seen: DLC; NNStef.

291. ALLEN, EDWARD WEBER, 1885-. Trouble in the Bering. (Alaska life, July 1938. v. 1, no. 6, p. 3, 16, 21)

Discussion of the United States and Canadian salmon and halibut fishery and measures for conservation, as affected by encroachment of other nations.

Copy seen: DLC.

292. ALLEN, EUGENE THOMAS, 1864-, and E. G. ZIES. A chemical study of the fumaroles of the Katmai region. (National Geographic Society. Contributed technical papers. Katmai ser., 1923. v. 1, p. 75-155, illus.)

Results of the fifth Katmai Expedition of the National Geographic Society, 1919. Papers from the Geophysical Laboratory, Carnegie Institution of Washington, no. 485.

Contains a discussion of the temperature of the vents, its causes and explanation, the evidence indicating declining activity of the vents, and the gases and water of the Valley of Ten Thousand Smokes. *Copy seen:* DGS.

293. ALLEN, GLOVER MORRILL, 1879-1942. The American collared lemmings (*Dicrostonyx*). (Harvard University. Museum of Comparative Anatomy. Bulletin, 1919. v. 62, p. 507-540, plate, sketch map)

A revision of the American forms, to define more clearly their relationships and distribution. Includes discussion of these lemmings' possible origin on the North American continent, and the role of Pleistocene ice movements in its subsequent history; remarks on generic and subgeneric characters and on fossil forms; detailed description of seasonal colors, anatomy, molt and geographic distribution of the collared lemmings of Labrador, Alaska, the Barren Grounds of Canada (Richardson's), Unalaska, St. Lawrence Island (here described as a new species), and Greenland (ranging throughout North Greenland, Ellesmere and Baffin Islands). Bibliography (24 items).

Copy seen: DSI-M.

294. ALLEN, GLOVER MORRILL, 1879-1942. Dog skulls from Uyak Bay, Kodiak Island. (Journal of mammalogy, Aug. 1939. v. 20, p. 336-40)

Based on crania and other bones excavated by Dr. A. Hrdlička, descriptions (in detail) of the larger and smaller breeds of dogs and mongrels.

Copy seen: DSI-M.

295. ALLEN, GLOVER MORRILL, 1879-1942, and MANTON COPELAND. Mammals from the MacMillan Expedition to Baffin Land. (Journal of mammalogy, Feb. 1924. v. 5, p. 7-12)

Annotated list of six species, includ-

ing the ringed seal, collected in the spring and summer of 1922.

Copy seen: DSI-M.

ALLEN, GLOVER MORRILL, 1879-1942. *See also* Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

ALLEN, GLOVER MORRILL, 1879-1942. *See also* Thayer, J. E., & others. Notes on birds & mammals E. Siberia. 1914.

ALLEN, GLOVER MORRILL, 1879-1942. *See also* Townsend, C. W., & G. M. Allen. Birds of Labrador. 1907.

296. ALLEN, HENRY TUREMAN, 1859-1930. Atnatanas; natives of Copper River, Alaska. (*In:* Smithsonian Institution. Annual report, 1886, *pub.* 1889. p. 258-66)

Description of the Ahtena Indians in the Copper River basin; brief notes on their settlements, physique, food, houses, dress, ornaments, weapons, dogs, language, customs and social organization. *Copy seen:* DLC.

297. ALLEN, HENRY TUREMAN, 1859-1930. Die Atnatánas oder Anwohner des Kupferflusses. (*Deutsche geographische Blätter*, 1886. Bd. 9, p. 216-27) *Title tr.:* The Ahtenas or people of the Copper River area.

Sketch of the ethnology of the Indians of the Copper River country, Alaska, based upon the U. S. Military Expedition to Alaska led by Lt. Allen in 1885. *Copy seen:* DLC.

ALLEN, HENRY TUREMAN, 1859-1930. *See also* U. S. Army. Dept. of the Columbia. Report of exped. to Copper, Tananá, & Koyukuk R. 1885. 1887.

298. ALLEN, J. A., and R. A. WARDLE. Fluke disease in northern Manitoba sledge dogs. (*Canadian Journal of research*, Apr. 1934. v. 10, p. 404-408, plate)

Detailed description of a new liver fluke, *Parametorchis manitobensis*, with notes on symptoms in the dogs, and the gross and microscopic pathology of the infestation; by the pathologist, Manitoba Game and Fisheries Branch, and the professor of zoology, University of Manitoba. *Copy seen:* DSI-M.

299. ALLEN, JOEL ASAPH, 1838-1921. The black bear of Labrador. (*American*

Museum of Natural History. Bulletin, 1910. v. 28, p. 1-6)

Discussion, comparing specimens from other localities, also tables of skull measurements for specimens from Labrador and Kenai Peninsula, Alaska.

Copy seen: DLC.

300. ALLEN, JOEL ASAPH, 1838-1921. Description of a new caribou from Kenai Peninsula, Alaska. (*American Museum of Natural History. Bulletin*, 1901. v. 14, p. 143-48, illus.)

Part of a collection made by Andrew J. Stone, 1900, for the American Museum of Natural History.

Copy seen: DLC.

301. ALLEN, JOEL ASAPH, 1838-1921. Description of a new caribou from northern British Columbia and remarks on *Rangifer montanus*. (*American Museum of Natural History. Bulletin*, 1902. v. 16, p. 149-58, illus.)

Description of specimen obtained by the Andrew J. Stone Expedition from the Cassiar Mts. and comparison with other species. *Copy seen:* DLC.

302. ALLEN, JOEL ASAPH, 1838-1921. The hair seals (family Phocidae) of the North Pacific Ocean and Bering Sea. (*American Museum of Natural History. Bulletin*, 1902, v. 16, p. 459-99, illus.)

Descriptions of three species collected on Jesup North Pacific Expedition with discussion of other forms, "a preliminary revision of the seals of the family Phocidae known to occur in the North Pacific."

Copy seen: DLC.

303. ALLEN, JOEL ASAPH, 1838-1921. List of mammals collected in Alaska by the Andrew J. Stone Expedition, 1901-03. (*American Museum of Natural History. Bulletin*, 1902. v. 16, p. 215-30)

Narrative of the expedition, and list with locations, field notes and references to descriptions, of twenty-six species. *Copy seen:* DLC.

304. ALLEN, JOEL ASAPH, 1838-1921. Mammals collected in Alaska and northern British Columbia by the Andrew J. Stone Expedition of 1902. (*American Museum of Natural History. Bulletin*, 1903. v. 19, p. 521-67)

Annotated list of forty-three mammals, including descriptions of five new

species from Alaska Peninsula, Wrangel, Kupreanof Island, and Telegraph Creek.

Copy seen: DLC.

305. ALLEN, JOEL ASAPH, 1838-1921. Mammals collected in Alaska by the Andrew J. Stone Expedition of 1903. (American Museum of Natural History. Bulletin, 1904. v. 20, p. 273-92, illus.)

Narrative of the expedition, and annotated list of twenty-eight species, represented by 873 specimens taken for the Museum from Alaska Peninsula and Kenai Peninsula.

Copy seen: DLC.

306. ALLEN, JOEL ASAPH, 1838-1921. Mammals from the Athabaska-Mackenzie region of Canada. (American Museum of Natural History. Bulletin, 1910. v. 28, p. 7-11)

List, with notes, measurements, locations, etc., of twenty-five species represented by about 270 specimens taken by E. Thompson Seton, 1907, along Athabaska River, Slave River, and Great Slave Lake to Aylmer Lake in the Barren Grounds.

Copy seen: DLC.

307. ALLEN, JOEL ASAPH, 1838-1921. The mountain caribou of northern British Columbia. (American Museum of Natural History. Bulletin, 1900. v. 13, p. 1-18, illus.)

Description, with notes on habits and distribution, of specimens taken in the Cassiar Mountains by Andrew J. Stone Expedition, 1897-99; also comparison of this with three other arctic species.

Copy seen: DLC.

308. ALLEN, JOEL ASAPH, 1838-1921. The musk-oxen of arctic America and Greenland. (American Museum of Natural History. Bulletin, 1901. v. 14, p. 69-86, illus., 6 plates)

Full description of Peary's musk ox (*O. wardi*) sent from Bache Peninsula, Ellesmere Island, and discussion of the range of other species across the North American Arctic.

Copy seen: DLC.

309. ALLEN, JOEL ASAPH, 1838-1921. A new bear from the Alaska Peninsula. (American Museum of Natural History. Bulletin, 1902. v. 16, p. 141-43, 2 plates)

Description, with notes on location and a comparison with other species, of

specimen obtained by Andrew J. Stone Expedition, 1901-03.

Copy seen: DLC.

310. ALLEN, JOEL ASAPH, 1838-1921. A new caribou from Ellesmere Land. (American Museum of Natural History. Bulletin, 1902. v. 16, p. 409-412, illus.)

Description, with notes on occurrence and on other forms, of a new species taken by Robert E. Peary, 1902.

Copy seen: DLC.

311. ALLEN, JOEL ASAPH, 1838-1921. A new caribou from the Alaska Peninsula. (American Museum of Natural History. Bulletin 1902. v. 16, p. 119-27, illus.)

Description with discussion of specimens obtained as result of the Andrew J. Stone Expedition, 1901-03.

Copy seen: DLC.

312. ALLEN, JOEL ASAPH, 1838-1921. A new sheep from Kamchatka. (American Museum of Natural History. Bulletin, 1904. v. 20, p. 293-98, illus.)

Description of a new species, with discussion.

Copy seen: DLC.

313. ALLEN, JOEL ASAPH, 1838-1921. A new sheep from the Kenai Peninsula. (American Museum of Natural History. Bulletin, 1902. v. 16, p. 145-48, illus.)

Description with discussion of specimens acquired by the Museum as result of the Andrew J. Stone Expedition, 1901-03.

Copy seen: DLC.

314. ALLEN, JOEL ASAPH, 1838-1921. Note on the wood bison. (American Museum of Natural History. Bulletin, 1900. v. 13, p. 63-67)

Note on a specimen from Great Slave Lake area with some discussion of distribution.

Copy seen: DLC.

315. ALLEN, JOEL ASAPH, 1838-1921. On mammals from the Northwest Territory collected by Mr. A. J. Stone. (American Museum of Natural History. Bulletin, 1899. v. 12, p. 1-9)

List, with some description, discussion of synonymy and distribution, of seventeen (including five new) species (mostly rodents) from the Andrew J. Stone Expedition, 1897-99, in the Rocky Mountains of Yukon and Northwest Territories.

Copy seen: DLC.

316. ALLEN, JOEL ASAPH, 1838-1921. Ontogenetic and other variations in muskoxen, with a systematic review of the muskox group, recent and extinct. (American Museum of Natural History. Memoirs, 1913. New. ser. v. 1, pt. 4, p. 101-226, illus., plates 11-18, map)

Discussion and descriptions with extensive bibliographical references throughout, based on specimens from North Greenland and Ellesmere Island, collected by the Peary expeditions, and from the Barren Grounds, and Melville Peninsula; also on observations of Stefansson, Anderson, Comer, and Macmillan.

Copy seen: DLC.

317. ALLEN, JOEL ASAPH, 1838-1921. Preliminary description of a new mountain sheep from the British Northwest Territory. (American Museum of Natural History. Bulletin, 1897. v. 9, p. 111-14, 2 plates)

Description, with discussion and notes on habitat, of a new species taken in the Coast Range by Andrew J. Stone.

Copy seen: DLC.

318. ALLEN, JOEL ASAPH, 1838-1921. Report on mammals collected in northeastern Siberia by the Jesup North Pacific Expedition, with itinerary and field notes, by N. G. Buxton. (American Museum of Natural History. Bulletin, 1903. v. 19, p. 101-184, 195-96)

Contains journal of the expedition (by N. G. Buxton); annotated list of thirty-five mammals, including descriptions of ten new species collected mainly in the Anadyr and Kolyma River regions, west coast of Okhotsk Sea and East Cape (mys Dezhneva) on Chukotsk Peninsula; also discussion of American affinities of certain east Siberian mammals. Addendum, p. 195-96.

Copy seen: DLC.

319. ALLEN, JOEL ASAPH, 1838-1921. Report on the birds collected in northeastern Siberia by the Jesup North Pacific Expedition, with field notes by the collectors. (American Museum of Natural History. Bulletin, 1905. v. 21, p. 219-57)

Annotated list of 127 species (including two new species fully described) represented by 800 skins, etc., collected for the Museum, near the Anadyr River, Gizhiga River, Lake Khanka (a

few), and Indian Point (mys Chaplina) on Chukotsk Peninsula.

Copy seen: DLC.

320. ALLEN, JOEL ASAPH, 1838-1921. The seals and walruses. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1884. Section 1, p. 33-74, 14 plates)

Extracted from the author's *Monograph of the pinnipeds of North America*, 1880. "The material is here published in such a different form, being divested of the great mass of technical matter, interesting chiefly to zoologists . . . that it is to all intents a fresh presentation of the subject . . . The biography of the walruses has been condensed and rewritten by G. B. Goode."

Contains notes on habits, distribution, migration and appearance of seals, sea lions and sea elephants of the waters off the North American continent.

Copy seen: DF.

321. ALLEN, JOEL ASAPH, 1838-1921. Shall the walrus become extinct. (Natural history, Jan. 1913. v. 13, p. 38-42, illus.)

Note on slaughter of walrus in the arctic waters off the Alaskan and Siberian coasts, with general remarks on their early distribution.

Copy seen: DSI-M; NNStef.

ALLEN, JOEL ASAPH, 1838-1921. *See also* Peary, R. E. Nearest the Pole. 1907.

322. ALLEN, LOIS HUDSON. Matanuska gets down to business. (Alaska sportsman, Oct. 1941. v. 7, no. 10, p. 10-11, 31-33, illus.)

Report on the favorable position gained after much effort, by the Matanuska Valley Farmers Co-operating Association, showing the development and present organizational structure, facilities and volume of business.

Copy seen: DLC.

323. ALLEN, LOIS HUDSON. Mink rancher. (Alaska sportsman, Mar. 1940. v. 6, no. 3, p. 16-18, 20, illus.)

On the value of mink fur shipments 1923-39, the history of one mink rancher on Kenai Peninsula, and the habits and breeding of minks.

Copy seen: DLC.

324. ALLEN, LOIS HUDSON. Trail Lake fur farm. (Alaska sportsman,

Mar. 1942. v. 8, no. 3, p. 10-11, 23-24, illus.)

Description of a mink ranch just north of Seward, and its operation.

Copy seen: DLC.

ALLEN, ROBERT PORTER. 1905-. See Smith, R. H., & R. P. Allen. Aerial waterfowl reconnaissance. 1948.

ALLEN, WILLIAM H. See Arctic Institute of North America. Mapping & description (program). 1946.

325. ALLEN, WINFRED EMORY, 1873-1947. Surface catches of marine diatoms and dinoflagellates made by U.S.S. "Pioneer" in Alaskan waters in 1923-24. (California. University. Scripps Institution of Oceanography. Bulletin; technical ser., 1927-29. v. 1, p. 39-48; v. 2, p. 139-53, sketch chart)

Based on collections made during U. S. Coast and Geodetic Survey cruises in Gulf of Alaska and west to the eastern Aleutian Islands, 1923-24. A quantitative, distributional study, in relation to ocean temperature and salinity, showing low dinoflagellate counts and dominance of a few species of diatoms.

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326. ALLER, G. D. Postpliotšenovye otlozheniia poluostrova Chel'uskina. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, vyp. 3, p. 314-37, illus., fold. map. diagrs.) *Title tr.:* Postpliocene deposits of the Chelyuskin Peninsula.

Observations made during a sojourn at the Cape Chelyuskin polar station 1932-33: the land forms of the northern part of the Taymyr Peninsula, marine and glacial deposits, with preliminary remarks on the name and limits of Chelyuskin Peninsula. Bibliography (24 items).

Summary in English.

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327. ALLGÉN, CARL ALGON JÖNSSON, 1886-. Bipolarität in der Verbreitung frei lebender mariner Nematoden. (Zoologischer Anzeiger, Feb. 1934. Bd. 105, p. 331-34) *Title tr.:* Bipolar distribution of free-living marine nematodes.

Discussion, based on the literature, of the arctic-subarctic and antarctic-subarctic fauna, with a conclusion that the polar fauna is a relict of an early, pre-Tertiary, world-wide distribution. Bibliography (16 items).

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328. ALLGÉN, CARL ALGON JÖNSSON, 1886-. Om några djuphavsneematoder från Nord-Norge (Lopphavet). (Nytt magasin för naturvidenskapene, 1946. Bd. 85, p. 231-34) *Title tr.:* On some deep-sea nematodes from northern Norway (Lopphavet).

Contains an enumeration of five marine nematodes from Lopphavet, (Lapp Sea, 71°30'N.21°E.) arctic Norway, with synonymy, measurements and data on distribution in Norway.

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329. ALLGÉN, CARL ALGON JÖNSSON, 1886-. Über einige freilebende marine Nematoden aus der Strandfauna Norwegens. (Nytt magasin for naturvidenskapene, 1937. Bd. 76, p. 245-72) *Title tr.:* On free-living marine nematodes of the seacoast of Norway.

Contains a synopsis of forty-one species (in thirty-six genera) of free-living marine nematodes of the Norwegian coast, a systematic enumeration of the species, with synonymy, critical notes and data on distribution. Includes *Paroncholainus vulgaris* and *P. donsi*, occurring in Lofoten Islands. Bibliography (28 items).

Copy seen: MH-A.

ALLMAN, GEORGE JAMES. See Jeffreys, J. G., & others. Preliminary report of biological results *Valorous*. 1876.

ALLMAN, GEORGE JAMES. See also Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

330. ALM, CARL GUSTAF, 1888-. Bidrag till Kebnekaisetraktens flora. (Svensk botanisk tidskrift, 1921. Bd. 15, häfte 2-4, p. 265-68) *Title tr.:* A contribution to the flora of the Kebnekaise region.

Contains an alphabetical list of sixty-nine plants of Kebnekaise mountainous region, based partly on the author's collections made in 1920 and partly on literature sources, with data on local distribution. *Copy seen:* MH-A.

331. ALM, CARL GUSTAF, 1888-. Floristiska anteckningar från Torneträskområdet. (Svensk botanisk tidskrift, 1921. Bd. 15, häfte 2-4, p. 261-63) *Title tr.:* Floristic notes from the Torneträsk region.

Contains an alphabetical list of twenty-nine species of flowering plants collected by the author in the region of

Torneträsk (northern Sweden about 68°15'N.19°-20°E.) in the summers of 1917, 1919 and 1920.

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332. ALM, CARL GUSTAF, 1888-. *Gyrophora rugifera* (Nyl.) Th. Fr. funnen i Torne Lappmark. (Svensk botanisk tidskrift, 1920. Bd. 14, häfte 4, p. 344-45) *Title tr.*: *Gyrophora rugifera* (Nyl.) Th. Fr. found in Torne Lappmark.

Contains a note on the finding of this rare lichen in the Pallemjtjäcko district of Torne Lappmark, northern Sweden, in the summer of 1919, with data on its other localities.

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333. ALM, CARL GUSTAF, 1888-. Om *Drosera intermedia* Hayne och *D. angelica* Huds. f. *pusilla* Kihl. i Sverige. (Botaniska notiser, 1923, häfte 2, p. 115-27, illus.) *Title tr.*: On *Drosera intermedia* Hayne and *D. angelica* Huds. f. *pusilla* Kihl. in Sweden.

Contains critical notes on two herbs, *Drosera intermedia* and *D. angelica* f. *pusilla*, native to Torne Lappmark, northern Sweden, with a list of its localities; bibliography (19 items).

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334. ALM, CARL GUSTAF, 1888-. *Platanthera parvula* Schltr., en nybeskriven Svensk växt. (Svensk botanisk tidskrift, 1923. Bd. 17, häfte 2, p. 224-27, illus.) *Title tr.*: *Platanthera parvula* Schltr., a newly described Swedish plant.

Contains a republication of the original Latin description (in *Repertorium specierum novarum regni vegetabilis*, Berlin, 1905-) of *Platanthera parvula* Schltr., a terrestrial orchid, occurring in Nuolja, Torne Lappmark, northern Sweden, and in adjoining regions of Finnmark, Norway.

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335. ALM, CARL GUSTAF, 1888-, and Th. C. E. FRIES. Floristiska anteckningar från Karesuando och Enontekis söcknar. (Svensk botanisk tidskrift, 1925. Bd. 19, häfte 2, p. 50-62) *Title tr.*: Floristic notes from Karesuando and Enontekis parishes.

Contains a list of two hundred seventy species of plants collected by the author during his trip to the Karesuando region of Torne Lappmark and adjoining Enontekis district of Finland

in the summer of 1924, with data on local distribution. *Copy seen:* MH-A.

ALM, CARL GUSTAF, 1888-. See also Tengwall, T. Å., & C. G. Alm. Floristiska bidrag från Karesuando. 1920.

336. ALM, GUNNAR OLOF, 1889-. Beiträge zur Kenntnis der nördlichen und arktischen Ostracodenfauna. [Stockholm, 1914] 20 p. illus., plate, tables. (Arkiv för zoologi. Bd. 9, no. 5) *Title tr.*: Contributions to knowledge of northern and arctic Ostracoda.

Based on a study of fresh-water ostracods from the Yenisey region, Kola Peninsula, Novaya Zemlya, Greenland and West Spitsbergen, an annotated list with localities of twenty-four (including with descriptions, five new) species and one new variety.

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337. ALME, HELGE, 1867-1922. Om Spitsbergen og den Wellmanske polar-ekspedition; foredrag den 24 oktober 1894. Tillaeg. "Kanes" reise langs Spitsbergens vestkyst, af Trygve Heyerdal. (Norske geografiske selskab. Aarbok, 1894-95. p. 1-50, illus., map) *Title tr.*: Spitsbergen and the Wellman polar expedition; lecture given October 24th, 1894. Supplement: The voyage of the "Kane" along the west coast of Spitsbergen, by Trygve Heyerdal.

Summary of expeditions to Svalbard 1596-1889 and a description of Walter Wellman's unsuccessful attempt in 1894 to reach the North Pole, or the polar region, in sledges and rowboats from Walden Island (80°30'N.19°30'E. north of North Cape, Northeast Land). The supplement describes the journey of one of the return parties in an aluminum rowboat from Walden Island to Red Bay (Raudfjorden, 79°40'N. 12°E.) on northern West Spitsbergen.

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338. ALMQUIST, ERIK, 1892-. Växtgeografiska bidrag. 2. Norrbotten. (Botaniska notiser, 1920. p. 127-32) *Title tr.*: Geobotanical contributions. 2. Norrbotten.

Contains an alphabetical list of over one hundred flowering plants, collected in 1915 in this district of northern Sweden, with localities and notes on habitat.

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339. ALMQUIST, ERIK, 1892-. Växtlokaler från Torne och Lule Lapp-

marker. (Svensk botanisk tidskrift, 1917. Bd. 11, häfte 1, p. 125-30) *Title tr.*: Plant localities from Torne and Lule Lappmark.

Contains a list of about one hundred species with localities from Torneträsk, Abisko-Kebnekaise and Kebnekaise regions of Torne and Lule Lappmark, in northern Sweden. *Copy seen*: MH-A.

340. ALMQUIST, SIGFRID OSKAR IMMANUEL, 1844-1923. Om *Calamagrostis langsdorffii* (Link) och dess förhållande till *C. purpurea* Trin. (Svensk botanisk tidskrift, 1911. Bd. 5, häfte 3, p. 372-74) *Title tr.*: On *Calamagrostis langsdorffii* (Link) and its relation to *C. purpurea* Trin.

Contains Latin diagnosis of *Calamagrostis purpurea* s. str., a grass native to the lower Lena River basin, and *C. (Arundo) langsdorffii* from Unalaska Island. *Copy seen*: MH-A.

341. ALMQUIST, SIGFRID OSKAR IMMANUEL, 1844-1923. Om formerna af *Carex salina* Wg. (Botaniska notiser, 1891, p. 125-28) *Title tr.*: On the forms of *Carex salina* Wg.

Contains brief descriptions and critical notes on four forms of a sedge, *Carex salina* (cuspidata series), two forms of *mutica* series and three hybrids of *C. salina*; include some native to northern Scandinavia, Kola Peninsula, White Sea and Bering Strait regions and Greenland.

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342. ALMQUIST, SIGFRID OSKAR IMMANUEL, 1844-1923. De skandinaviska arterna af släktet *Biatorella*. (Botaniska notiser, 1866, no. 5, p. 65-69) *Title tr.*: On Scandinavian species of the genus *Biatorella*.

Contains a critical revision of six Scandinavian species of lichen genus *Biatorella* (one new), including *B. Lapponica* native to Lapland, with Latin descriptions, synonymy and critical notes.

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343. ALMQUIST, ERNST BERNHARD, 1852-1946. Helso- och sjukvården under Nordenskiöldska ishafsexpeditionen, 1878-1880. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 161-83) *Title tr.*: Hygiene and care of the sick during Nordenskiöld's Arctic Expedition, 1878-1880.

Contains notes on equipment, the

journey and the wintering on the north coast of Chukotsk Peninsula.

Appendices: 1. Menu and rations, 1878. 2. Health record. 3. Temperature observations at winter quarters and below deck; and wind velocities at Petlekay (67°10'N. 173°24'W.) winter 1878-79.

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344. ALMQUIST, ERNST BERNHARD, 1852-1946. Die Lichenenvegetation der Küsten des Beringmeeres. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 509-541) *Title tr.*: Lichen vegetation of the coasts of Bering Sea.

Contains descriptions of habitats at St. Lawrence Bay and Konyam Bay (about 64°50'N. 172°40'W.) on the Chukotsk Peninsula; Port Clarence, Seward Peninsula; St. Lawrence Island and Bering Island; the plant communities with special reference to lichens. Remarks on a distinct boundary at Port Clarence between tundra and bare soil; the natural migration of plants on Bering Island and the character of the lichen flora of these coasts.

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345. ALMQUIST, ERNST BERNHARD, 1852-1946. Lichenologiska iakttagelser på Sibiriens nordkust. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1879. Arg. 36, no. 9, p. 29-59) *Title tr.*: Observations on the lichens of the northern coast of Siberia. Issued also as: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 195-222.

Contains (1) descriptions of islands and coastal points on the northern coast of Siberia from Novaya Zemlya to Bering Strait and of their lichen vegetation; (2) summary of the lichen localities on the coastal tundra; and (3) some characteristics of the coastal tundra's lichen flora.

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346. ALMQUIST, ERNST BERNHARD, 1852-1946. Studier öfver Tschuktschernas färgsinne. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1879. Arg. 36, no. 9, p. 61-69) *Title tr.*: Studies on the color sense of the Chukchis. Issued also as: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 185-94.

Contains notes on tests given to about 300 persons from villages along the north coast of the Chukotsk Peninsula.

Copy seen: DGS; DLC.

ALMQVIST, ERNST BERNHARD, 1952-1946. See also Wainio, E. A. Lichens in vicinii hibernae expeditionis Vegae. 1909.

347. ALT, EUGEN. Die Doppeloszillation des Barometers insbesondere im arktischen Gebiete. (Meteorologische Zeitschrift, April 1909. Bd. 26, p. 145-64, diagrs.) *Title tr.:* The double oscillation of barometers especially in arctic regions.

A mathematical analysis of the diurnal pressure variations in high latitudes.

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348. AL'TBERG, V. I. A., and V. V. LAVROV. O popytakh lishit' vodu osnovnogo ee svoistva—prevrashchat'sia v tverduiu fazu. (Problemy Arktiki, 1939, no. 6, p. 47-52) *Title tr.:* On attempts to deny that water has the basic property of crystallization.

Criticism of G. A. Vinokurov's article: *K voprosu o sposobnosti vody k samoproizvol'noi kristallizatsii*, 1938, q.v., and results of tests carried out by the State Hydrological Institute in 1938-39, on the formation of ice crystals.

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349. ALPATOV, V. V. Decapoda, sobrannye ekspeditsiei Instituta v 1921 g. Moskva, 1923. 36 p. tables, diagr. (Morskoi nauchnyi institut. Trudy, T. 1, vyp. 7) *Title tr.:* Decapoda collected by the Institute's expedition in 1921.

Contains (1) list of sixty oceanographic stations in Barents, Kara and White Seas, with note of location and material collected from the ice-breaker *Malygin* on the Floating Marine Scientific Institute expedition, 1921; (2) annotated list of the decapods taken, with some discussion of their biological characteristics.

Summary in German.

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350. ALTUKHOV, K. A. Nerest mel'koi belomorskoj sel'di v Kandalakshskom zalive. (Priroda, 1943, no. 3, p. 71) *Title tr.:* Spawning of small White Sea herring in Kandalaksha Bay.

Some results of a successful search for herring spawning fields within Kandalaksha Bay.

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351. ALVENSLEBEN, OSKAR von. Fahrt nach Spitzbergen. (Verein für Erdkunde zu Dresden. Jahresbericht, 1896. Bd. 25, p. 4-18) *Title tr.:* Trip to Spitzbergen.

Describes a pleasure trip along the Norwegian coast and west coast of West Spitzbergen in Aug. 1893, as seen by the eye of an artist. The party reached 80°55'N. before being turned back by pack ice.

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352. ALYMOV, V. K. Rozhdaemost' i smertnost' loparei Kol'skogo poluostrova. (Akademiia nauk SSSR. Kommissiia ekspeditsionnykh issledovani. Materialy, 1930. Vyp. 23, Seriia severnaia. Kol'skii sbornik, p. 71-101, tables) *Title tr.:* Birth and death rates among the Lapps of Kola Peninsula.

A study of vital statistics based on data collected by the author, 1923-29.

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353. ALYMOV, V. K. Rozhdaemost' i smertnost' saamskogo naseleniia (loparei) Kol'skogo poluostrova v 1921-30 g.g. (Sovetskii Sever, 1932, no. 4, p. 124-27, tables) *Title tr.:* Birthrate and mortality among Laplanders of Kola Peninsula, 1921-30.

Contains data on vital statistics from censuses of 1782, 1857-58 and 1926-27, also from parish registers for 1921-30.

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354. AMBRONN, H. Allgemeines über die Vegetation am Kingua-Fjord. (In: International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Die deutschen Expeditionen, 1890. Bd 2, p. 61-74) *Title tr.:* General remarks on the vegetation of Kingua Fjord.

The author accompanied the German Arctic Expedition of the First International Polar Year, to Cumberland Sound, Baffin Island. This paper embodies his previous study of other authors' works on phytogeography of the North American Arctic, and a growth analysis of collections made during the expedition, also those made by Dr. F. Boas in the same region, subsequently. Includes a description of the terrain, temperature and moisture characteristics relative to plant occurrence and growth, with a tree-ring analysis of the woody vegetation.

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355. AMBRONN, H. Phanerogamen und Gefäss-Kryptogamen vom Kingua-Fjord. (In: International Polar Year.

1st, 1882-1883. Deutsche Polar-Kommission. Die deutschen Expeditionen, 1890. Bd. 2, p. 75-92) *Title tr.*: Phanerogams and vascular cryptogams of Kingua Fiord.

Contains introductory remarks on earlier works on Baffin Island, and an annotated list of thirty-seven species of flowering plants and ferns (4 species) collected near the expedition's camp site on Baffin Island at the northwestern end of Cumberland Sound.

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356. AMBROZ, A. I. Sel'd' (*Clupea harengus* Pallasi C.V.) zaliva Petra Velikogo. Vladivostok, 1931. viii, 313 p. illus. (maps), tables, diagrs. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia. T. 6) *Title tr.*: The herring (*Clupea harengus* Pallasi C. V.) of Peter the Great Bay.

Detailed biological description of the Far Eastern herring, distributed also in the Chukchi, Bering, and Okhotsk Seas; with the author's observations on size, age, growth rate and weights of this fish, also results of his studies on its spawning, migrations, and commercial reserves. Bibliography (73 items).

Summary in English.

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357. AMDRUP, GEORG CARL, 1866-1947. Beretning om expeditionen til Grønlands østkyst 1898-99. (*In his: Carlsbergfondets expedition til Øst-Grønland 1898-1900. 1 del., nr. 1. Pub. in Meddelelser om Grønland, 1902. 27. hefte, p. 1-107, illus., tables, plates I-II, IV, VI, incl. 2 fold. maps*) *Title tr.*: Report of the expedition to the east coast of Greenland, 1898-1899.

Narrative of the expedition to East Greenland, 1898-1899 (first part of the Carlsberg Fund Expedition to East Greenland, 1898-1900) led by Amstrup, for the purpose of investigating the coast north from Angmagssalik. Contains directives, list of equipment and account of a boat trip, Sept. 10-Oct. 3, 1898, from Angmagssalik to 66°15'N., sledge journeys from winter quarters at Angmagssalik Feb.-Mar. 1899, and a boat trip, June-Aug. 1899, surveying the coast from 66° to 67°22'N.; with meteorological tables and summary.

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358. AMDRUP, GEORG CARL. 1866-1947. Beretning om kystexpeditionen

langs Grønlands østkyst, 1900. (*In his: Carlsbergfondets expedition til Øst-Grønland. 1. del, nr. 4. Pub. in: Meddelelser om Grønland, 1902. 27. hefte, p. 183-271, illus, tables, diagrs., plates III-IV, VI-VII (incl. 3 fold. maps)*) *Title tr.*: Report on the Coast Expedition along the east coast of Greenland, 1900.

Narrative of the expedition (part of the Carlsberg Fund Expedition to East Greenland, 1898-1900), under Amstrup, for purpose of investigating the east coast of Greenland from 67°22'N. to about 69° or 70°N. Contains (1) directives; (2) discussion and tables of equipment; (3) description of winter quarters at Cape Dalton; (4) account of the boat trip and investigations made from Cape Dalton to Angmagssalik; (5) discussion of Eskimo ruins in the Kangerdlugssuaq region and (6) of ice conditions along the coast; (7) table of meteorological observations made during the boat trip; (8) remarks on accompanying maps; and (9) table of astronomical determinations of places.

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359. AMDRUP, GEORG CARL, 1866-1947. Beretning om skibexpeditionen til Grønlands østkyst, for tidsrummet fra d. 14. juni til d. 18. juli og fra d. 12. september til d. 4. oktober 1900. (*In his: Carlsbergfondets expedition til Øst-Grønland, 1898-1900. 1. del, nr. 2. Pub. in: Meddelelser om Grønland, 1902. 27. hefte, p. 109-152, illus., plate V (fold map)*) *Title tr.*: Report on the Ship Expedition to the east coast of Greenland for the period June 14 to July 18 and from September 12 to October 4, 1900.

Narrative of this part of the Carlsberg Fund Expedition to East Greenland, 1898-1900, led by Amstrup, to transport the equipment and members of the coast expedition, and to make independent scientific investigations in the Scoresby Sound, Davy Sound, Franz Joseph Fiord and Angmagssalik regions. Includes instructions for the Ship Expedition, discussion of its equipment, account of the ocean crossing June-July, 1900 in the *Antarctic* via Jan Mayen, and the landing of the Coast Expedition at Cape Dalton; with remarks on ice conditions in the Greenland Sea and brief mention of the homeward trip in Sept.-Oct. 1900.

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360. AMDRUP, GEORG CARL, 1866-1947. Carlsbergfondets expedition til Øst-Grønland, udført i aarene 1898-1900 under ledelse af G. Amtrup. (Meddelelser om Grønland, 1902-11. 27.-30. hefte) *Title tr.*: The Carlsberg Fund Expedition to East Greenland, undertaken during the years 1898-1900 under the leadership of G. Amtrup.

Contents tr.: 1. Report of the Expedition to the east coast of Greenland, 1898-1899.

2. AMDRUP, G. C. Report on the Ship Expedition to the east coast of Greenland for the period June 14 to July 18 and from Sept. 12 to Oct. 4, 1900.

3. HARTZ, N. Report on the Ship Expedition to the east coast of Greenland for the period July 18 to Sept. 12, 1900.

4. AMDRUP, G. C. Report on the Coast Expedition along the east coast of Greenland, 1900.

5. KOCH, J. P. Remarks concerning the coast land between 69°20'N. and 72°20'N., surveyed by the Ship Expedition to the east coast of Greenland, 1900.

6. AMDRUP, G. C. Astronomical determination of the station in Tasiussak in the Angmagssalik District.

7. JANTZEN, V. The meteorological observations.

8. AMDRUP, G. C. Magnetic observations.

9. RAVN, H. Aurora observations.

10. AMDRUP, G. C. Hydrography from the Ship Expedition to the east coast of Greenland, 1900.

11. JENSEN, S. Mammals observed in Amtrup's journeys to East Greenland, 1898-1900.

12. MORTENSEN, T. Echinoderms from East Greenland.

13. RAVN, J. P. J. The Tertiary fauna at Cape Dalton in East Greenland.

14. DEICHMANN, H. Birds of East Greenland.

15. MADSEN, V. C. On Jurassic fossils from East Greenland.

16. JENSEN, A. S. The fishes of East Greenland.

17. FRAAS, E. Further contributions to the Jurassic fauna of northeast Greenland.

18. JENSEN, A. S. On the Mollusca of East Greenland. I. Lamellibranchiata.

19. NIELSEN, J. C. The insects of East Greenland.

20. HANSEN, H. J. Note on the Crustacea.

21. LUNDBECK, W. The Porifera of East Greenland.

22. KRUSE, C. Botanical exploration of the east coast of Greenland between 65°-74°30' lat. N.

23. JONSSON, H. The marine algae of East Greenland.

24. LARSEN, E. The fresh-water algae of East Greenland.

25. ROSTRUP, E. Fungi from East Greenland collected during G. Amtrup's Expedition, 1898-1900.

26. WAINIO, E. A. Lichens of the G. Amtrup Expedition (1898-1902).

27. KRUSE, C. List of the phanerogams and vascular cryptogams found on the coast 75°-66°20' lat. N. of East Greenland.

28. KRUSE, C. List of phanerogams and vascular cryptogams found in the Angmagssalik District on the east coast of Greenland between 65°30' and 66°20' lat. N.

29. JENSEN, C. E. O. Description of the new moss species *Marsipella groenlandica*, occurring in East and West Greenland.

30. JENSEN, C. E. O. List of the Hepaticae and Sphagnales found in East Greenland between 75° and 65°35' lat. N. in the years 1898-1902.

31. HESSELBO, A. List of the Andreeales and Bryales found in East Greenland between 74°15' and 65°35' lat. N. in the years 1898-1902.

32. HARTZ, N., and C. KRUSE. The vegetation of northeast Greenland, 69°25' lat. N.-75° lat. N.

33. NORDENSKJÖLD, N. O. G. Notes on some specimens of rock collected by C. Kruse on the east coast of Greenland between lat. 65°35' and 67°22'N.

34. BÖGGILD, O. B. Samples of the sea-floor along the coast of East Greenland.

35. BÖGGILD, O. B. The minerals from the basalt of East Greenland.

36. POULSEN, K. A. E. Contributions to the anthropology and nosology of the East Greenlanders

37. NORDENSKJÖLD, N. O. G. On the geology and physical geography of East Greenland.

38. AMDRUP, G. C. The former Eskimo settlement on the east coast of

Greenland between Scoresby Sund and the Angmagssalik District.

39. THALBITZER, W. C. Ethnological description of the Amdrup collection from East Greenland, comprising objects found in Eskimo house ruins and graves north of Angmagssalik between 68° and 75° lat. N.

Each part appears in this Bibliography under its author's name.

Summary in French, p. 353-72.

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361. AMDRUP, GEORG CARL, 1866-1947. The former Eskimo settlement on the east coast of Greenland between Scoresby Sund and the Angmagssalik District. (*In:* Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 2. del, nr. 6. *Pub.* in: Meddelelser om Grønland, 1909. 28. hefte, p. 285-328, illus., tables, diagrs.)

Archeological report on eighteen settlements, their houses, graves and objects found therein.

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362. AMDRUP, GEORG CARL, 1866-1947. Hydrografi fra skibexpeditionen til Grønlands østkyst, 1900. (*In* his: Carlsbergfondets expedition til Øst-Grønland. 1. del, nr. 7. *Pub.* in: Meddelelser om Grønland, 1902. 27. hefte, p. 341-52, tables) *Title tr.:* Hydrography from the Ship Expedition to the east coast of Greenland, 1900.

Discussion, with tabular data, on temperature and salinity at various depths; soundings; collection of bottom deposits; depositing of current bottles and collection of water samples at various stations during the voyage from Denmark 1900, and along the coast of East Greenland.

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363. AMDRUP, GEORG CARL, 1866-1947. Kommandør Jens Arnold Diedrick Jensen Bildsøe. (Grønlandske selskab. Aarsskrift, 1937. p. 152-53, illus.) *Title tr.:* Commodore Jens Arnold Diedrick Jensen Bildsøe.

Contains data on his life (1849-1936); notes his books on navigation, oceanography, exploration, inland ice, etc.; his survey of the West Greenland coast from about 61°20' to 68°20'N., and membership in five expeditions, in a 70 km. sledge trip on the icecap in 1878, etc.

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364. AMDRUP, GEORG CARL, 1866-1947. De magnetiske observationer

(*In:* Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 1. del, nr. 6. *Pub.* in: Meddelelser om Grønland, 1902. 27. hefte, p. 319-22, table)

Discussion of observations made at Tasiusak, the expedition's winter quarters in the Angmagssalik region and table of magnetic variations determined, 1899-1900, in the region between Angmagssalik and Cape Dalton.

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365. AMDRUP, GEORG CARL, 1866-1947. Mylius-Erichsen's report on the non-existence of the Peary Channel: information brought home by Ejnar Mikkelsen. Danmark-ekspeditionen til Grønlands nord-østkyst, 1906-1908. Bd. I, nr. 5 (Meddelelser om Grønland, 1913, Bd. 41 p. 469-74)

Result of the *Alabama* Expedition 1909-12, Mikkelsen's effort to find diaries and records of Mylius-Erichsen and Hagen, lost (like Brønlund) in northeast Greenland, 1907, during the *Danmark* expedition. This paper records two reports of the lost men, dated Danmarks Fjord, Sept. 12, 1907, and Aug. 8, 1907 (written on Crown Prince Christian Land). The second report states that on June 1, 1907, the three men reached Cape Glacier and discovered that Peary Channel did not exist as Navy Cliff was connected by fast land with Heilprinn Land. Independence Bay was renamed Independence Fjord, on the basis of this discovery.

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366. AMDRUP, GEORG CARL, 1866-1947. Den østgrønlandske kystexpedition 1900. (Geografisk tidsskrift, 1901-02. Kjøbenhavn, 1902. Bd. 16, p. 34-54, fold. map) *Title tr.:* The Coast Expedition to East Greenland, 1900.

Account of the surveying trip of this party (part of the Carlsberg Fund Expedition to East Greenland, 1898-1900) from Cape Dalton to Angmagssalik; with mention of its scientific results, remarks to accompany the map and table of astronomical determinations of places.

Map (1:000,000) of Greenland's east coast 65°55'-69°25'N. (Kong Christian den IX's Land) prepared by G. C. Amdrup during the Danish expeditions to East Greenland, 1898-99 and 1900.

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367. AMDRUP, GEORG CARL, 1866-1947. Pladsbestemmelse af stationen i

Tasiusak i Angmagssalik-distrikt. (*In* his: Carlsbergfondets expedition til Øst-Grønland, 1. del, nr. 6. *Pub.* in: Meddelelser om Grønland, 1902. 27. hefte, p. 307-309) *Title tr.*: Astronomical determination of the station in Tasiusak in the Angmagssalik District.

Discussion and results of observations made Jan.-May, 1899.

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368. **AMDRUP, GEORG CARL, 1866-1947.** Report on the Danmark Expedition to the northeast coast of Greenland 1906-1908. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. I, nr. 1. (Meddelelser om Grønland, 1913, Bd. 41, p. 1-270, 10 fold. plates (incl. 3 fold. maps, facsim.))

Planned, organized and led by L. Mylius-Erichsen, the expedition was financed by the Danish government, the Carlsberg Fund and many private persons. The Danmark remained at Cape Bismark on Germania Land during the winters of 1906-1907, 1907-1908, while sledge and boat journeys for surveying and scientific research were carried out. During the northern sledge journey of 1907, Mylius-Erichsen, Hagen, and Brønlund lost their lives.

Amdrup gives a detailed account of the organization and financing, the members, agreements and plans of the expedition; narratives from journals of the two voyages, the various sledge and boat journeys, and the work at the Danmarks Havn station; Brønlund's diary; list of journeys made; also list of documents, diaries and reports used in preparing this report.

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369. **AMDRUP, GEORG CARL, 1866-1947, and N. HARTZ.** Den østgrønlandske expedition (Geografisk tidskrift, 1899-1900. Kjøbenhavn, 1900. Bd. 15, p. 194-202, sketch map) *Title tr.*: The expedition to East Greenland.

Brief preliminary reports, written from Greenland, of the Ship and Coast Expeditions, 1900 (parts of the Carlsberg Fund Expedition to East Greenland, 1898-1900). *Copy seen:* DLC.

370. **AMDRUP, GEORG CARL, 1866-1947, and others.** Observations astronomiques, météorologiques et magnétiques de Tasiusak dans le District d'Angmagssalik 1898-99, faites par l'expédition danoise sous le direction de G. C.

Amdrup. Copenhagen, G.-E.-C. Gad, 1904. 5 pts. (2 p. l., 5 p.; 4 p.; 20, xxix p.; 14 p.; 8, xiii p.) front. (3 maps) illus., tables. *Title tr.*: Astronomical, meteorological and magnetic observations at Tasiusak in Angmagssalik District, 1898-99, made by the Danish Expedition under G. C. Amdrup.

Contents tr.: 1. Amdrup, G. C. Introduction. (Discussion of the station's program and instrumentation, with a photograph of the site).

2. Amdrup, G. C. Determination of the geographic position of the station (65°36'40"N. 37°33'26"W.) (Discussion of nine determinations of latitude made aperiodically during the expedition).

3. Willaume-Jantzen, V. Meteorological observations. (Description of typical weather situation over the Angmagssalik area, with tabular results of hourly meteorological and auroral observations there from Nov. 1, 1898 to May 16, 1899).

4. Ravn, H. Observations of the aurora borealis. (Characterization of auroras by color, movement, structure and frequency, according to type).

5. Hjort, V. Magnetic observations made at Tasiusak (etc.) and at other points along the coast of East Greenland. (Record of the diurnal course of negative and positive perturbations of the declination at Tasiusak during Dec. 1898-May 1899, and the results of a declination survey at points along the East Greenland coast in 1899 and 1900; also readings of declination at Angmagssalik, Dec. 1, 1898-May 16, 1899).

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371. **AMDRUP, GEORG CARL, 1866-1947, and others.** Den østgrønlandske expedition 1898-99. (Geografisk tidskrift, 1899-1900. Kjøbenhavn, 1900. Bd. 15, p. 53-71, fold. sketch map) *Title tr.*: The Expedition to East Greenland, 1898-99.

Preliminary report (by the leader) of this part of the Carlsberg Fund Expedition, 1898-1900, which surveyed the east coast of Greenland 65°45'-67°22'N.

Contains (1) a narrative (by Amdrup) of the party's activities, including boat trips in the *Godhaab* in 1898 and 1899, and a sledge trip from winter quarters at Angmagssalik; (2) discussion of the geology and plant life of East Greenland, by C. Kruse, and (3) the animal life by Knud Poulsen.

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AMDRUP, GEORG CARL, 1866-1947.
See also Greenland. 1928-29.

AMDRUP, GEORG CARL, 1866-1947.
See also Grønland i tohundredaaaret for Egedes landing. 1921.

AMDRUP, GEORG CARL, 1866-1947.
See also Grønland i tohundredaaaret for Egedes landing. (trade ed.) 1921.

AMDRUP, GEORG CARL, 1866-1947.
See also Rostrup, E. Fungi Groenlandia orientalis. 1911.

AMDRUP, GEORG CARL, 1866-1947.
See also Thalbitzer, W. C. Ethnographical collections E. Greenland. 1914.

372. AMELANDOV, A. S. Mestorozhdeniia apatita na Poachvumchorre i Kuel'pore. (*In*: Khibinskie apatity, 1934. T. 7, p. 213-30, diagr. tables) *Title tr.*: Apatite deposits in Poachvumchorr and Kuel'por mountains.

Description of the mountains based on the topographic survey of the Kola Expedition, 1930. Poachvumchorr: geographic situation, geological characteristics, data on apatite-nepheline deposits, with tables showing mineralogical composition, genesis of the Poachvumchorr apatite, and calculation of the tonnage of the reserves, p. 213-25. Kuel'por: geological characteristics, contour of the ore body, its composition and reserves, and genesis of Kuel'por apatite, p. 225-30.

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373. AMELANDOV, A. S. Rabota Khibinskoï geologicheskoi partii po razvedke Vud'yavrchorra i chasti Takhtarvumchorra (*In*: Khibinskie apatity, 1932. T. 2, p. 403-407) *Title tr.*: Work by the Khibina geological survey party in Vud'yavrchorr and a section of Takhtarvumchorr.

Petrographic characteristics of the regions (in brief) based on the survey by the geological section of the Kola Expedition in 1930.

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AMERICAN ACADEMY OF SCIENCE. *See* U. S. Navy Dept. Instructions for exped. toward N. Pole. 1871.

374. AMERICAN COMMITTEE FOR INTERNATIONAL WILDLIFE PROTECTION. The present status of the musk-ox in arctic North America and Greenland, with notes on distribution, extirpation, transplantation, protec-

tion, habits and life history. [New York?] 1934. 87 p. 4 plates, 3 sketch maps. (*Its*: Special publication no. 5)

"The publication of this report is a contribution from the Wilderness Club of Philadelphia." Prepared by Elisabeth Hone, it is based on a two-year investigation of published reports and papers, and on correspondence with scientists and sportsmen.

Contents: 1. Foreword.

2. Introduction: synonyms, races, characters.

3. Distribution: fossil, prehistoric range, former distribution in Alaska; distribution in the Barren Grounds, Hudson Bay region, continental Canada, and Greenland. Seasonal movements, food habits, etc.

4. History of extirpation: Canada, Ellesmere Island, Greenland; hunting by Eskimos and Indians; natural enemies.

5. Preservation: protection in Canada and Greenland; proposed regulations; utilization of wool, hide, horns and meat.

6. Natural history: fighting, breeding, composition herds, etc.

7. General description.

8. Bibliography (162 items).

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AMERICAN COUNCIL OF LEARNED SOCIETIES. *See* Michelson, T. Report on linguistic exped. James & Hudson B. 1936.

375. AMERICAN GEOGRAPHICAL SOCIETY, New York. Alaskan cables and telegraphs. (*Its*: Bulletin, Dec. 1903. v. 35, p. 494-95, map)

A map reduced from a U. S. War Dept. map showing completed cable lines in Alaskan waters, those proposed for the next year, the telegraph lines in operation in Alaska and British Columbia, with brief descriptive text.

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376. AMERICAN GEOGRAPHICAL SOCIETY, New York. Arctic meeting at Chickering Hall, November 21st, 1884. Reception of Lieut. A. W. Greely, and his surviving companions in the exploration of the Arctic. (*Its*: Journal, 1884, v. 16, p. 311-14)

Contents include remarks of Elial F. Hall, and by Lieut. A. W. Greely outlining the course and experiences of the Lady Franklin Bay Expedition.

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377. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. The Crocker Land Expedition. (*Its*: Bulletin, Mar. 1912, v. 44, p. 189-93, map)

Announcement of the plans for an expedition to reach and map "Crocker Land", with discussion of the sighting of such a land by Peary in 1906, and of the scientific work to be carried out on northern Ellesmere Island.

Note: George Borup, whose accidental death was chronicled on p. 429-31 of this Bulletin, was to have been one of the leaders. The expedition was postponed until 1913.

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378. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. Discovery of new islands in the arctic archipelago by Stefansson. (Geographical review, Mar. 1918, v. 5, p. 238-41, map)

Remarks on two despatches from V. Stefansson from Melville Island, Feb. 1917, and Herschel Island, Nov. 1917, telling of the discoveries of new islands. (Borden (and Brock), Meighen, Lough-
heed) among the northerly Canadian Arctic Islands during the Canadian Arctic Expedition, 1913-1918.

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379. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. Discovery of the North Pole. (*Its*: Bulletin, Sept. 1909, v. 41, p. 575-78)

Brief summaries of the reports made by Dr. F. A. Cook, and Commander R. E. Peary, of reaching the North Pole, April 21, 1908, and April 6, 1909, respectively.

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380. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. An expedition to the northern magnetic pole. A discussion before the American Geographical Society, May 2, 1892. (*Its*: Journal (Bulletin) 1892, v. 24, p. 215-61, fold, map)

Remarks on the original suggestion by W. H. Gilder in 1890, of an expedition to explore region around the North Magnetic Pole; correspondence of the U. S. Coast and Geodetic Survey, Treasury Dept., and National Academy of Sciences, concerning their interest in the matter; plan for a magnetic survey of the region prepared by C. A. Schott, and addresses by Prof. Trowbridge, Prof. Mayer, and General Greeley.

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381. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. First exploration of the Harvard Glacier, Alaska. (*Its*: Bulletin, Feb. 1915, v. 47, p. 117-19, illus.)

Based on a report by Dora Keen of a six weeks' field trip in the Prince William Sound region, summer 1914, to explore and map the unexplored part of the Chugach Mts. in which Harvard Glacier heads. Referring to photographs taken by earlier parties in the region, changes were determined in the glaciers of College Fiord, Harriman Fiord and Columbia Bay. *Copy seen*: DLC.

382. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. Further news of the explorer Radford's death. (Geographical review, Oct. 1916, v. 2, p. 301-02)

Details of the death of the zoologist H. V. Radford, apparently at the hands of Eskimos of Bathurst Inlet on June 5, 1912. Notes on Radford's explorations, accounts of which appear under his name in this Bibliography.

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383. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. Launching of the "Roosevelt". (*Its*: Bulletin, Apr. 1905, v. 37, p. 220-21, plate)

Description (in brief) of the Peary Arctic Club's ship, especially designed for the Peary Expedition, 1905-06.

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384. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. The non-existence of Peary Channel. (Geographical review, June 1916, v. 1, p. 448-52, map)

Review of opinions and circumstances connected with Peary's reporting the existence of a "channel" between Independence Fiord and Nordenskiöld Inlet, in 1892. This review followed receipt of Knud Rasmussen's report of the First Thule Expedition, in which he tells of mapping this disputed area in North Greenland in 1912.

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385. AMERICAN GEOGRAPHICAL SOCIETY, *New York*. Prince William Sound: the gateway to interior of Alaska. (*Its*: Bulletin, Dec. 1915, v. 47, p. 921-31 (incl. 3 p. of illus.) 2 sketch maps)

"Based in part on notes by G. T. Rude, U. S. Geological Survey, but in the main on" publications of various

agencies, and journals. Discussion of the possible railway routes from the Sound, by (1) the Copper and Delta Rivers, and (2) the Susitna and Nenana Rivers; remarks on the railroads already built, the roads, mountains, and economic resources of the region (agriculture, forests, mines, etc.), for which the railways should provide outlet.

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386. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. Problems of polar research; a series of papers by thirty-one authors. New York, 1928. 2 p. l., [iii]-iv p., 2 l., 3-479 p. illus., maps (1 fold.) diagrs. (*Its*: Special publications. No. 7, edited by W. L. G. Joerg)

A brief biographical note concerning each contributor appears at the beginning of his paper.

Contents include: NANSEN, F. The oceanographic problems of the still unknown arctic regions.

MARMER, H. A. Arctic tides.

CLAYTON, H. H. The bearing of polar meteorology on world weather.

STUPART, Sir R. F. The influence of arctic meteorology on the climate of Canada especially.

BAUER, L. A. Unsolved problems in terrestrial magnetism and electricity.

COLEMAN, A. P. Unsolved geological problems of arctic America.

TOLMACHOFF, I. P. Geology of arctic Eurasia.

TRANSEHE, N. A. Ice cover of the arctic sea.

KOLCHAK, A. V. Arctic pack and the polynya.

HARSHBERGER, J. W. Unsolved problems in arctic plant geography.

STEJNEGER, L. H. Unsolved problems of arctic zoogeography.

JENNESS, D. Ethnological problems of arctic America.

RASMUSSEN, K. J. V. Tasks for future research in Eskimo culture.

BOGORAZ, V. G. Ethnographic problems of the Eurasian Arctic.

STEFANSSON, V. Resources of the Arctic.

MILLER, D. H. Political rights in the polar regions.

BYRD, R. E. Polar exploration by aircraft.

WILKINS, Sir. G. H. Polar exploration by airplane.

ELLSWORTH, L. Arctic flying experiences.

NOBILE, U. Dirigible and polar exploration.

BARTLETT, R. A. Ice navigation.

MILLER, O. M. Air navigation methods.

Each of these papers appears in this Bibliography under its author's name.

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387. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. Proceedings of the Arctic meeting. (*Its*: Journal, 1874, pub. 1876. v. 6, p. 93-115)

Contains an address by Dr. I. I. Hayes delivered at a meeting held Feb. 16, 1874, "for the reception of the crew of the *Polaris*," also written statements by Capt. J. O. Buddington, G. E. Tyson, assistant navigator, H. C. Chester, chief mate, and William Morton, second mate, all concerning the voyage of the *Polaris* and its results.

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388. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. Seward, the terminus of Alaska's new railroad. (*Its*: Bulletin, Dec. 1915. v. 47, p. 931-34, illus., sketch map)

Based on information from various government documents, notes on the accessibility, harbor, and conveniences of the town, and on the resources of its environs on Kenai Peninsula.

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389. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. The Society's glacier-study program. (Geographical review, Oct. 1949. v. 39, p. 661)

Brief news note on the Juneau Ice Field Research Project activities, 1948-49.

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390. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. Stefansson finds new land. (*Its*: Bulletin, Oct. 1915. v. 47, p. 766-69)

Condensed from a report to the *New York Times*, Sept. 18, 1915. An account of the ice journey from Martin Point, Alaska to Banks Island, Mar.-June 1914, sledge trips by land to Cape Kellett (Banks Island), and to Victoria Island, winter 1914-15; the ice journey north, completing the survey of Prince Patrick Island and finding "New Land", Borden (and Brock) Island.

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391. **AMERICAN GEOGRAPHICAL SOCIETY**, *New York*. The unexplored areas of continental Canada. (Geo-

graphical review Mar. 1918, v. 5, p. 233-37, 2 maps)

Remarks upon data from G. M. Dawson, *On some of the larger unexplored regions of Canada*, 1890, and C. Cam-sell, *The unexplored areas of continental Canada*, 1911; with maps and tables of square mileage. **Copy seen:** DLC.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Daly, C. P., & others. Arctic meeting, Lord Dufferin. 1878.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Forbes, Alexander, & others. Flight to Cape Chidley. 1936.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Miller, M. M. Aerial survey Alaskan glaciers, 1947. 1949.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Miller, M. M. Progress report Juneau Ice Field 1948. 1949.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Tarr, R. S., & L. Martin. Glaciers & glaciation, Yakutat Bay. 1906.

AMERICAN GEOGRAPHICAL SOCIETY, *New York*. See also Wood, W. A. Parachuting exped. supplies. 1942.

AMERICAN GEOPHYSICAL UNION. Section of Hydrology. Committee on glaciers. See Matthes, F. E. Variations glaciers U. S. & Alaska. 1939.

392. AMERICAN GEOPHYSICAL UNION. SECTION OF VOLCANOL-OGY. Symposium on scientific co-operation in the Aleutian Islands. (American Geophysical Union. Transactions, 1926. v. 7, p. 120-34)

A presentation of contemporary problems and needs in the development of research on the Aleutian area.

Contents: Jaggar, T. A. Scientific co-operation in the Aleutian Islands, p. 120. Bowie, Wm. The Aleutian Islands from the standpoint of the geodetist and chart-maker, p. 121-24. Fenner, C. N. Magmatic problems of the Aleutians, p. 124-27. Neumann, F. The need for seismologic observatories in the Aleutian Islands, p. 127-130. Ault, J. P. Problems in terrestrial magnetism and atmospheric electricity pertaining to

the Aleutian Islands, p. 131-34. Mitchell, C. L. Meteorological observations in the Aleutian Islands (abstract), p. 134. **Copy seen:** DLC.

AMERICAN MEAT INSTITUTE. See Stefansson, V. Adventures in diet. 1937.

AMERICAN MEDICAL ASSOCIATION. See Barnett, H. E., & others. Medical conditions in Alaska. 1947.

AMERICAN MUSEUM OF NATURAL HISTORY, *New York*. See Boas, F. Gleanings from Emmons collection. 1888.

AMERICAN MUSEUM OF NATURAL HISTORY, *New York*. See also Jaques, F. L. Birds Little Diomedes. 1929.

AMERICAN MUSEUM OF NATURAL HISTORY, *New York*. See also Stefansson, V. My life with the Eskimo. 1913.

AMERICAN MUSEUM OF NATURAL HISTORY, *New York*. See also Stefansson, V. My life with the Eskimos. abridged ed. 1927.

AMERICAN MUSEUM OF NATURAL HISTORY, *New York*. See also Stefansson, V. Stefansson-Anderson Arctic exped. 1919.

393. AMERICAN ORNITHOLOGISTS' UNION. Check-list of North American birds, prepared by a committee of the American Ornithologists' Union. 4th ed., constituting the "Systema avium" for North America north of Mexico. Lancaster, Pa., 1931. xix, 526 p.

Earlier editions were published in 1886, 1895, and 1910; with eighteen supplements issued between editions prior to 4th ed.

Classified list, covering birds of the United States, Alaska, Canada and Greenland with synonyms, references, common names, and ranges of all species and subspecies recorded to the end of the year 1930; also a list of fossil birds. Indexed. **Copy seen:** DSI-M.

394. AMERICAN SOCIETY OF MECHANICAL ENGINEERS. Symposium on arctic and winter flying. (Aviation engineering, Mar. 1933. v. 8, no. 3, p. 21-24)

Abstracts of papers presented before a meeting of the society, 1933.

Contents: McDonough, W. J. The airplane as an aid to mineral explora-

tion and the operation of aircraft in subzero temperatures.

Balchen, B. Operations under winter and polar conditions.

Stefansson, V. Lecture on the possibility of air transport across the North Pole.

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395. AMONG THE DEEP SEA FISHERS, the official publication of the International Grenfell Association. New York, 1903- (in progress). v. 1-49 (1903-1949), illus., plates, maps.

Quarterly journal for general readers, containing brief accounts of the medical and other mission work among natives of the east coast of Labrador and northern Newfoundland, originally organized by Sir Wilfred Grenfell. Includes notes on the hospital and nursing stations, children's homes, hospital and supply ships; the industrial and agricultural training for Labrador fishermen, Eskimos and Indians. Includes also articles descriptive of the nature of the country and life of those who live there.

File seen: CtY ([9]+); DLC (v.12- [17-18] 23+); MH-M (13+).

AMORY, COPLEY. See Riley, J. H. Annotated catalogue of birds of NE. Siberia. 1919.

AMUNDSEN, GUSTAV SAHLQUIST, 1894- . See Amundsen, R. E. G., & others. First crossing Polar Sea. 1927.

AMUNDSEN, GUSTAV SAHLQUIST, 1894- . See also Amundsen, R. E. G., & others. Første flukt over Polhavet. 1926.

396. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. K Siëvernomu magnitnomu poliūsu i che-rez Siëvero-Zapadnyi prokhod. (Vse-soiūznoe geograficheskoe obshchestvo. Izvēstīia, 1907. T. 43, p. 181-213, 4 plates) *Title tr.:* To the North Magnetic Pole and through the Northwest Passage.

A general report delivered before the Geographic Society (May 8, 1907) of the author's 1903-06 expedition in the *Gjøa*, with a sketch of the Netsilik Eskimos (p. 203-211).

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397. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. Mitt liv som polarforsker. Oslo, Gyldendal, Norsk forlag, 1927. 3 p. l, [9]-256 p.

plates, ports. *Title tr.:* My life as a polar explorer. Published in English as *My life as an explorer*.

Contents include accounts of the *Gjøa* Expedition, 1903-1906, through the Northwest Passage; the *Maud* Expedition, 1918-1925, along the Siberian coast; the author's attempted polar flight with Lincoln Ellsworth in the *N24* and *N25*, 1925, and the Amundsen-Ellsworth-Nobile polar flight, 1926, in the *Norge* from King's Bay, West Spitsbergen over the North Pole to Alaska. Includes also discussions of V. Stefansson's book, *The Friendly Arctic*, and his views on the "blond Eskimos", Nobile and the *Norge*, and problems in methods and equipment of arctic expeditions.

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398. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. My life as an explorer. Garden City, Doubleday, Page, 1927. 4 p. l, 282 p. incl. illus. (facsim.) maps, diagr., front.

Translation, with index, maps, facsimiles and diagram added and plates omitted, of the author's *Mitt liv som polarforsker*, q.v.

Copy seen: DLC.

399. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. Nordostpassagen. Maudfaerden langs Asiens kyst 1918-1920. H. U. Sverdrups ophold blandt Tsjuktsjerne. Godfred Hansens depotekspedition 1919-1920. Kristiania [etc.] Gyldendal, 1921. 3 p. l, 467 p. illus., plates, ports, 4 fold. maps, facsim. *Title tr.:* The Northeast Passage. The voyage of the *Maud* along the coast of Asia 1919-1920. H. U. Sverdrups sojourn among the Chukchis. Godfred Hansen's Depot Expedition, 1919-1920.

Popular narrative of the first two years of the *Maud* Expedition, 1918-25, under Amundsen, undertaken to attempt a drift in waters north of Siberia and to make oceanographic, meteorological, aerological and magnetic observations.

Contains plans for the expedition, account of the voyage from Norway, July 1918, via Khabarovo and Dikson Harbor to the Cape Chelyuskin coast and the wintering there, Sept. 1918-Aug. 1919. Describes the preparation of the *Maud* for wintering, erection of an observatory on the coast, daily life, hunting and sledge trips during the spring of 1919 to explore and map Cape Chelyuskin.

Text of Amundsen's diary, Aug. 5, 1919-July 27, 1920, describing the departure Aug. 1919, of Tessem and Knudsen, taking scientific results and mail to Dikson Harbor; remarks on weather and ice conditions, the further voyage of the *Maud* to Ayon Island (69°50'N. 169°E.) the wintering there, 1919-20, and the spring voyage eastward, reaching Nome on July 27, 1920.

Account (p. 398-420), by Helmer Hanssen, of his and Tønnesen's sledge trip Dec. 1919-June 1920, from the winter quarters at Ayon Island to Anadyr' to telegraph to Norway news of the expedition.

Sverdrup's account of his sojourn among Reindeer Chukchis and Lamuts (p. 255-391) and Godfred Hansen's of the Third Thule Expedition (p. 437-62) appear in this Bibliography under the authors' names.

Later course of the expedition (1922-25) is described in H. U. Sverdrup, *Tre år i isen med Maud*, 1926, q.v.

Maps show the route of the *Maud*, 1918-20; the Chukotsk Peninsula with routes of sledge trips (1:500,000); the northeastern coast of the Taymyr Peninsula (1:100,000); and the country between Chaun Bay and the Kolyma River, indicating the route of Sverdrup's trip with the Chukchis to and from their winter camp (1:406,600).

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400. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. Nordvestpassagen; beretning om Gjæa-ekspeditionen 1903-1907. Med et tillæg av premierløjtnant Godfred Hansen. Kristiana, H. Aschehoug, 1907. xv, 511 p. illus., 3 maps (incl. 2 fold) *Title tr.:* The Northwest Passage; report of the *Gjæa* Expedition, 1903-1907. With a supplement by First Lieutenant Godfred Hansen. Published in English as *The North West Passage; being the record of a voyage of exploration of the ship "Gjæa" 1903-1907.*

Narrative of the Norwegian arctic expedition of seven members led by Amundsen in the *Gjæa*, 1903-1906, with the purpose of navigating the Northwest Passage and investigating magnetic conditions in the region of the North Magnetic Pole.

Contains descriptions of the voyage to the Canadian Arctic, the wintering at Gjæa Haven on King William Island, 1903-1904 and 1904-1905, the magnetic

work, the Eskimos, boat and sledge trips, the passage through the straits, to King Point (Yukon Territory), the wintering (1905-1906) there, the Eskimos of the Mackenzie delta region, a visit to Herschel Island, the voyage to Nome, Alaska; with remarks throughout on equipment, food, hunting, travel and weather conditions.

Supplement v. 2, p. 296-364, is Godfred Hansen's account of three cartographic trips in 1904 and 1905, especially that along the east coast of Victoria Island (King Haakon VII Coast).

The scientific results of the expedition are listed in this Bibliography under "Gjæa" Expedition, 1903-1906, q.v.

Copy seen: DLC.

401. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. The Northwest Passage. (Harper's magazine, Apr. 1907. v. 114, p. 659-74, illus., plate)

Account of the *Gjæa* Expedition's winterings on King William Island, 1904-1906; comment on the Netsilik Eskimos and sledge journey to the magnetic pole, etc.

Copy seen: DLC; NNS Stef.

402. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. "The North West Passage"; being the record of a voyage of exploration of the ship "Gjæa" 1903-1907, by Roald Amundsen, with a supplement by First Lieutenant Hansen, vice-commander of the expedition; with about one hundred and thirty-nine illustrations and three maps. London, Constable, 1908. 2 v. v. 1: xiii, 335 p.; v. 2: ix, 379 p.; fronts. illus., plates, ports., 3 maps (2 fold. in pockets) Translation, with index added and some enlargement of illustrations, of the author's *Nordvestpassagen; beretning om Gjæa-ekspeditionen*, q.v.

Copy seen: DLC.

403. AMUNDSEN, ROALD ENGEL-BREGT GRAVNING, 1872-1928. En paataenkt undersøgelsesreise til den magnetiske nordpol; foredrag den 25de november 1901. (Norsk geografisk selskab. Aarbok, 1899-1900, p. 167-76, map) *Title tr.:* A proposed expedition to the Magnetic North Pole; lecture given November 25th, 1901.

Plans for the *Gjæa* Expedition, 1903-1906.

Copy seen: DLC.

404. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928. Plan for en polarfaerd 1910-1917; foredrag tirsdag den 10. november 1908 med efter følgende bemærkninger af professorerne Mohn og Nansen. (Norske geografiske selskab. Aarbok, 1908-09, p. 55-75. *Title tr.*: Plan for a polar expedition, 1910-1917; lecture given Tuesday November 10th, 1908, with subsequent remarks by Professors Mohn and Nansen.)

Plans, which materialized as the *Maud Expedition*, 1918-1925, to investigate the extent, depth and character of the Arctic Basin north of the route taken by Nansen on the *First Fram Expedition*, 1893-96.

Copy seen: DLC.

405. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928. A proposed north polar expedition. (Geographical journal, Apr. 1909, v. 33, p. 440-62, illus. (incl. map) diags.)

Paper read before the Royal Geographical Society, Jan. 1909, containing statement of oceanographic, physiographic, and other problems of the north polar sea, with remarks on instruments available since Nansen's voyages, and the plans of the author for further research; followed by discussion from F. Nansen, Sir Clements Markham, Sir Lewis Beaumont, and others (p. 456-62).

Copy seen: DLC.

406. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928. To the North Magnetic Pole and through the Northwest Passage (Geographical journal, May, 1907, v. 29, p. 485-58, illus., map.)

Brief account of the *Gjøa Expedition*, 1903-1906, read at the Royal Geographical Society meeting, Feb. 11, 1907, and reprinted in the Annual report of the Smithsonian Institution for the year ending June 30, 1906 (p. 249-73). The expedition is described in full in the author's *Nordvestpassagen*, q.v.

Copy seen: DLC.

407. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928. Zur Erforschung des Nordpolarbeckens. (Annalen der Hydrographie und maritimen Meteorologie, Jan. 1909, Jahrg. 37, p. 8-17, chart) *Title tr.*: On the exploration of the North Polar Basin.

Lecture delivered before the Geographical Society in Kristiania (Oslo) Nov. 10, 1908, with essentially the same matter as appeared in his *A proposed north polar expedition*, 1909, q.v.

Copy seen: DLC.

408. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928, and others. Amundsen-Ellsworths polflyvning 1925. Gjennem luften til 88° nord. Oslo, Gyldendal, Norsk forlag, 1925. 4 p. l., 11-278 p., 1 l. illus. (maps) plates, ports. *Other authors:* Hj. Riiser-Larsen; Leif Dietrichson; Fredrik Ramm; Jakob Bjerknes. *Title tr.*: The Amundsen-Ellsworth polar flight 1925. Through the air to 88°N.

Published in London as *My polar flight*, q.v., in New York as *Our polar flight*; the *Amundsen-Ellsworth polar flight*, q.v., and in Paris as *En avion vers le pôle nord*.

Narrative of the Amundsen-Ellsworth North Polar Flight, 1925, for purpose of exploring by air the unknown region between Svalbard and the North Pole. Contains (1) account, by Amundsen, of the ocean voyage to West Spitsbergen, the flight of the flying boats *N24* and *N25* from Spitsbergen, the forced landing at 87°44'N.; stay on the ice for a month and safe return to West Spitsbergen; (2) discussion, by H. Riiser-Larsen, of the flying boats and their transportation from Stalø to West Spitsbergen, the instruments, equipment, clothing, food, ice navigation, etc.; (3) report, by L. Dietrichson, the pilot of the *N24* from the start until the crew joined the *N25* party; (4) excerpts from the diary kept by the journalist F. Ramm, while awaiting the return of the flying parties on West Spitsbergen; and (5) report by the meteorologist, Dr. J. Bjerknes, on weather conditions and meteorological observations made.

Copy seen: CaOG (Paris ed.); DLC (Oslo ed.)

409. AMUNDSEN, ROALD ENGEL-BRETT GRAVNING, 1872-1928, and others. First crossing of the polar sea. New York, George H. Doran, 1927. 324, illus., plates, ports., facsim., map.

Other authors: Lincoln Ellsworth; Gustav S. Amundsen; B. L. Gottwaldt; Joh. Høyer; Finn Malmgren; Hj. Riiser-Larsen.

Translation, with index and some

illustrations added, some omitted, of *Den første flukt over Polhavet*, q.v.

Copy seen: DLC.

410. AMUNDSEN, ROALD ENGELBREGT GRAVNING, 1872-1928, and others. *Den første flukt over Polhavet*. Oslo, Gyldendal, Norsk forlag, 1926. 264 p. illus. (diagrs.) plates, ports., fold. map. *Other authors:* Lincoln Ellsworth; G. S. Amundsen; B. L. Gottwaldt; John Høver; Finn Malmgren; Hj. Riiser-Larsen. *Title tr.:* The first flight across the polar sea. Published in English as *The first crossing of the polar sea*, 1927.

Narrative of the Amundsen-Ellsworth-Nobile North Polar Flight, 1926, in the airship *Norge* from King's Bay, West Spitsbergen, over the North Pole to Teller, Alaska. Contains (1) discussion of the planning of the expedition; account of the flight of the *Norge* from Rome to West Spitsbergen and its arrival at King's Bay; biographical sketches of the members of the expedition and accounts of the flight across the north polar sea and the journey home; with discussion, by J. Høver, on the construction of a hangar and mooring masts at King's Bay; (2) discussion, by H. Riiser-Larsen, navigator, and second-in-command of the expedition, of air navigation, the flight, advantages of an airship in polar regions and equipment; (3) discussion, by F. Malmgren, of weather conditions and weather warnings during the flight; and (4) discussion, by B. L. Gottwaldt, of the radio station and the radio service on board the *Norge* during the flights from Rome to King's Bay and from King's Bay to Alaska.

Copy seen: DLC.

411. AMUNDSEN, ROALD ENGELBREGT GRAVNING, 1872-1928, and others. Our polar flight; the Amundsen-Ellsworth polar flight, by Roald Amundsen, Lincoln Ellsworth and other members of the expedition; illustrated from photographs taken on the expedition. New York, Dodd, Mead, 1925. viii, 373 p. front., plates, ports., maps. *Other authors:* Lincoln Ellsworth; Hjalmar Riiser-Larsen, L. Dietrichson; Fredrik Ramm; Jakob Bjerknes.

Translation of *Amundsen-Ellsworths polflyvning 1925, gjennom luften til 88° nord q.v.* with an additional chapter by Ellsworth describing the flight.

Also published under title *My polar flight*, in London by Hutchinson, 1925 (292 p.)

Copy seen: DLC (both editions).

AMUNDSEN, ROALD ENGELBREGT GRAVNING, 1872-1928. *See also* *Gjøa Expedition, 1903-1906*. Scientific results. 1930-33.

AMUNDSEN, ROALD ENGELBREGT GRAVNING, 1872-1928. *See also* Hansen, G. Tredje. Thule-exped. 1922.

AMUNDSEN, ROALD ENGELBREGT GRAVNING, 1872-1928. *See also* Nansen, F. Northern waters, Amundsen oceanographic observ. 1901. 1906.

AMUNDSON, K. A. B. *See* Svenska sällskapet för antropologi och geografi, *Stockholm*. Andrée's story. 1930.

AMUNDSON, K. A. B. *See also* Svenska sällskapet för antropologi och geografi, *Stockholm*. Dem Pol entgegen. 1930.

AMUNDSON, K. A. B. *See also* Svenska sällskapet för antropologi och geografi, *Stockholm*. En ballon vers pôle. 1931.

AMUNDSON, K. A. B. *See also* Svenska sällskapet för antropologi och geografi, *Stockholm*. Med Örnen mot polen. 1930.

412. AMY, W. LACEY. The floating menace; the icebergs of Labrador. (Canadian magazine, Apr. 1912. v. 38, p. 513-19, illus.)

Journalist's account of bergs seen in the coastal waters of Labrador Sea.

Copy seen: DLC.

413. AMY, W. LACEY. The liveyeres, Labrador's permanent population. (Canadian magazine, Mar. 1912. v. 38, p. 455-61, illus.)

Description for general readers of customs and behavior of Eskimo half-breeds, and others encountered along the coast of Labrador.

Copy seen: DLC.

414. AN DER LAN, HANNES. Ergebnisse einer von E. Reisinger und O. Steinböck mit Hilfe des Rask-Ørsted Fonds durchgeführten zoologischen Reise in Grönland 1926. 7. Acoela I. (Dansk naturhistorisk forening. Videnskabelige meddelelser 1936. Bd. 99, p. 289-330, illus., 3 plates) *Title tr.:* Re-

sults of a Zoological Expedition to Greenland, by E. Reisinger and O. Steinböck, 1926, with the aid of the Rask-Ørsted Fund. 7. Acoela I.

Contains detailed description of the anatomy of this group of flatworms, and a list, with descriptions and localities of six new genera, eight new species, and one species already known, from the coastal waters of West Greenland; with a bibliography (19 items).

Copy seen: DSI-M.

415. ANAN'EV, P. M. Nordvikskaiā sol' real'na. (Sovetskaiā Arktika, 1936, no. 4, p. 46-51, illus.) **Title tr.:** Nordvik salt is a reality.

Plans for construction and operation of a salt mine at Nordvik.

Copy seen: DLC.

416. ANAN'EV, V. V. Stroitel'stvo novykh pohárnykh stantsii. (Sovetskaiā Arktika, 1936, no. 4, p. 27-30, maps) **Title tr.:** Construction of the new polar stations.

Description of five hydro-meteorological stations planned for construction in 1936: (1) in the Blagopoluchiya Bay region (75°35'N.63°42'E.); (2) on the southern coast of Kotel'nyy Island (71°30'N.140°E.) to investigate navigation possibilities in Sannikov Strait; (3) on one of the islands of the De-Long archipelago; (4) on Cape Chaplin (64°24'N.172°14'W.); and (5) the Pereval'naya Station, at the highest point of the massif in the center of the Chukotka. In addition, the polar stations on Rudolf Island, closed in 1933, and on Severnaya Zemlya, closed in 1934, are to be reestablished, and the magnetic station on Matochkin Shar, burnt in 1935, will be rebuilt.

Copy seen: DLC.

417. ANAN'IAN, A. A. K voprosu o deistvii postofánnogo élektricheskogo toka na grunty. (Akademiā nauk SSSR. Yakutskaiā nauchno-issledovatel'skaiā merzlotnaiā stantsiā. Issledovanie vechnoi merzloty v Yakutskoi respublike. 1942. Vyp. 1, p. 86-97, diags.) **Title tr.:** The effect of direct electric current on the ground.

Results of experiment of the Yakut Permafrost Station of the Academy of Sciences, U.S.S.R. Includes data on mechanical processes in permafrost caused by the electricity.

Copy seen: DLC.

ANAUTA, see Blackmore, Anauta (Ford) Blackmore.

418. ANCOR, CHARLES, and others. Tides. (In: International Polar Expedition 1882-1883. Report of the International Polar Expedition to Point Barrow, Alaska, 1885. P. 675-82, plate)

Contains half-hourly readings of tidal observations off the scientific station, Feb. 26-June 17, 1883, made by Charles Ancor, A. C. Dark, J. A. Guzman, J. E. Maxfield, John Murdoch and Middleton Smith. Includes description of the gauge and its use.

Copy seen: DLC.

419. ANDERSEN, ASTRID. En sommerrejse i Diskobukten og Umanak-fjorden. (Ymer, 1897. Årg. 17, p. 21-39) **Title tr.:** A summer journey in Disko Bay and Umanak Fiord.

Account of a trip in the Disko region of West Greenland, with description of the country.

Copy seen: DLC.

420. ANDERSEN, C. H., 1835-1864. Om Spetsbergsrenen, *Cervus tarandus*, forma *spetsbergensis*. (Svenska vetenskapsakademien. Oversigt af förhandlingar, 1862. Årg. 19, p. 457-61) **Title tr.:** On the Spitsbergen reindeer, *Cervus tarandus*, forma *spetsbergensis*.

Discussion of skeletal remains of reindeer, collected during the Swedish Expedition to Spitsbergen, 1858.

Copy seen: DLC.

421. ANDERSEN, FRODE SØGAARD, 1911- East Greenland lakes as habitats for chironomid larvae. Studies on the systematics and biology of Chironomidae, II. København, 1946. 65 p. illus., 2 plates. (Meddelelser om Grønland. Bd. 100, nr. 10)

Based on work during the Three-Year Expedition to King Christian X's Land, 1931-34, under the leadership of Lauge Koch; results of a quantitative investigation of the bottom fauna of three high arctic lakes (on Cape Oswald 72°50'N.25°W.) Includes data on bottom sediments, hydrogen sulfide and oxygen tension of the lakes, hibernation of the predominating chironomid larvae, zonation, animal communities, and types of lakes.

Copy seen: DLC; DGS; DSI-M.

422. ANDERSEN, FRODE SØGAARD, 1911- Ueber die Metamorphose der Ceratopogoniden und Chironomiden

Nordost-Grönlands. København, C. A. Reitzel, 1937. 95 p. incl. illus., map. (Meddelelser om Grønland. Bd. 116, nr. 1) *Title tr.*: On the metamorphosis of the ceratopogonids and chironomids of northeast Greenland.

Results of the Three-Year Expedition to King Christian X's Land, 1931-34, during which the author made these studies while wintering on Ella Island. He gives detailed descriptions of developmental stages of insects belonging to thirty-three genera and subgenera, with some keys. Of these descriptions, thirteen are new. Of the thirty-three species included in the study, five are new to science, thirteen new to the Arctic, and six new to East Greenland. Bibliography (51 items). *Copy seen*: DGS; DSI-M.

423. ANDERSON, ALEXANDER CAULFIELD. The rationale of an open sea in the North Polar region, considered with reference to analogous developments during winter in the interior lakes of North America. (Royal Geographical Society. Proceedings, Feb. 10, 1873. v. 17, p. 133-38)

Discussion of polynyas (sea-water areas encompassed by ice), the possible higher temperature at the North Pole, and the supply of heat brought into the polar basin by warm currents and river water. *Copy seen*: DLC.

424. ANDERSON, ALEXANDER CAULFIELD. Some remarks upon the freezing of streams in North America, in connexion with the supposed congelation of their sources in high latitudes. (Royal Geographical Society. Journal, 1845. v. 15, p. 367-71)

Contains a discussion of the mode of formation of ice on the surface of swift rivers, and some remarks (in general) on the possible occurrence of permafrost as related to springs. *Copy seen*: DLC.

425. ANDERSON, ALFRED BERNHARD CORNELIUS, 1906-, and others. Soil-moisture conditions and phenomena in frozen soils. (American Geophysical Union. Transactions, 1942. v. 23, p. 356-71, diags.) *Other authors*: J. E. Fletcher and N. E. Edlefsen.

Discussion of "some of the general characteristics of observations in laboratory and field related to freezing of soil-moisture," and of the "basic ther-

modynamic theory requisite to an interpretation of these observations in relation to the movement moisture associated with frozen soils." Includes (p. 364-71) discussion from the floor. *Copy seen*: DLC.

426. ANDERSON, ANTON. "Hay" day for Anchorage. (Alaska life, May 1940. v. 3, no. 5, p. 22-23, illus.)

Note on methods of hay making in the Anchorage region. *Copy seen*: DLC.

427. [ANDERSON, DAVID] *Bishop of Rupert's Land, 1814-1885*. The net in the Bay; or, Journal of a visit to Moose and Albany. London, T. Hatchard, 1854. xvi, 276 p. fold. map.

Account by the first Church of England bishop of Rupert's Land, of a canoe trip down the Albany River to James Bay and return, 1852, describing the country, and missionary activities. Second edition published 1873 (xvi, 328 p.) has added chapter, p. 299-328, summarizing events in the area, 1852-72.

Copy seen: DLC (both editions); NNS-*tef* (1854).

428. ANDERSON, ESKIL. Asbestos and jade occurrences in the Kobuk River region, Alaska. Juneau, 1945. 26 p. 4 sketch maps. (Alaska. Dept. of Mines. Pamphlet no. 3-R)

First issued May 1945; rev. to Dec. 1945. *Copy seen*: DLC; NNS-*tef*.

429. ANDERSON, ESKIL. Mineral occurrences other than gold deposits in northwestern Alaska. Juneau, Alaska, 1944 (rev. 1947). 48 p. sketch map. (Alaska. Dept. of Mines. Pamphlet no. 5-R)

List, with localities and brief notes on present development, of metallic and nonmetalliferous deposits within the area west and north of a line between the Yukon River delta and Heald Point (about 200 miles southeast of Barrow). *Copy seen*: NNS-*tef*.

430. ANDERSON, EVA GREENSLIT. Dog-team doctor; the story of Dr. Romig. Caldwell, Id., Caxton Printers Ltd., 1940. 298 p. 19 plates, ports., 2 facsim. on 1 l. maps on lining-papers.

Joseph Herman Romig was medical missionary, superintendent of schools, physician for southwestern Alaska, United States commissioner, railroad

surgeon and chief of the railroad hospital staff between 1896-1939. He served mostly in the Kuskokwim region among the West Alaska Eskimos, and eastward along the southern Alaskan coast to Anchorage.

Copy seen: DLC; NNStef.

431. ANDERSON, GEORGE. Enemies of the caribou. (Beaver, June 1937. Outfit 268, no. 1, p. 30-32, illus.)

Discussion of the use of caribou by the Eskimos of the Barren Grounds, and four factors menacing the existence of these animals: wanton killing, civilization, predatory animals, and disease.

Copy seen: DSI-M.

432. ANDERSON, GEORGE. A whale is killed. (Beaver, Mar. 1947. Outfit 277, no. 4, p. 18-21, illus.)

Account of the capture and processing of a Greenland whale, by Cumberland Sound Eskimos in 1946. Author describes hunting equipment and modern methods of flensing, rendering, etc., of the whale, for use.

Copy seen: DSI-M.

433. ANDERSON, H. A. Anderson's incubators. (Alaska sportsman, July 1936. v. 2, no. 7, p. 14, 26-27, illus.)

Account of hatching hen's eggs under cormorants, in Skilak Lake, Kenai Peninsula, Alaska; with notes on cormorants.

Copy seen: DLC.

434. ANDERSON, HOBSON DEWEY, 1897- , and WALTER CROSBY EELLS. Alaska natives; a survey of their sociological and educational status, made under the auspices of the School of Education of Stanford University, at the request of the United States Office of Education, supported by a grant from the Carnegie Corporation of New York. Stanford University, Calif. Stanford University Press. London, H. Milford, Oxford University Press, 1935. xvi, 472 p. incl. illus. plates, ports., maps, plans, tables, diagrams, fold. front. (map).

Based on field work, 1930-31, chiefly among the Aleuts and West Alaska Eskimos, but also (briefly) among the southwestern Indians. *Contents:* Pt. 1. A sociological study of the Alaska Eskimos. (Origin, early and present-day habitat, physical appearance, material possessions, vital statistics, health, social organization and relationships, economic status, and contact with the

white man). Pt. 2. An educational study of the Alaska natives. (Organization, administration and cost of the native school system; educational staff, pupil placement and progress; measurement of abilities and achievement; curriculum, industrial schools, supervision, health and building programs, records, research and recommendations). Bibliography (52 items) and index.

Copy seen: DLC; NNStef.

435. ANDERSON, I. M. C. Is there a future for livestock in Alaska? (Western livestock journal, 1944. v. 22, no. 49, p. 13, 66-71; no. 59, p. 26, 124, 126; v. 23, no. 6, p. 24, 79-80, illus.)

History of cattle raising in Alaska, and an account of beef and dairy herds, their feeding and other problems, in the interior, Matanuska-Susitna valleys, Kenai Peninsula, and other south coast localities and islands.

Copy seen: DA.

436. ANDERSON, J. W. Beaver sanctuary. (Beaver, June 1937. Outfit 268, no. 1, p. 6-11, incl. 2 p. illus.)

Information for the general reader on the sanctuaries around James Bay: (1) at Rupert House, established in 1931; (2) on Charlton Island, originally established by Hudson's Bay Co. in 1851 and reopened by the Canadian government, 1934; and (3) on Agamiski (Akimiski) Island west side of James Bay, 1935.

Copy seen: DSI-M.

437. ANDERSON, J. W. Peacetime voyage. (Beaver, Dec. 1946. Outfit 277, no. 3, p. 44-47, illus.)

Brief account of the first peacetime voyage of the *Nascope* for seven years, in 1946, with remarks on ice conditions in the Canadian Eastern Arctic from Hudson Bay to Devon Island.

Copy seen: DSI-M.

438. ANDERSON, J. W. 7000 square miles of beaver sanctuary. (Beaver, June 1934. Outfit 265, no. 1, p. 16-18, illus.)

General account of the Hudson's Bay Co. Rupert House sanctuary, eastward from James Bay to 76°W., between Rupert and Eastmain Rivers.

Copy seen: DLC.

439. ANDERSON, JACOB PETER, 1874- *Botrytis cinerea* in Alaska. (Phytopathology, Mar. 1924. v. 14, p. 152-55, plate)

Contains notes on prevalence, infection, host relations, and list of host genera, of this parasitic fungus in southeastern Alaska.

Copy seen: NNStef.

440. ANDERSON, JACOB PETER, 1874- Flora of Alaska. (Alaska sportsman, Apr. 1936-Jan. 1940. v. 2, no. 4, p. 18, no. 5, p. 22, no. 6, p. 25, no. 7, p. 22, no. 8, p. 26, no. 9, p. 26, no. 10, p. 22, no. 11, p. 25; v. 3, no. 6, p. 26, no. 8, p. 29, no. 11, p. 25; v. 4, no. 5, p. 28, no. 7, p. 31, no. 11, p. 23; v. 5, no. 1, p. 26, no. 4, p. 32, no. 6, p. 29; v. 6, no. 1, p. 29, illus.)

Brief articles on wildflowers and ferns, giving descriptions, range and habitats.

Copy seen: DLC.

441. ANDERSON, JACOB PETER, 1874- Flora of Alaska and adjacent parts of Canada; an illustrated descriptive text of all vascular plants known to occur within the region covered. Part I-VIII. (Iowa State College journal of science, 1943-50. v. 18, p. 137-75, 381-445; v. 19, p. 133-205; v. 20, p. 213-57, 297-347; v. 21, p. 363-423; v. 23, p. 137-87; v. 24, p. 219-71. 40 plates, sketch-map)

Based on the author's collections from various parts of Alaska (where he was long resident), from some of the Aleutian and Bering Sea Islands, also on gifts and exchanges of specimens from various sources. The area treated includes also Yukon Territory and the northwesternmost part of British Columbia. The systematic list gives keys to the species, descriptions, and notes on distribution. Pt. 8 taking the study to the family Campanulaceae, is the latest part available.

Copy seen: DA.

442. ANDERSON, JACOB PETER, 1874- Plants used by the Eskimos of the northern Bering Sea and arctic regions of Alaska. (American journal of botany Nov. 1939. v. 26, p. 714-16)

Based on investigations during the summer of 1938; Notes on use and methods of preparation of the plants for food, etc.; also a list of forty species, giving Latin and Eskimo names.

Copy seen: DLC; NNStef.

443. ANDERSON, JAMES. Chief Factor James Anderson's Back River journal of 1855. (Canadian field naturalist, 1940-41. v. 54, p. 63-67, 84-89, 107-

109, 125-26, 134-36; v. 55, p. 9-11, 21-26, 38-44, map)

Contents of a field note-book (with annotations by C. H. D. Clarke) on a Hudson's Bay Company expedition in search of Sir John Franklin; record of a journey from Fort Simpson to Chantrey Inlet via Great Slave Lake and Back River and return, May-Sept. 1855. Includes detailed notes on the route, with many observations on the natural history of the region.

Copy seen: DLC.

444. ANDERSON, JAMES. Extracts from the Chief-Factor James Anderson's arctic journal. (Royal Geographical Society. Journal, 1857. v. 27, p. 321-28)

Communicated to the society by Sir John Richardson, that section of Anderson's "Back River journal of 1855," relating immediately to the search for Sir John Franklin from Elliot Bay to Point Ogle on Chantrey Inlet, and on Montreal Island.

Copy seen: DLC.

445. ANDERSON, JAMES. Letter from Chief Factor James Anderson, to Sir George Simpson . . . Governor in Chief of Rupert Land. (Royal Geographical Society. Journal, 1856. v. 26, p. 18-25)

Contains a report (in brief) of the journey in 1855 from Great Slave Lake, via Back River to Chantrey Inlet and the islands at its mouth, in search of Sir John Franklin.

Copy seen: DLC.

ANDERSON, JAMES, see also Tyrrell, J. B. Story of Franklin search expedition. 1909.

ANDERSON, M. B. A., see Hantzsch, B. A. Contribution to knowledge of avifauna NE. Labrador. 1928-29.

ANDERSON, MYRON SALLEE, 1887-, see Feustel, I. C., & others. Properties soils N. American arctic regions. 1939.

446. ANDERSSON, NILS JOHAN, 1821-1880. Plantæ vasculares circa Quickjock Lapponiae Lulensis, I-II. Praeside Elia Fries. Auctore Nicol. Johannes Anderson. Upsaliae, Wahlström & Låstrom, 1844-45. 36 p. (Pars 1, 1844, p. 1-16; Pars 2, 1845, p. 17-36)

Title tr.: Vascular plants of the Qvikkjokk region of Lule Lappmark, I-II.

Contains, in this dissertation, a geographical and geobotanical survey and an enumeration of over three hundred

species of plants growing in this region of northeastern Sweden.

Copy seen: NNBG.

447. ANDERSSON, NILS JOHAN, 1821-1880, and T. I. SUBER. *Conspectus vegetationis Lapponiae*. Upsaliae, Wahlström & Co., 1846. x, 39 p. *Title tr.:* *Conspectus of the vegetation of Lapland*.

Contains data on the vegetation of Lapland, including Scandinavian regions and Kola Peninsula, arranged by natural geobotanical division; bibliographical footnotes.

Copy seen: NNBG.

ANDERSSON, NILS JOHAN, 1821-1880, *See also* Nos. 479-487.

ANDERSON, ROY, *see* Alaska. Development Board. Trade & industry Alaska. 1946.

448. ANDERSON, RUDOLPH MARTIN, 1876-. Arctic game notes. Distribution of large game animals in the far North; extinction of the musk ox; the chances for survival of moose and caribou; mountain sheep; polar bear and grizzly. (Natural history, Jan. 1913. v. 13, p. 5-21, incl. 8 p. of illus.)

Contains notes as indicated in title, also remarks on arctic birds, particularly referring to northerly sections of Alaska, Yukon and Northwest Territories.

Copy seen: DLC; NNS Stef.

449. ANDERSON, RUDOLPH MARTIN, 1876-. Canadian Arctic Expedition, 1913-14, 1915, 1916. (*In:* Canada. Geological Survey. Summary report, 1914, *pub.* 1915, p. 163-66; *ibid.* 1915, *pub.* 1916, p. 220-36; *ibid.* 1916, *pub.* 1917, p. 314-30)

Contains narrative reports of the activities of the southern party of the expedition, including remarks on ice conditions along the Alaskan coast of Beaufort Sea and in Dolphin and Union Strait, and a list (1914) of birds and mammals collected along the northern Alaskan coast.

Copy seen: DLC.

450. ANDERSON, RUDOLPH MARTIN, 1876-. Canadian Arctic Expedition, 1916. Zoology. (Canada. Geological Survey. Summary report, 1916, *pub.* 1917, p. 374-84)

Account of the author's activities Aug. 1915-Aug. 1916, in the Dolphin and Union Strait and Coronation Gulf

area; notes on collections made by members of the southern party there, with a list of sixty-one birds and twenty-two mammals collected 1914-16.

Copy seen: DLC.

451. ANDERSON, RUDOLPH MARTIN, 1876-. Catalogue of Canadian recent mammals. Ottawa, King's Printer, 1946. v. 238 p. map. (Canada. National Museum of Canada. Bulletin no. 102. Biological ser. no. 31)

Distributional list of land and sea mammals known to exist, or to have existed within historic time, in the region north of Canadian boundary (except Alaska). List of type localities is given in the Northwest Territories, the southwestern side of Hudson Bay, Ungava district, Yukon Territory, Greenland and Labrador; also Latin, English and French names, synonymy, and range; with bibliographic notes throughout.

Copy seen: CaMAI; CaOG; DGS; DSI-M.

452. ANDERSON, RUDOLPH MARTIN, 1876-. The distribution, abundance, and economic importance of the game and fur-bearing mammals of western North America. (Pacific Science Congress. 5th, Victoria and Vancouver, B.C., 1933. Proceedings, *pub.* Toronto, 1934. v. 5, p. 4055-75, 17 maps)

Contains a discussion of Canadian fur production, and describes the distribution of the game and fur-bearing mammals of Canada, Alaska, and Greenland. *Maps* show North American distribution (and in some instances, changes in distribution) of musk oxen, northern mountain sheep, mountain goats, moose, caribou, coast deer, marten, beaver, muskrat, and snowshoe rabbits.

Copy seen: DLC.

453. ANDERSON, RUDOLPH MARTIN, 1876-. Mammals and birds. (*In:* Bethune, W. C., and others. Canada's western northland, 1937. p. 97-122, illus., sketch map)

Contains discussion of life zones, general information on the more important among the nine sea mammals and seventy-six land mammals listed, and a sketch of the water birds and ptarmigan (especially) in a brief résumé of typical arctic birds of the region; bibliography (23 items).

Copy seen: DLC.

454. ANDERSON, RUDOLPH MARTIN, 1876- . Nesting of the pine siskin at Great Slave Lake. (Condor, Nov. 1908. v. 10, p. 234-35)

Note on birds observed in June 1908, and description of nest and eggs of the pine siskin observed in this locality in Mackenzie District.

Copy seen: DSI-M.

455. ANDERSON, RUDOLPH MARTIN, 1876- . Notes on the distribution of the hoary marmots. (Canadian field naturalist, Apr. 1934. v. 48, p. 61-63, sketch map)

Marmota caligata ranges across Yukon and Alaska and southwards below the Canadian-American boundary.

Copy seen: DSI-M.

456. ANDERSON, RUDOLPH MARTIN, 1876- . The present status and future prospects of the larger mammals of Canada. (Scottish geographical magazine, Nov. 1924. v. 40, p. 321-31)

On measures of protection and conservation of (among others) musk oxen, caribou, reindeer, etc., with mention of the principal game reserves.

Copy seen: DLC.

457. ANDERSON, RUDOLPH MARTIN, 1876- . Range of the moose extending northward. (Canadian field naturalist, Feb. 1924. v. 38, p. 27-29)

Notes on reports of moose from various localities of Northwest Territories, especially the Mackenzie River region.

Copy seen: DLC.

458. ANDERSON, RUDOLPH MARTIN, 1876- . Recent explorations on the Canadian arctic coast. (Geographical review, Oct. 1917. v. 4, p. 241-66, illus., 2 maps)

Account, by the chief of the southern party, Canadian Arctic Expedition, 1913-18, of his party's work during 1913-16: the first wintering at Collinson Point, Alaska, the summer passage to Bernard Harbour on Dolphin and Union Strait, and the detailed survey work in that area; remarks on arctic timber areas, the Crocker River, raised beach terraces along the Dolphin and Union Strait, and the Copper Eskimos.

Copy seen: DLC.

459. ANDERSON, RUDOLPH MARTIN, 1876- . Summary of the large wolves of Canada, with description of three new arctic races. (Journal of

mammalogy, Aug. 1943. v. 24, p. 386-93, table, sketch map)

Full description of three new subspecies with indication of distribution, and a bibliography (8 items).

Copy seen: DSI-M.

460. ANDERSON, RUDOLPH MARTIN, 1876- . Two new seals from arctic Canada with key to the Canadian forms of hair seals (family Phocidae). (Provancher Society of Natural History of Canada. Annual report, 1942. p. 23-47)

Full descriptions and discussion of new subspecies of *Phoca hispida*: (1) *P. hispida beaufortiana*, a ringed seal of Dolphin and Union Strait and Beaufort Sea, and (2) *P. hispida soperi*, a ringed seal of Nettilling Lake, Baffin Island; with key. French translation, p. 35-47.

Copy seen: NNM.

461. ANDERSON, RUDOLPH MARTIN, 1876- . The work of Bernhard Hantzsch in arctic ornithology. (Auk, Oct. 1928. v. 45, p. 450-66)

"Read before the American Ornithologists' Union, Washington, November 16, 1927." An analysis of the young German scientist's work in northern Labrador and Baffin Island, where he perished in 1911; with a bibliography (29 items).

Copy seen: DSI-M.

462. ANDERSON, RUDOLPH MARTIN, 1876- , and A. L. RAND. A new shrew from arctic North America. (Canadian field naturalist, Mar.-Apr. 1945 v. 59, p. 62-64)

Descriptive notes and discussion of a new subspecies ranging from Brooks Range, Alaska, across Mackenzie and Keewatin Districts.

Copy seen: DLC.

ANDERSON, RUDOLPH MARTIN, 1876- , see also Allen, J. A. Ontogenetic & other variations in muskoxen. 1913.

ANDERSON, RUDOLPH MARTIN, 1876- , see also Bethune, W. C. Canada's Eastern Arctic. 1934.

ANDERSON, RUDOLPH MARTIN, 1876- , see also Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Conserving Canada's musk-oxen. 1930.

ANDERSON, RUDOLPH MARTIN, 1876- , see also Canadian Arctic Expedition 1913-1918. Report. 1919-46.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Elton, C. S. Notes on mammals Liard & Frances R. 1935.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Hantzsch, B. A. Contribution to knowledge of avifauna NE. Labrador. 1928-29.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Laing, H. M., & others. Birds & mammals, Mt. Logan Exped. 1929.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Stefansson, V. Friendly Arctic (Can. Arctic Exped. 1913-18). 1921-1943.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Stefansson, V. Gos-tepriimnaia Arktika. 1935.

ANDERSON, RUDOLPH MARTIN, 1876- , *see also* Stefansson, V. My life with the Eskimo. 1913.

ANDERSSON, CARL FILIP GUNNAR, *see* Andersson, Gunnar, 1865-1928.

463. ANDERSSON, GUNNAR, 1865-1928. Berättelserna om affärden. (In his: S. A. Andrée hans följeslagare och hans polarfärd 1896-1897, *pub.* 1906. p. 257-73) *Title tr.*: Reports of the departure.

Account of the ascension of Andrée's balloon, based on reports of eye witnesses.

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464. ANDERSSON, GUNNAR, 1865-1928. Cooks och Pearys nordpolsexpeditioner. (Ymer, 1909, Årg. 29, p. 336-47, map) *Title tr.*: Cook's and Peary's North Pole expeditions.

Accounts of Frederick A. Cook's Expedition, 1907-1909, and of Robert E. Peary's expedition, 1908-1909, to discover the North Pole, with discussion of the results claimed by these explorers.

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465. ANDERSSON, GUNNAR, 1865-1928. Danmark-expeditionen till Grönlands nordostkust. (Ymer, 1906, Årg. 26, p. 215-16) *Title tr.*: Danmark Expedition to the northeast coast of Greenland.

Plans for the expedition, which took place in 1906-1908. *Copy seen:* DLC.

466. ANDERSSON, GUNNAR, 1865-1928-. Danmarksexpeditionen till Grön-

lands nordostkyst. (Ymer, 1908, Årg. 28, p. 225-39, illus. map) *Title tr.*: The Danmark Expedition to the northeast coast of Greenland.

Account of the expedition under Mylius-Erichsen and I. P. Koch, 1906-1908, to explore the unknown coastal region between 78° and 83°5'N.; and of the scientific trips taken from winter quarters in Dove Bay (76°36'N.)

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467. ANDERSSON, GUNNAR, 1865-1928. Rykter och efterforskningar (In his: S. A. Andrée, hans följeslagare och hans polarfärd, 1896-1897, *pub.* 1906. p. 275-96) *Title tr.*: Rumors and relief expeditions.

Account of spurious reports of the Andrée Expedition and of relief expeditions searching for it.

Copy seen: DLC.

468. ANDERSSON, GUNNAR, 1865-1928. S. A. Andrée, hans följeslagare och hans polarfärd 1896-1897; minneskrift utgifven af Svenska sällskapet för antropologi och geografi genom Gunnar Anderson. Med 5 taflor och 97 text-figurer. Stockholm, P. A. Norstedt [1906] ix, 378 p. illus., fold. plates, ports., map, fold. facsim. *Title tr.*: S. A. Andrée, his companions and his expedition, 1896-1897, memorial volume published by the Swedish Society for Anthropology and Geography. With 5 plates and 97 figures in the text.

Contents tr.: AHRENIUS, S., and others. Biographies.

ANDRÉE, S. A. Andrée's own description of the preparation and beginning of the arctic expedition.

ANDERSSON, J. G. Reports of the departure.

ANDERSSON, J. G. Rumors and relief expeditions.

NATHORST, A. G. Attempts to ascertain the probable course taken by Andrée's balloon.

SVEDENBORG, G. V. E. The technical equipment of the balloon expedition.

Each paper appears in this Bibliography under its author's name.

Copy seen: DLC.

469. ANDERSSON, GUNNAR, 1865-1928. Spetsbergens koltillgångar och Sveriges kolbehov; en ekonomisk geografisk studie. (Ymer, 1917, Årg. 37, p. 201-248, illus. maps) *Title tr.*: Spitsbergen's coal supply and Sweden's coal

demand; an economic-geographic study.

Discussion of coal deposits on West Spitsbergen with historical sketch of coal mining there and of Swedish coal interests; property rights to West Spitsbergen coal; and problems connected with its marketing and shipping.

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470. ANDERSSON, GUNNAR, 1865-1928. *Vegamännen*. (Ymer, 1915. Årg. 35, p. 29-33, illus.) *Title tr.*: The *Vega* men.

Brief biographies of the members of the *Vega* Expedition, 1878-1880.

Copied seen: DLC.

471. ANDERSSON, GUNNAR, 1865-1928, and HENRIK HESSELMAN. *Bidrag till kännedom om Spitsbergens och Beeren Eilands kärlväxtflora, grundade på iakttagelser under 1898 års Svenska polarexpedition*. Stockholm, P. A. Norstedt, 1900. 88 p. illus., plates. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 26, afd. 3, no. 1) *Title tr.*: Contributions to the knowledge of the vascular plants of Spitsbergen and Bear Island, based on observations made during the Swedish Arctic Expedition of 1898.

List, with synonymy, localities and remarks, of hundred twenty-five species.

Copied seen: DLC.

472. ANDERSSON, GUNNAR, 1865-1928, and HENRIK HESSELMAN. *Verzeichnis der in König Karls Land während der schwedischen Polarexpedition 1898 gefundenen Phanerogamen*. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1898, pub. 1899. Årg. 55, p. 555-57) *Title tr.*: List of phanerogams collected in King Charles Land during the Swedish Arctic Expedition, 1898.

List, with localities, of twenty-seven species of seed plants.

Copied seen: DLC.

ANDERSSON, GUSTAV OSKAR, *see* Malme, Gustaf Oskar Andersson, 1864-1937.

473. ANDERSSON, JOHAN GUNNAR, 1874- . *Några drag af Beeren Eilands kolonisationshistoria*. (Ymer, 1901. Årg. 21, p. 35-58) *Title tr.*: Some features of the history of the colonization of Bear Island.

Account of expeditions to Bjørnøya, its colonization by Russians, Nor-

wegians and Germans; also discussion of its coal deposits and the right of possession to the island.

Copied seen: DLC.

474. ANDERSSON, JOHAN GUNNAR, 1874- . *Solifluction, a component of subaerial denudation*. (Journal of geology, Feb.-Mar. 1906. v. 14, p. 91-112, illus.)

Includes a description of the phenomenon on Bear Island, and (mention only) West Spitsbergen.

Copied seen: DGS.

475. ANDERSSON, JOHAN GUNNAR, 1874- . *Den svenska expeditionen till Beeren Eiland 1899*. (Ymer, 1900. Årg. 20, p. 423-54, illus.) *Title tr.*: The Swedish Expedition to Bear Island 1899.

Account of this expedition and discussion of the geography, the fauna and flora of Bjørnøya.

Copied seen: DLC.

476. ANDERSSON, JOHAN GUNNAR, 1874- . *Über die Stratigraphie und Tektonik der Bären Insel*. (Upsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1899, pub. 1900. v. 4, p. 243-80, 3 plates, tables)

Preliminary report on the work of the Swedish expeditions of 1898-99, with a preliminary geological sketch map, and reference to the topographical map noted in A. G. Nathorst's *Några upplysningar till den nya kartan öfver Beeren Eiland*, 1899, q. v.

Copied seen: DGS.

477. ANDERSSON, JOHAN GUNNAR, 1874- . *Vega-minnet; högtidstal vid Svenska sällskapet för antropologi och geografi sammankomst den 24 april 1930 till firande av 50-årsminnet av "Vegas" återkomst till Stockholm*. (Ymer, 1930. Årg. 50, p. 3-12) *Title tr.*: In memory of the *Vega*, address given at the meeting of the Swedish Society for Anthropology and Geography April 24th, 1930, commemorating the fifty-year anniversary of the *Vega*'s return to Stockholm.

Discussion of the erection of a monument for the *Vega* men and of Swedish geographical research in the arctic and antarctic regions.

Copied seen: DLC.

ANDERSSON, JOHAN GUNNAR, 1874- , *see also* De Geer, G. J. *Europeiska nordhavet samt fjordbildningar*. 1910.

ANDERSSON, JOHAN GUNNAR, 1874—, see also Nathorst, A. G., & others. Swedish explorations in Spitzbergen. (Ymer) 1909.

478. ANDERSSON, KARL ANDREAS, 1875—. Bryozoen, während der schwedischen Expeditionen 1898 und 1899 unter Leitung von Professor A. G. Nathorst und 1900 unter Leitung von Conservator G. Kolthoff gesammelt. (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1902. Bd. 15, p. 537-60, plate) *Title tr.*: Bryozoans collected during the Swedish Expeditions, 1898 and 1899 under A. G. Nathorst, and 1900 under G. Kolthoff.

Contains an annotated list, with synonyms, localities and arctic distribution, of forty-two species, and several varieties from East Greenland coastal waters (including Mackenzie Bay and Franz Joseph Fiord), Svalbard waters (especially Ice Fiord) and from Greenland Sea.

Copy seen: DSI-M.

479. ANDERSSON, NILS JOHAN, 1821-1880. Anteckningar under en resa i Umeå, Piteå och Luleå Lappmarker sommaren 1845. (Botaniska notiser, 1846, no. 1-2, p. 1-30) *Title tr.*: Notes on the journey to Umeå, Piteå and Luleå Lappmark made in the summer of 1845.

Contains an account of the author's botanical trip to Swedish Lapland with general descriptions of the flora of various Lapland regions and scattered notes on plants observed.

Copy seen: MH-A.

480. ANDERSSON, NILS JOHAN, 1821-1880. Bidrag till kännedomen af *Carex ampullacea* Good. och *C. vesicaria* L., med hänsyn till deras formförändringar. (Botaniska notiser, 1849, no. 2-3, p. 28-39) *Title tr.*: A contribution to the knowledge of *Carex ampullacea* and *C. vesicaria* and their form variations.

Contains a comparative study of two sedge species, *Carex vesicaria* and *C. ampullacea*, some of their varieties and forms and related species; both species are native to Swedish Lapland.

Copy seen: MH-A.

481. ANDERSSON, NILS JOHAN, 1821-1880. Några ord om formbegreppet hos pillsläktet, särdeles dess lappska arter. (Botaniska notiser, 1846,

no. 7, p. 97-103) *Title tr.*: Some words on form concept in the willow, especially in Lapland species.

Contains a taxonomic discussion on form variation in northern species of willow (*Salix*) native to Swedish Lapland.

Copy seen: MH-A.

482. ANDERSSON, NILS JOHAN, 1821-1880. Nya bidrag till Qvickjockstraktens flora. (Botaniska notiser, 1866, no. 6, p. 107-110; no. 7, p. 119-25) *Title tr.*: New contributions to the flora of the Qvikkjokk region.

Contains a list of thirty-one species of flowering plants additional to those listed by the author in his *Plantae vasculares circa Qvickjock Lapponia Lulensis*, 1844, q. v.: another list of plants new to Torne Lappmark and southern Lapland and new localities of sixty plants within the Qvikkjokk region (northern Sweden).

Copy seen: MH-A.

483. ANDERSSON, NILS JOHAN, 1821-1880. Om *Catabrosa algida* Fr. (Botaniska notiser, 1849, no. 2-3, p. 39-44, plate) *Title tr.*: On *Catabrosa algida* Fr.

Contains a Latin description of this arctic grass, synonymy, exsiccata, illustrations and data on distribution (West Spitsbergen, Greenland, Melville Island, northern Scandinavia, Kolguyev Island and Kanin Peninsula).

Copy seen: MH-A.

484. ANDERSSON, NILS JOHAN, 1821-1880. Om de i Sverige förekommande arter af släktet *Eriophorum* med ett ax. (Botaniska notiser, 1857, no. 4, p. 57-63; no. 5, p. 78-83) *Title tr.*: On species of the genus *Eriophorum* with spikes, occurring in Sweden.

Contains Latin descriptions of six species of the genus *Eriophorum* (cotton-sedge) occurring in Sweden, including four native to Lapland, and five from Siberia, Alaska (Baranof and Kodiak Islands) and shores of Bering Strait.

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485. ANDERSSON, NILS JOHAN, 1821-1880. Om släktet *Salix*, isynnerhet dess nordiska former. (Botaniska notiser, 1866, no. 8, p. 129-49; no. 9-10, p. 153-63; 1867, no. 4, p. 57-63; no. 6-7, p. 110-20) *Title tr.*: On the genus *Salix*, especially its northern forms.

Contains a critical revision of fifty species and twelve hybrids of northern

forms of willow (*Salix*), with brief descriptive and taxonomic notes, synonymy and data on Scandinavian and total distribution; includes some native to arctic Scandinavia.

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486. ANDERSSON, NILS JOHAN, 1821-1880. Om tvenne pilarter. (Botaniska notiser, 1858, no. 3, p. 41-48) *Title tr.:* On two willow species.

Contains critical notes on various forms of *Salix depressa* and *S. pyrenaica* and other related species, including some native to Swedish Lapland.

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*Andersson, N. J. See also No. 446-447.

487. ANDERSSON, NILS JOHAN, 1821-1880. De Svenska fjell-arterna af släktet *Epilobium*. (Botaniska notiser, 1844, no. 10, p. 154-58) *Title tr.:* On Swedish alpine species of the genus *Epilobium*.

Contains descriptions, synonymy and critical notes on *Epilobium origanifolium*, *E. alpinum* and *E. lineare*, herbs native to Swedish Lapland, followed (p. 158-60) by *Tillag af utgifvaren* (Additional notes of the editor), A. E. Lindblom.

Copy seen: MH-A.

ANDERSSON, SVEN, see Sahlin, C. Skepstimmermannen Sven Anderssons dagbok. 1930.

488. ANDREASSEN, KÄRALL, 1890-1934. Nogle af mine oplevelser. (Grønlandske selskab. Aarsskrift, 1935, p. 103-111) *Title tr.:* Some of my experiences in life.

Reminiscences of the author's youth, as the son of an Eskimo angakok or "spirit man" and his conversion to the Christian faith. Notes his missionary work at Kûngmiut, East Greenland. Translated from the Greenlandic by Peter Rosing, with a brief preface by Therkel Mathiasen.

Copy seen: NN.

489. ANDRÉE, SALOMON AUGUST, 1854-1897. Andrées egen skildring af polarfärdens förberedelse och början. (In: Andersson, G. S. A. Andrée, hans följeslagare och hans polarfärd 1896-1897, pub. 1906, p. 109-253, illus.) *Title tr.:* Andrée's own description of the preparation and beginning of the arctic expedition.

Account of the planning of the expedition with discussion of the balloon and other equipment, the first trip in

the *Virgo*, 1896, the sojourn at Danish Island and cancellation of the ascent; the second trip to West Spitsbergen, 1897, and preparations for the ascent at headquarters on Danish Island.

Copy seen: DLC.

490. ANDRÉE, SALOMON AUGUST, 1854-1897. Förberedelserna till den stundande polarexpedition. (Ymer, 1897, Årg. 17, p. 168-71) *Title tr.:* Plans for the forthcoming arctic expedition.

Report of lecture outlining plans for the Andrée Expedition in 1897, including improvements of the balloon.

Copy seen: DLC.

491. ANDRÉE, SALOMON AUGUST, 1854-1897. Förslag till polarfärd med luftballong; föredrag. (Ymer, 1895, Årg. 15, p. 55-70) *Title tr.:* A proposal for an arctic expedition with a balloon; a lecture.

Discussion of a balloon suitable for use in the Arctic, and plans for an expedition to attempt to reach the North Pole in a balloon, and to explore the north polar regions.

Copy seen: DLC.

492. ANDRÉE, SALOMON AUGUST, 1854-1897. Några anmärkningar om luftelektricitetens variationer vid barometriskä minima och maxima. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1883, Årg. 40, no. 9, p. 43-50, 6 plates) *Title tr.:* Notes on the variations of atmospheric electricity at barometric minima and maxima.

Discussion of observations made at the Swedish meteorological station at Cape Thorsden, West Spitsbergen, by the Swedish party there as part of the International Polar Year program, 1882-83.

Copy seen: DLC.

493. ANDRÉE, SALOMON AUGUST, 1854-1897. [Nordpols-ballongexpeditionens utrustning och utsikter.] (Ymer, 1896, Årg. 16, 1896, p. 203-206) *Title tr.:* On the equipment and prospects of the forthcoming arctic balloon expedition.

Reports of lectures by Andrée and M. Ekholm on plans and scientific equipment for the abortive balloon expedition of 1896. *Copy seen:* DLC.

494. ANDRÉE, SALOMON AUGUST, 1854-1897. Observations faites au cap Thorsden, Spitzberg, par l'expédition suédoise. Electricité atmosphérique.

Stockholm, 1887. p. 1., 53 p. incl. tables. 5 plates (1 fold; diagrs.) (International Polar Year. 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden. T.2:2) *Title tr.*: Observations made at Cape Thorsden, Spitsbergen, by the Swedish Expedition. Atmospheric electricity.

Contains description of the instrumentation; discussion of voltage, annual and diurnal periods, amplitudes, perturbations, high tensions, simultaneous variation of atmospheric electricity and geomagnetism, and variations during auroras; tabulations of results of hourly observations, Nov. 1882-Aug. 1883; minutely observations for selected perturbed days; and semi-monthly twenty-second observations, Nov. 1, 1882-July 15, 1883.

Copy seen: DLC.

495. ANDRÉE, SALOMON AUGUST, 1854-1897. [Om den förestående polar-expeditionens ballong] (Ymer, 1895. Årg. 15, p. 292-94) *Title tr.*: [On the balloon to be used in the forthcoming arctic expedition.]

Report of a lecture describing the balloon, *Örnen*.

Copy seen: DLC.

496. ANDRÉE, SALOMON AUGUST, 1854-1897. Om sambandet mellan luft-elektriciteten och jordmagnetismen. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1883. Årg. 40, no. 10, p. 3-12, 5 plates) *Title tr.*: On the connection between atmospheric electricity and terrestrial magnetism.

Discussion of observations made at the Swedish meteorological station at Cape Thorsden, West Spitsbergen during the International Polar Year Expedition there, 1882-83.

Copy seen: DLC.

497. ANDRÉE, SALOMON AUGUST, 1854-1897. Om yrsnön i de arktiska trakterna. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1883. Årg. 40, no. 9, p. 33-41, plate) *Title tr.*: On drifting snow in the arctic regions.

Discussion of drifting snow in arctic regions, the measurements made by the Swedish meteorological station at Cape Thorsden, West Spitsbergen, during the International Polar Year Expedition, 1882-83, and the instrumentation.

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498. ANDRÉE, SALOMON AUGUST, 1854-1897. A plan to reach the North Pole by balloon. (International Geographical Congress. 6th, London, 1895. Report, 1896. p. 211-27)

Discussion of balloons, and the conditions favoring their use in arctic regions, description of the author's plans, and discussion by others, p. 224-27.

Copy seen: DLC.

499. ANDRÉE, SALOMON AUGUST, 1854-1897. Rapport angående 1896 års svenska polarexpedition. (Ymer, 1896, Årg. 16, p. 181-92) *Title tr.*: Report of the Swedish arctic expedition, 1896.

Account of the Andrée's expedition in 1896, on the *Virgo*, from Gothenburg to Danish Island off northern West Spitsbergen, the cancellation of his balloon trip (with the *Örnen*) to the North Pole due to unfavorable weather conditions; also discussion of the scientific observations made and plans for a further attempt the following year.

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ANDRÉE, SALOMON AUGUST, 1854-1897, *see also* Svenska sällskapet för antropologi och geografi, *Stockholm*. Andrée's story. 1930.

ANDRÉE, SALOMON AUGUST, 1854-1897, *see also* Svenska sällskapet för antropologi och geografi, *Stockholm*. Dem Pol entgegen. 1930.

ANDRÉE, SALOMON AUGUST, 1854-1897, *see also* Svenska sällskapet för antropologi och geografi, *Stockholm*. En ballon vers pôle. 1931.

ANDRÉE, SALOMON AUGUST, 1854-1897, *see also* Svenska sällskapet för antropologi och geografi, *Stockholm*. Med Örnen mot polen. 1930.

500. ANDREEV, ALEKSANDR IG-NATEVICH. Buliāshi. (Sovetskaiā étnografiā, 1937, vyp. 2-3, p. 111-13) *Title tr.*: Buliāshi.

Contains an historical analysis of the term *buliāshi*, which the author concludes is an old name applied by Russian officials to the union of the Tungus clans.

Copy seen: DSI-M; NN.

501. ANDREEV, ALEKSANDR IG-NATEVICH. Ekspeditšii Beringa. (Vsesoiūznoe geograficheskoe obshchestvo. Izvestiā, 1943. T. 75, vyp. 2, p. 3-44, illus.) *Title tr.*: Bering's voyages.

An account of Bering's Great Northern Expedition based on source material in official archives of Moscow and Leningrad, supplemented by several contemporary documents.

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502. ANDREEV, ALEKSANDR IG-NATEVICH. *Istoricheskie materialy o Kol'skom poluostrove, khranīshchiesiā v Leningrade. (In: Akademiā nauk SSSR. Komissīā ēkspeditsionnykh issledovaniī. Sbornik materialov po istorii Kol'skogo poluostrova v 16-17 vv., 1930. p. 15-19) Title tr.:* Historical source material on the Kola Peninsula, held in the archives of Leningrad.

Brief description of the nature of historical documents on the Kola Peninsula in Leningrad archives.

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503. ANDREEV, ALEKSANDR IG-NATEVICH. *Istoricheskie materialy o Kol'skom poluostrove monastyrskikh arkhivov. (In: Akademiā nauk SSSR. Komissīā ēkspeditsionnykh issledovaniī. Sbornik materialov po istorii Kol'skogo poluostrova v 16-17 vv., 1930. p. 3-14) Title tr.:* Historical source material on the Kola Peninsula held in monastic archives.

Brief general description of the manuscripts, (mainly, but also some printed material) of several ancient monasteries located on the Kola Peninsula.

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504. ANDREEV, ALEKSANDR IG-NATEVICH. *Materialy po ētnografii Sibiri XVIII veka. (Sovetskii Sever, 1939, no. 3, p. 73-83) Title tr.:* Material on the ethnography of Siberia in the 18th century.

Review of literature and archival sources containing data on Siberian aborigines of the 18th century.

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505. ANDREEV, ALEKSANDR IG-NATEVICH. "Opisaniā o zhizni i uprazhnenii obitaīushchikh v Turukhanskoī i Berezovskoī okrugakh raznogo roda īsasachnykh inovertsakh." (Sovetskaiā ētnografiā, 1947, vyp. 1, p. 84-103) *Title tr.:* Description of the life and activity of the tribute-paying inhabitants of the Turukhansk and Berezovo regions.

Contains the text of an official reply to a detailed official questionnaire drawn up in the late 18th century,

pertaining to the life of the Ostyaks, Tungus, Yakuts and Samoyeds of the Turukhansk and Berezovo areas. The questions and answers cover material on dwellings, occupation, food, religion and social customs. In both questions and answers much attention is paid to the methods of hunting and killing fur-bearing animals.

Copy seen: DLC; DSI-M; NN.

506. ANDREEV, ALEKSANDR IG-NATEVICH. *Russkie otkrytiā v Tikhom okeane i Severnoi Amerike v XVIII-XIX vekakh. Moskva, Izd-vo Akademii nauk SSSR, 1944. 220 p. illus. plates, ports. Title tr.:* Russian discoveries in the Pacific Ocean and North America in the 18-19th centuries. Issued under auspices of the Geographical Society, U.S.S.R.

Documents mostly hitherto unpublished on Russian discoveries in the Aleutian Islands and the activities of Russian American Co.

Contains short introductory remarks concerning the origin of the documents, p. 1-22.

Report of Cossack S. T. Ponomarev and merchant S. G. Golikov, who, in search of new land, made a voyage in 1758-59 from Nizhne-Kamchatsk to the Aleutian Islands and discovered Umnak and Unalaska Islands, p. 23-29.

Description of Andreanof Islands and of their inhabitants, based on report of Cossacks M. Lazarev and P. Vasiūtinskii, who discovered the islands in 1764, p. 29-37.

Documents, etc., 1785-90, concerning the activity of G. I. Shelekhov, one of the founders of Russian American Co., and his relations with the government (decisions of the company, instructions, reports, memoranda, applications) p. 38-117.

Narrative of N. I. Korobitsyn (here published for the first time, p. 118-221) on his commercial travels in 1795-1807 (from 1801 on behalf of Russian American Co.) including his round-the-world voyage, 1802-07, on the *Neva* under Captain Lisiānskii; description of Pavlov Bay on Kodiak Island and of New Arkhangel'sk (Sitka) on Baranof Island.

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507. ANDREEV, ALEKSANDR IG-NATEVICH. *Sibirskie zarisovki pervoi poloviny XVIII veka. (Letopis' Severa, 1949, no. 1, p. 123-35, illus.) Title tr.:*

Siberian drawings (sketches) in the first half of the 18th century.

Survey of sketches by travelers of the 17th and 18th centuries portraying sites, buildings, objects of ethnographic and historical interest. Includes reproductions of fourteen drawings by Tobias Königsberg, a companion of Joseph Nicolas Delille, professor of astronomy at the Russian Academy of Sciences, who made a journey to Berezovo (63°56'N. 56°03'E.) in 1740.

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ANDREEV, ALEKSANDR IGNAT'EVICH, *see also* Sbornik statei, posviashchennykh S. P. Krashenninnikova. 1939.

ANDREEV, K. P., *see* International Polar Year. 1st, 1882-1883. Èkspeditsiia na Novuiu Zemliu. Trudy Russkoi poliarnoi stantsii. 1886-91.

508. ANDREEV, N. P. Resultaty meteorologicheskikh i gidrologicheskikh nabludeniĭ, sdelannykh v Biĕlom morĭe i u beregov Murmana v 1880, 1881 i 1882 godakh. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1883. T. 19, p. 22-27) *Title tr.*: Results of meteorological and hydrological observations made on the White Sea and along the Murman coast in 1880-1882.

Discussion of prevailing winds, distribution of water temperature, position of Gulf Stream, and the effect of these conditions on the presence of fish in the Kola Peninsula coastal waters, with conclusions.

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509. ANDREEV, N. P. Sĭevernyi Ledovityi okean; materialy po gidrologii, sobrannye v period s 1889 [i.e. 1880] po 1893 god. Sanktpeterburg, 1900. 136 p. plate, 2 fold. maps, tables. (Vsesoiuznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii. T. 34, no. 1) *Title tr.*: The Arctic Ocean; oceanographic data collected in 1889 [i.e. 1880] to 1893.

Contains (mainly) the author's observations of surface temperature and specific gravity (with some data on water color, temperature and salinity) made in the Barents Sea south of about 73°30'N. and off the coast of Norway in 1880-85, 1887-89, 1891-92 (p. 50-125). Also a bibliography of forty-three items (p. 2-4); observations of salinity (1889 and 1891) and specific gravity, temperature, and wind (1881-82,

1888) off the Murmansk coast; description of that coast, with a list of forty plants; a study of the relation of specific gravity of water to freezing of bays (p. 39 and 50); monthly wind direction statistics from the Kola Meteorological Station for 1880-89 and at Tĕrberka for 1892 (p. 41-42); observations of tides, water temperature, and specific gravity in the bays off the Murmansk coast (p. 44-48); followed by conclusions, with a table showing specific gravity at the surface and at stated depths of samples from thirty-four localities, data on the annual fish catch off the Murmansk coast (1881-89, 1892) and its relation to the conditions of the Gulf Stream.

Maps: 1. N.-S. vertical section of Rybachiy Peninsula.

2. Route map of the Barents Sea, showing Gulf Stream in 1889, and location of bathymetric stations.

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510. ANDREEV, V. N. Ostatki kul'ta siĭdaev u samoedov. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1930. T. 62, vyp. 4, p. 387-95) *Title tr.*: The remains of the siaday worship among the Samoyeds.

Contains material on the religious beliefs of the Samoyeds and the "khae" cult, spirits which enter some object; reviews the literature on the practice of anthropomorphic sacrifices to the images of spirits (siaday), and describes such sacrificial places seen in the northern part of the Kanin Peninsula. Bibliography (22 items).

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511. ANDREEV VLADIMIR NIKOLAEVICH, 1889- . Geobotanicheskoe issledovanie tundrovyykh olen'ikh pastbishch. (Sovetskii Sever, 1930, no. 5, p. 101-113) *Title tr.*: Geobotanical investigations of the tundra as reindeer pasture.

Investigations for further development of the reindeer industry, carried out in northern Kanin Peninsula (Paykhoy) by the author in 1928, as a member of the Expedition of the Northern Committee; study of geobotanical regions, typical plant associations, edaphic and climatic factors, and an evaluation of various types of pastures and individual fodder plants; bibliography (28 items).

Copy seen: MH-P.

512. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . I. A. Perfil'ev. (Problemy Arktiki, 1937, no. 1, p. 155-57, port.) *Title tr.:* I. A. Perfil'ev.

A biographical note on this arctic botanist, written on the occasion of his thirtieth year of scientific activity.

Copy seen: DLC.

513. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . Korma i pastbishcha severnykh olenei. (In: U.S.S.R. Ministerstvo sel'skogo khoz'iaistva. Upravlenie raionov Krainego Severa, Severnoe olenevodstvo, 1948. p. 100-157) *Title tr.:* Forage and pastures for northern reindeer.

Contains a general survey with detailed descriptions of various kinds of forage: summer green, winter green forage, reindeer moss and mushrooms, hay, fish-meal; description of reindeer pastures (ranges) in tundras and taiga, their seasons, grazing capacity and crop rotation; the spring, summer, fall and winter pastures; the improvement of pastures.

Copy seen: DLC.

514. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . Lesnaya rastitel'nost' iuzhnogo Timana; geobotanicheskaia kharakteristika raiona rek Ukhty i Izhmy v Pechorskoi krae. (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy, 1935, vyp. 24, p. 7-64, fold. map) *Title tr.:* Forest vegetation of the southern Timan; geobotanical characteristics of the Ukhta and Izhma Rivers region of Pechora District.

Geobotanical description of part of the Timan Mountain forest region (63-65°N. 52-56°E.), land forms, vegetation formations. List of vegetation associations, trees and their estimated frequency of occurrence, as observed in the author's field work, 1929.

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515. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . Material k flore severnogo Kanina. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1931. Vyp. 23, p. 147-96, text map) *Title tr.:* Material for the flora of northern Kanin Peninsula.

Contains an historical sketch of botanical exploration of the region and a systematic enumeration of two hundred thirty-three vascular plants, collected by the author in the northern

part of Kanin Peninsula (68°40'-67°40'N. 43°15'-46°30'E.) in 1928, with data on the habitat and local distribution; an additional list of twenty-nine plants, collected by other explorers but not found by the author, is also given at the end.

Copy seen: MH-A.

516. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . O rastitel'nom pokrove iugo-vostochnogo Kanina. (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy, 1935. Vyp. 20, p. 35-40) *Title tr.:* On the vegetation cover of southeastern Kanin.

Contains a list of ninety-eight plants collected by G. V. Gorbatskii, a member of Kanin Geological Expedition of the Institute for the Study of the North in 1930, and some notes on the vegetation of southeastern Kanin Peninsula.

Copy seen: DLC; NNM.

517. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . Obsledovanie tundrovnykh olen'ikh pastbishch s pomoshch'iu samoleta. (Leningrad, Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoz'iaistva. Trudy. Ser. Olenevodstvo, 1938. Vyp. 1, p. 7-132, illus., map) *Title tr.:* Observations of the tundra reindeer pastures by means of the aeroplane.

Discussion of the aero-visual method of reconnaissance for determining the quality and location of reindeer pastures. Results of an expedition of the Reindeer-breeding Section of the Arctic Institute, U.S.S.R., under the author's leadership in 1936, over the tundra and forest-tundra of the Yamal district. Remarks on the physiognomy of vegetation from above, interpretation of vegetative cover, plotting of geobotanical data on previously prepared maps of the area. Includes recommendations on map scale, elevation of flight, range of observations, etc., for maximum efficiency; and comment on respective uses of aero-visual investigations and aero-photo-surveys. Bibliography (about 100 items).

Summary in English.

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518. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889- . Opyt vozdushnoglazomernogo obsledovaniia pastbishch na Yamal'skom severe. (Leningrad, Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva

i promyslovogo khozâistva. Trudy. Ser. Olenovodstvo, 1938. Vyp. 1, p. 151-71, fold. map) *Title tr.*: Experience with aerial visual observation of pastures in the Yamal North.

Report on aerial reconnaissance of pastures of the Nydinsky reindeer sovkhos in 1936. *Copy seen:* DLC.

519. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Podzony tundry Severnogo Kraïa. (Priroda, 1932, no. 10, col. 889-906, illus.) *Title tr.*: Sub-zones of the tundras of the far North.

Contains an attempt at zonation of tundras along the Barents and Kara coasts: Kanin Peninsula, Malozemel'skaya and Bol'shezemel'skaya Tundras, Vaygach and Kolguyev Islands, on the basis of the vegetative cover; study of the characteristics and extent of five sub-zones established by the author as a result of his exploration of this region in 1928, 1930 and 1931, with a view to its development for the reindeer and hunting industries and agriculture. *Copy seen:* MH-A.

520. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Rastitel'nost' i raiony vostochnoi chasti Bol'shezemel'skoi tundry. Moskva, 1935. 97 p. illus., map, diags. (Akademiâ nauk SSSR. Polârnâia komissiiâ. Trudy. vyp. 22) *Title tr.*: Vegetation and natural regions of the eastern part of Bol'shezemel'skaya Tundra.

Contains data on the general characteristics of the eastern part of this tundra area (about 67°30'N. 58°E.); six natural zones of tundra and their vegetation, geomorphological survey of Pay-Khoy region and eastern part of Bol'shezemel'skaya plain, general survey of ten geobotanical regions of this tundra and their importance as pastures for reindeer. *Copy seen:* DLC; NNM.

521. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Razrabotka razsional'nykh metodov ispol'zovaniâ olen'ikh pastbishch. (Problemy Arktiki, 1937, no. 2, p. 165-68) *Title tr.*: Efficient exploitation of reindeer pastures.

Brief outline, based on author's field observations and the studies of the Arctic Institute U.S.S.R. *Copy seen:* DLC.

522. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Samolet v olen-

evodstve. (Sovetskâia Arktika, 1937, no. 8, p. 58-62, illus., tables) *Title tr.*: The airplane in reindeer breeding. Discussion of the importance of aerial reconnaissance in the reindeer industry (investigation of pastures, calculation of number of animals, control over ranges and natural enemies of the reindeer, etc.); based on the author's experience during the Yamal Expedition of the Arctic Institute in 1936. *Copy seen:* DLC.

523. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Tipy tundr zapada Bol'shoi Zemli. (Akademiâ nauk SSSR. Botanicheskii muzei. Trudy, 1932. Vyp. 25, p. 121-268) *Title tr.*: Tundra types of Bol'shaya Zemlya.

Contains a detailed study of the tundra types of the western part of Bol'shezemel'skaya Tundra, carried out by the author in 1930 for the purpose of estimating the fodder resources of the region for the raising of reindeer; includes a brief geographical sketch and description (with tabular presentation) of thirty types of tundra, with data on relief, soils, substrata, vegetative cover, plant associations, economic importance and the influence of man. Summary in German. *Copy seen:* MH-A.

524. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-. Vidy, *Plantago* polârnogo poberezh'ia Evropy. (Botanicheskii zhurnal 1930. T. 15, no. 4, p. 291-304, illus.) *Title tr.*: *Plantago* species of the arctic sea-coast of Europe.

Contains taxonomic study of five species and forms of herbaceous genus *Plantago*, including Latin diagnosis of *P. subpolaris*, n. sp. native to the Kola Peninsula and Arkhangel'sk region; *P. schrenkii* from arctic Norway and U.S.S.R. and its variety *pygmaea* n. var. from Novaya Zemlya and Vaygach Island. Summary in German. *Copy seen:* MH-A.

525. ANDREEV, VLADIMIR NIKO-LAEVICH, 1889-, and others. Olen'i pastbishcha i rastitel'nyi pokrov Polârnogo Priural'ia. (Sovetskoe olenovodstvo, 1935. Vyp. 5, p. 171-406, illus., tables, 3 fold. maps)

Other authors: K. N. Igoshina and A. I. Leskov. *Title tr.*: Reindeer past-

ures and vegetative cover of the Northern Cisural region.

Contains a historical sketch of the exploration of the region eastward from Kara River and the foothills of the eastern Urals, about 64°-69°15'N.; a geobotanical study of the region with data on pasture areas, migration routes, natural zones, various plant associations, and their types; fodder production, carrying capacity, better utilization and improvement of grazing areas. Supplement, p. 373-406, includes a study of pastures of the basins of Longat-Yugan and Shchuchya Rivers (67°-68°N. 67°-68°E.)

Copy seen: CaOA; DA; NNA

526. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alaska—a million years ago. (Alaska life, June 1948. v. 11, no. 6, p. 16-18, illus.)

General discussion of paleoclimate and paleogeography of Alaska.

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527. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alaska under the Russians, Baranof the builder. (Pacific Northwest quarterly, July, 1916. v. 7, p. 202-216)

Historical sketch, based largely upon Russian books, of the development of the Russian holdings in Alaska between 1791 and 1818 under the direction of Alexander Baranov and the Russian American Co. Includes description of the fur trade, particularly the sea-otter trade.

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528. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alaska under the Russians, industry, trade and social life. (Pacific Northwest quarterly, Oct. 1916. v. 7, p. 278-95)

Contains a description, based largely upon Russian books, of the economic and social life of Alaska, especially of Sitka, under the Russians in the period, 1820-67. Includes an account of manufacturing industries, such as ship-building; agricultural production (especially of potatoes); trade, such as the ice and grain trade with California, and the fur and tea trade with China; health conditions and social life of the Russians at Sitka.

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529. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alaska whaling. (Pacific Northwest quarterly, Jan. 1918. v. 9, p. 3-10)

Contains a general historical description of the whaling industry of Alaskan waters, including details of large-scale disasters to whaling vessels in arctic ice.

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530. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alaska's first educator. (Alaska life, Sept. 1943. v. 6, no. 9, p. 43-45, port.)

Brief résumé of Sheldon Jackson's work in Alaska, 1877-1908.

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531. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alexander Baranof, manager. (Alaska life, Jan. 1943. v. 6, no. 1, p. 45-48, illus.)

Historical sketch of the work of Baranof during the period 1790-1818, when he managed interests in Alaska of G. I. Shelekhov, founder of the Russian-American Co.

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532. ANDREWS, CLARENCE LE-ROY, 1862-1948. Alexander Hunter Murray; founder of Fort Yukon. (Alaska life, Apr. 1947. v. 10, no. 4, p. 4-6, 21, illus.)

Account of this Hudson's Bay Co. trader's journey in 1847 from Rat River via Bell and Porcupine Rivers to the site, at the confluence of the Porcupine and Yukon, where his party built Fort Yukon the following year.

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533. ANDREWS, CLARENCE LE-ROY, 1862-1948. Chief manager. (Alaska life, Apr. 1943, v. 6, no. 4, p. 48-50, illus.)

Biographical sketch of Wrangell (Baron Ferdinand von Wrangel') as explorer of arctic seas, discoverer of Wrangel's Island, and (1830-34) manager of Russian-American Co. in Alaska.

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534. ANDREWS, CLARENCE LE-ROY, 1862-1948. Children of the sea. (Alaska sportsman, July 1938. v. 4, no. 7, p. 8-9, 27-28, 31-32, illus.)

The history of extinction of the sea otter, its behavior, and former importance to Russian and other fur traders in the Aleutian Islands.

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535. ANDREWS, CLARENCE LE-ROY, 1862-1948. Driving reindeer in Alaska. (Pacific Northwest quarterly, Apr. 1935. v. 26, p. 90-93)

Contains a summary of the drives, with distances of each, by means of

which reindeer herds became distributed in various parts of Alaska (including the Aleutian Islands) after purchase in Lapland, 1898, for relief of miners and others.

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536. ANDREWS, CLARENCE LE-ROY, 1862-1948. Early publications. (Alaska life, July 1945. v. 8, no. 7, p. 49-53)

Notes on periodicals published in Alaska, beginning 1893.

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537. ANDREWS, CLARENCE LE-ROY, 1862-1948. The Eskimo and his reindeer in Alaska. Caldwell, Id., The Caxton Printers, Ltd., 1939. 253 p. plates, map.

Contains a general account of Eskimo life in western and northern Alaska, with emphasis upon the reindeer breeding that was introduced in 1892. Based upon sojourns in Alaska by the author, particularly from 1923 to 1929 when he worked in the School and Reindeer Service. Includes descriptions of hunting seal, whale, and caribou (by corralling), p. 47-49).

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538. ANDREWS, CLARENCE LE-ROY, 1862-1948. Father of Alaska mining. (Alaska life, Feb. 1944. v. 7, no. 2, p. 49, 52-55)

Biographical sketch of George E. Pilz, first mining engineer in Alaska, his opening of gold mining in Southeast Alaska, at Sitka 1879, and later at Juneau, his being forced out by Treadwell, and his death in 1926 while prospecting in the Forty-mile region.

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539. ANDREWS, CLARENCE LE-ROY, 1862-1948. The great Veniaminov. (Alaska life, Mar. 1943. v. 6, no. 3, p. 35-38, illus.)

Biographical sketch of the missionary priest, Ivan Veniaminov, his service to natives and Russians in the Aleutian Islands, 1824-34, and later (1834-49) throughout southern Alaska, from his headquarters at Sitka.

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540. ANDREWS, CLARENCE LE-ROY, 1862-1948. Mail routes of the Northland. (Alaska life, Apr. 1946. v. 9, no. 4, p. 20-22, illus.)

History of the U.S. postal service

in Alaska from its beginning in July 1867, using the dog sledge and canoe to the present-day airplane.

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541. ANDREWS, CLARENCE LE-ROY, 1862-1948. The man who opened Alaska. (Alaska life, Dec. 1942. v. 5, No. 12, p. 42-47, illus.)

Historical notes on Grigoriĭ Ivanovich Shelekhov who financed and organized the first company for colonization and trade in Alaska, 1771, the forerunner of the Russian-American Co.

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542. ANDREWS, CLARENCE LE-ROY, 1862-1948. Marine disasters of the Alaska route. (Pacific Northwest quarterly, Jan. 1916. v. 7, p. 21-37)

Contains a summary of wrecks along the Inland Passage from Seattle to Skagway, with descriptions of some of the most notable disasters. Includes lists of over four hundred marine disasters that have occurred in the Pacific, Bering Sea, and arctic waters of Alaska, giving name of ship, location of disaster, and amount of loss.

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543. ANDREWS, CLARENCE LE-ROY, 1862-1948. Organizer of the Russian-American Co. (Alaska life, Feb. 1943. v. 6, no. 2, p. 36-39, port.)

Biographical sketch of Nicholai Petrovich Rezanov, who carried on the work of Shelekhov, founder of the Russian-American Co., in the southern Alaskan region, 1795-1807.

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544. ANDREWS, CLARENCE LE-ROY, 1862-1948. Reindeer in Alaska. (Pacific Northwest quarterly, July 1919. v. 10, p. 171-76)

Contains a brief description of the initiation of the reindeer industry in Alaska in 1891, and of the subsequent progress of the industry.

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545. ANDREWS, CLARENCE LE-ROY, 1862-1948. Reindeer in the Arctic. (Pacific Northwest quarterly, Jan. 1926. v. 17, p. 14-17)

Contains description of the reindeer industry of the area north of Brooks Range, Alaska, including details of ice corrals and other local characteristics of the herding by Eskimos.

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546. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** A relic of the quest for Sir John Franklin. (Alaska life, May 1945. v. 8, no. 5, p. 41-43, illus., map)

Concerning a roll of paper found by a North Alaska Eskimo in 1929 near Kotzebue, and the identification of this "relic" as provision depot lists from the Franklin search expeditions of the *Investigator* and *Enterprise* during 1850-55. **Copy seen: DLC.**

547. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** Russian shipbuilding in the American colonies. (Pacific Northwest quarterly, Jan. 1934. v. 25, p. 3-10)

A history of the shipbuilding industry of the Russians in Alaska, with names, tonnage, and dates of construction of the vessels. **Copy seen: DLC.**

548. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** The Russian steamer *Politofski*. (Alaska life, Jan. 1947. v. 10, no. 1, p. 30-31)

Note on the last ship launched by the Russians at Sitka, Alaska, in 1863, and her subsequent fate. **Copy seen: DLC.**

549. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** Sitka, the chief factory of the Russian American Company. 3d ed. Caldwell, Id., The Caxton Printers, Ltd., 1945. 144 p. front., 35 plates, map (end papers). Third edition of a work first published as *The story of Sitka*, 1922.

Popular history of Sitka, with a description of the present-day city and its vicinity. Principal changes since the first edition are a preface, additional plates, revised chapter on "What to see," and use of a modern system for transliterating Russian names. *Map of Sitka in 1867* (end papers), scale 1:2,350. **Copy seen: DLC.**

550. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** So you thought you knew all about the Diomedes? (Alaska life, Oct. 1941. v. 4, no. 10, p. 6-8, illus.)

Historical notes and description of the physical features of Diomed Islands, Bering Strait. **Copy seen: DLC.**

551. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** Some Russian books on Alaskan history. (Pacific North-

west quarterly, Jan. 1937. v. 28, p. 75-87)

A bibliographic summary of the principal available Russian sources in America (published and unpublished) dealing with Alaska in the Russian period. **Copy seen: DLC.**

552. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** The story of Alaska. Seattle, Lowman & Hanford Co., 1931. 258 p. front., 11 plates (incl. map)

A history of Alaska from the earliest explorations to recent developments. It contains, in addition to general history, descriptions of various industries, such as seal and sea-otter hunting, gold mining, and gardening; accounts of missionary activities; observations on contacts of native peoples with whites; and summary of railroad-building activities. Includes about 700 notes citing authorities, with comments; also illustrations from historical sources and from photographs taken by the author in the course of several years' sojourn in Alaska. *Map* shows trails used in gold rush of 1897. **Copy seen: DLC.**

553. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** The story of Alaska. Caldwell, Id., The Caxton Printers, Ltd., 1938. 303 p. 64 plates, incl. 5 maps (1 fold., in pocket).

Revised edition of work of same title published in 1931. Text and notes slightly enlarged, revised, and brought up to date; numerous additional illustrations; three additional small scale facsimile maps, and added folding map in pocket, scale 1:5,000,000 (U. S. G. S. map of Alaska, 1936). **Copy seen: DLC.**

554. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** The story of Sitka; the historic outpost of the northwest coast, the chief factory of the Russian American Company. Seattle, Press of Lowman & Hanford Co. [1922] 2 p. l., 108 p. front., 14 plates, fold. plan.

First edition of a work later published in a third edition as *Sitka*, 1945. Popular history of Sitka, Alaska. *Map* (fold.) of Sitka in 1867, scale 1:2,350. **Copy seen: DLC.**

555. **ANDREWS, CLARENCE LE-ROY, 1862-1948.** Uncompleted railways in Alaska. (Alaska life, Oct. 1942. v. 5, no. 10, p. 9-12, illus.)

Historical notes on projected railways, beginning 1885.

Copy seen: DLC.

556. ANDREWS, CLARENCE LEROY, 1862-1948. The U. S.-Siberian telegraph. (Alaska life, Sept. 1945. v. 8, no. 9, p. 36-39, map)

Notes on early proposals for the telegraph by Perry McDonough Collins, 1861, and on the Western Union telegraph expedition, 1865-67, ultimately abandoned, leaving the "overland route" unfinished.

Copy seen: DLC.

557. ANDREWS, CLARENCE LEROY, 1862-1948. The war in Alaska. (Alaska life, Nov. 1942. v. 5, no. 11, p. 5-8, illus.)

Notes on Attu, Kiska and Atka Islands' history, situation, and importance during World War II.

Copy seen: DLC.

558. ANDREWS, CLARENCE LEROY, 1862-1948. Wm. T. Lopp. (Alaska life, 1944. v. 7, no. 8, p. 49, 52-54, port.)

Story of the first school teacher (1891) at Wales, Alaska; later supervisor of the Teller Reindeer Station, and leader of the seven-hundred-mile trek overland to Point Barrow in 1898, driving reindeer for the relief of whalers stranded there without food.

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559. ANDREWS, CLARENCE LEROY, 1862-1948. Wrangell and the gold of the Cassiar; a tale of fur and gold in Alaska. Seattle, L. Tinker, commercial printer, c1937. 1 p. l., 60 p. illus., map.

A popular history of the town of Wrangell and the Stikine River region of southeastern Alaska. Includes accounts of the life and customs of the Tlingit Indians, and the activities of the Russian American Co. and Hudson's Bay Co. Sketch map of old Wrangell, scale 1:10,000.

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ANDREWS, CLARENCE LEROY, 1862-1948, see also Menzies, S. Some notes on Yukon. 1941.

560. ANDREWS, ROY CHAPMAN, 1884- The California grey whale (*Rhachianectes glaucus* Cape). Monographs of the Pacific Cetacea, no. 1. (American Museum of Natural His-

tory, N. Y. Memoirs, 1914. New ser., v. 1, pt. 5, p. 227-87, illus., plates 19-27)

Study of a specimen (called "Devil-fish") from Pacific Ocean off Korea, and California, a species which congregates in summer in the Arctic Ocean and Okhotsk Sea; its history, habits, external anatomy, and osteology.

Copy seen: DLC.

561. ANDREWS, ROY CHAPMAN, 1884- Observations on the habits of the finback and humpback whales of the eastern North Pacific. (American Museum of Natural History. N. Y. Bulletin, 1909. v. 26, p. 213-26, 11 plates)

Observations made at stations on Vancouver Island, B. C., and Admiralty Island, Alaska, May-Aug. 1909.

Copy seen: DLC.

562. ANDREWS, ROY CHAPMAN, 1884- The Sei whale (*Balaenoptera borealis* Lesson) 1. History, habits, external anatomy, osteology and relationship. Monographs of the Pacific Cetacea, 2. (American Museum of Natural History, N. Y. Memoirs, 1916. New ser., v. 1, pt. 6, p. 289-338, illus., plates 29-42, fold. table)

Discussion of a whale with distribution including northern Pacific and Atlantic Oceans, waters off Lapland, etc.

Copy seen: DLC.

563. ANDRIANOV, A. V., and F. A. GOLOVACHEV. Geologicheskoe stroenie i poleznye iskopaemye rūgo-vostochnoi chasti Chukotskogo poluostrova. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1938. T. 104, p. 153-226, illus.) *Title tr.:* The geological structure and the economic minerals of the southeastern part of the Chukotski Peninsula.

A report of the East Chukotka Expedition of the Arctic Institute of U.S.S.R., 1934, on geology and petrology of the region, with a short review on mineral resources (of no economic importance) and a note on hot springs. Summary in English.

Copy seen: DGS; DLC.

564. ANDRIANOV, P. I. Svīāzanna voda pochv i gruntov. (Akademiā nauk, SSSR. Institut merzlotovedeniā. Trudy. 1946. T. 3, p. 5-138) *Title tr.:* Bound water in grounds and soils.

Contains a theoretical summary of the present-day knowledge on proper-

ties of bound water in general and of that found in grounds and soils, primarily under positive temperatures. The work is divided into five parts: (1) the physical properties of bound water; (2) methods of determining the presence of bound water; (3) the hydrophilic character and specific surface of soils and grounds; (4) bound water and the physical chemical properties of soils and grounds; (5) causes of changes of soil and ground properties, and methods to bring them about. Bibliography (263 items).

Copy seen: DLC; NNS Stef.

565. ANDRIANOV, V. S. Pamiatniki drevnego poseleniia. (Sovetskaiia Arktika, 1936, no. 8, p. 111-12) *Title tr.:* Remnants of an ancient settlement.

Description of artifacts found during archeological excavations by the Institutes of Anthropology, Archeology, and Ethnography near Salekhard, at the mouth of Poluy River in the 1930's.

Copy seen: DLC.

566. ANDRIASHEV, ANATOLY P. Übersicht der Gattung *Stelgistrum* Jordan und Gilbert (Pisces, Cottidae) nebst Beschreibung einer neuen Art aus dem Beringmeer. (Zoologischer Anzeiger, Sept. 1935. Bd. 111, p. 289-97, illus.) *Title tr.:* On the genus *Stelgistrum* Jordan and Gilbert (Pisces, Cottidae), and a description of a new species from Bering Sea.

Contains descriptions of three species of this genus (one new) and discussion of their distribution in the waters of the western Bering Sea and Okhotsk Sea.

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ANDRIASHEV, ANATOLY P. *see also* Schmidt, P. J., & A. P. Andriashev. Greenland fish Okhotsk Sea. 1935.

ANDRIASHEV, ANATOLY P. *see also* Taranetz, A. Ia., & A. P. Andriashev. Vier neue Fischarten Ochotskischen Meer. 1935.

567. ANDRIEVICH, VLADIMIR KALISTRATOVICH, 1838- . Sibir' v XIX stol'tii [istoricheskii ocherk Sibiri, osnovannyi na dannykh, predstavliemykh Polnym sobr. zakonov i Senat. arkhivom] S.-Petersburg, Tip. V. V. Komarova, 1889. 2 v.: xx, 298 p.; xiv,

425 p., tables. *Title tr.:* Siberia in the 19th century [historical outline of Si-

beria based on data presented in the complete collection of laws and Senate archives].

Contains history of the administration of Siberia 1796-1819; its administrative divisions and organization, measures for economic stability and development, increase of population and education. Strong criticism of the inefficiency of Russian administration in Siberia caused mainly by ineptitude of the chief administrators.

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568. ANDRIASHEV, A. P. O massovom nakhozhenii babochek-listovértok na l'dakh v vysokikh shirotakh Vostochno-Sibirskogo moria. (Priroda, 1947, no. 9, p. 77-78, map) *Title tr.:* On the finding of great numbers of "leaf roller" butterflies [*Semasia diniana* Gn.] on the ice in the high latitudes of the East Siberian Sea.

Report by a member of the Eastern High Latitudes Expedition of the Arctic Institute U.S.S.R. describing observation of living butterflies found on ice as far as 73°10.7'N., in the summer of 1946.

Copy seen: DA.

569. ANDROSOVA, V. P., and others. Geograficheskii ocherk zapadnogo poberezh'ia p-ova Kanina no rabotam ékspeditsii Gosud. okeanogr. instituta 1930. (Gosudarstvennyi okeanograficheskii institut. Trudy, Moskva, 1934. T. 4, vyp. 2, p. 3-37, 9 plates, 3 fold. maps) *Other authors:* V. P. Kal'ianov and I. P. Savvatimskii. *Title tr.:* Geographical sketch of the western coasts of Kanin Peninsula according to work of the Expedition of the State Institute of Oceanography, in 1930.

General outline of the western coasts; characteristics of land forms, vegetation, animal life, populated places and industries in the river basins. Description of Stanovische Tarkhanovo, the most northerly landing point (about 68°30'N. 43°45'E.); possibilities for postal and telegraphic communication; comment on drift wood, peat deposits, fur industry, fisheries, and sealing.

Biological characteristics of fishes based on analyses of about 10,000 specimens collected by the expedition. Description and a sketch map (scale 1:84,000) of the waterway connecting Mezen' Bay with Cheshskaya Bay through Chizha and Cheshha Rivers.

Copy seen: NN.

570. ANDROSOVA, V. P. Geomorfologicheskie raboty po vostochnomu i severnomu poberezh'iu Kaninskogo polostrova letom 1932 g. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. T. 5, p. 165-88, illus., fold. plate, diagrs.) *Title tr.*: Geomorphologic work along the eastern and northern coast of Kanin Peninsula.

Report (by the leader) on the Kanin Expedition, 1932, organized by the Moscow Institute of Marine Fisheries and Oceanography, containing a geomorphological description of the region, with emphasis on problems of erosion and descriptions of rivers. Bibliography (27 items). Summary in German.

Copy seen: DLC.

571. ANDROSOVA, V. P. Mestnaia terminologiya dlia poberezhii morei SSSR. (Moskva. Universitet. Uchenye zapiski, 1937. vyp. 16, p. 46-55) *Title tr.*: Local terminology for the coasts of the seas of the U.S.S.R.

A record of terms used locally in connection with physical phenomena or characteristics of the coasts of the White Sea (mainly) also the East Siberian, Bering, and Okhotsk Seas, with brief explanation of the local meaning and indication of its use in the literature. Bibliography (13 items).

Copy seen: DSI-M.

572. ANDROSOVA, V. P. Mikrofauna severodvinskogo postpliofena. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1935. T. 1, p. 110-32, illus., tables, diagrs.) *Title tr.*: Microfauna of the Northern Dvina post-Pliocene.

Analysis of Foraminifera collections received from the U.S.S.R. Academy of Sciences, and of samplings made by the author 1928-29, in the lower Northern Dvina River region; discussion of the microfauna distribution and the horizons as evidence on post-Pliocene history of the region. Bibliography (47 items). Summary in English.

Copy seen: DLC.

ANDROSOVA, V. P., *see also* Kal'ianov, V. P., & V. P. Androsova. Geomorf. nabljud. na Kanine. 1933.

573. ÅNGSTRÖM, ANDERS KNUTSSON, 1888-. On the total radiation from sun and sky at Sveanor (79°56'N.

18°18'E.). Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 7. (Geografiska annaler, 1933. Årg. 15, p. 151-60)

Records made during July and parts of August on Northeast Land; bibliography, p. 160.

Copy seen: DLC.

574. ÅNGSTRÖM, ANDERS KNUTSSON, 1888-. and OLOF TRYSELIUS. Total radiation from sun and sky at Abisko. (Geografiska annaler, 1934. Årg. 16, p. 53-74, illus., diagrs.)

Results of radiations made at a station in northern Sweden (68°21'N. 18°49'03"E.) "at the border between the arctic region and temperate zone," during the period Mar. 15, 1931-Nov. 15, 1932.

Copy seen: DLC.

ÅNGSTRÖM, ANDERS KNUTSSON, 1888-, *see also* Ahlmann, H. W. Glaciology. Scientific results of Swedish-Norwegian Exped. 1931. 1933.

ÅNGSTRÖM, ANDERS KNUTSSON, 1888-, *see also* Lundqvist, M. Norrland. 1942.

575. ÅNGSTRÖM, JOHAN, 1813-1879. Anmärkningar om de skandinaviska arterna af släktet *Botrychium*. (Botaniska notiser, 1854, no. 5-6, p. 65-72) *Title tr.*: Critical notes on Scandinavian species of the genus *Botrychium*.

Contains critical notes on seven species of this fern found in Scandinavia, including *B. lanceolatum*, *B. lunaria* with two varieties, *rhombum* and *adanthifolium*, native to Swedish Lapland.

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576. ÅNGSTRÖM, JOHAN, 1813-1879. Anteckningar under en resa i Nordland och Lappland. (Botaniska notiser, 1839. p. 89-97) *Title tr.*: Notes on a trip to Nordland and Lapland.

Contains a list of about ninety plants collected by the author during his travels in Nordland, a province of Norway and Lapland in 1837; includes Latin descriptions of two new species.

Copy seen: MH-A.

577. ÅNGSTRÖM, JOHAN, 1813-1879. Musci novi Scandinaviae, Pugillus primus. (Botaniska notiser, 1852, no. 3, p. 33-35) *Title tr.*: New Scandinavian mosses. Part 1.

Contains an enumeration of ten Scandinavian mosses including *Hypnum Sendtnerianum*, and *Pogonatum longidens* n. sp. native to Torne Lappmark.

Copy seen: MH-A.

578. ÅNGSTRÖM, JOHAN, 1813-1879. Några anmärkningar till afhandlingen: "De svenska arterna af *Sparganium*" af P. J. Beurling, i Öfversigt af Kongl. Vetenskaps-akademiens förhandlingar. Årg. 9. No. 8. (Botaniska notiser, 1853, no. 10-11, p. 147-51) **Title tr.:** Some remarks on the work "On Swedish species of *Sparganium*" by P. J. Beurling in Öfversigt af Kong. Vetenskaps-akademiens förhandlingar Årg. 9. No. 8.

Contains a criticism of the Beurling paper, cited in the title, a Latin diagnosis of *Sparganium ramosum*, a bur-reed native to Lycksele Lappmark, and comparison with *S. natans* and some other related species also occurring in Swedish Lapland.

Copy seen: MH-A.

579. ÅNGSTRÖM, JOHAN, 1813-1879. Species novae. (Hedwigia, 1865. Bd. 4, no. 12, p. 173-75) **Title tr.:** New species.

Contains Latin descriptions of the mosses *Sphagnum laricinum*, *S. riparium*, with two forms and *S. pycnocladum*, native to Lycksele Lappmark, northern Sweden.

Copy seen: MH-F.

ANIKEEV, A. P., see Chernyshev, B. B. Siluriiskie i nizhnedevonskie korally r. Tareĭ. 1941.

580. ANIKEEV, N. P. O kristalliches-kikh porodakh i slūdonosnykh pegmatitakh taĭmyrskoĭ skladchatoĭ zony. (Problemy Arktiki, 1940, no. 3, p. 136-48) **Title tr.:** On crystalline rocks and micaceous pegmatites of the Taymyr folding zone.

Preliminary summary of the results of field and laboratory work of the Taymyr Mica Expedition to the northwestern coast of the peninsula in 1936-38. Brief geographic description of the region, discussion of its igneous rocks, pegmatitic veins, and potential mineral resources.

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581. ANIKEEV, N. P. Raboty Taĭmyr-skoiĭ geologicheskoiĭ ěkspeditcii 1936-37 goda. (Problemy Arktiki, 1938, no. 2, p. 182-90) **Title tr.:** The work of the Taymyr geological expedition, 1936-37.

Note on this expedition organized by the Arctic Institute of U.S.S.R. to make a geological survey; with a short description of the geological formation and mineral resources of the region.

Copy seen: DLC.

582. ANIKEEV, N. P., and A. I. GUSEV. Geologicheskii ocherk ŭgo-zapadnoiĭ chasti Taĭmyrskogo poluos-trova. Leningrad, Izd-vo Glavsevmor-puti, 1939. 119 [1] p. illus., fold. map, tables. (Leningrad. Vsesoiūznyiĭ arkti-cheskiiĭ institut. Trudy, 1939. T. 140) **Title tr.:** Outline of the geology of the southwestern region of Taymyr Pen-insula.

Results of a study of the stratig-raphy, tectonics and geomorphology conducted by an expedition of the Arctic Institute of U.S.S.R. in the region of Tareya River basin (right tributary of the Pyasina at about 74°N.91°E.), 1937-38, with a list of paleontological fauna; bibliography and a geological map, 1:200,000.

Copy seen: DGS.

583. ANIKEEV, N. P., and G. G. MOOR. Osnovnye cherty petrologii i metallogenii trappov basseĭna reki Se-vernoi. (Leningrad. Vsesoiūznyiĭ arkti-cheskiiĭ institut. Trudy, 1939. T. 126, p. 247-276, illus., 2 plates, fold map) **Title tr.:** Basic petrology and metal-logeny of traprocks in the Severnaya River basin.

Study based on material collected by the authors in 1931-32, along the course of this right bank tributary (at about 66°N. 88°E.) of the Nizhnyaya Tunguska in Krasnoyarskiy Kray.

Copy seen: DLC.

584. ANISIMOV, A. F. Nauchnyiĭ tsentr Sovetskogo Severa. (Sovetskaiĭa Arktika, 1936, no. 9, p. 111-12) **Title tr.:** Scientific center of the Soviet North.

Notice on the activities of the Insti-tute of the Peoples of the North.

Copy seen: DLC.

585. ANISIMOV, A. F. O soĭsial'no-ěkonomicheskikh otnosheniĭakh v okhot-khoziĭstve evenkov. (Sovetskiiĭ Sever, 1933, no. 5, p. 38-49, tables) **Title tr.:** On social-economic relations in the hunting economy of the Tungus.

Copy seen: DLC.

586. ANNABEL, RUSSELL. Hunting and fishing in Alaska. New York, A. A. Knopf, 1948. xiv, 341, v p. plates.

The author, who has lived, hunted and fished in Alaska for many years, describes the sport of hunting big sheep, bears, moose, caribou and mountain goats, ptarmigan, goose and grouse, also fishing for salmon and other trout.

Copy seen: DLC; NNSf.

587. ANNANDALE, NELSON, 1876-1924. Description of a fresh-water sponge from northwestern Siberia. Petrograd, 1915. 1 p. l., 3 p. illus. (Eks-peditsiia brat'ev Kuznetsovykh na poliarnyi Ural, 1909. Résultats scientifiques. Livr. 9. Pub. as: Akademii nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, no. 9)

Full description of *Spongilla (Euspongilla) arctica*, sp. nov. from small lakes in the valley of the Pyderata (i.e. Baydarata) River in Pe-mal tundra (about 67°30'N. 67°E.), Yamal Peninsula.

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588. ANNENKOVA, N. P. K faune Polychaeta Zemli Frantsa Iosifa. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1932, p. 153-94, illus., tables) *Title tr.:* On Polychaeta of Franz Josef Land.

A systematic review of material collected by G. P. Gorbunov on the ice-breaker *Sedov's* voyages 1929-30, with descriptions of sixty-four species of these annelid worms.

Summary in German.

Copy seen: DLC.

589. ANNENKOVA, N. P. Kurze Übersicht der Polychaeten der Litoralzone der Bering-Insel (Kommandor-Inseln), nebst Beschreibung neuer Arten. (Zoologischer Anzeiger, Juni 1934. Bd. 106, p. 322-31, illus.) *Title tr.:* Brief summary of the polychaetes of the littoral zone of Bering Island (Commander Islands) with a description of some new species.

Contains a list of fifty-two species, brief remarks on their distribution, and descriptions of eight new species and two new subspecies.

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590. ANNENKOVA, N. P. Novye vidy mnogoshchetinkovykh chervei (Polychaeta) iz Severnogo Ledovitogo okeana. (In: Dreifußschel'naia ekspeditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 185-88, illus.) *Title tr.:* New species of Polychaeta from the Arctic Ocean.

Descriptions of three new species of annelid worms found in the collection taken by the ice-breaker *Sedov* in 1937-38.

Summary in English.

Copy seen: DLC.

591. ANNENKOVA, N. P. Die Polychaeten in den Sammlungen der Jakutischen Expedition der Akademie der Wissenschaften der U.S.S.R. (Zoologischer Anzeiger, Juli 1931. Bd. 95, p. 203-205) *Title tr.:* The polychaetes collected by the Yakut Expedition of the U.S.S.R. Academy of Sciences.

The expedition of the Yakut Commission of the Academy visited Laptev Sea in 1927. From its collection the author gives notes and localities of two species of polychaete worms new to this sea, with description of one new to science, and mention of nine other species known to occur, and found by the expedition.

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592. ANNENKOVA, N. P. Zur Polychaetenfauna von Franz-Joseph-Land (*Melinneis* gen. nov. *arctica* sp. nov.) (Zoologischer Anzeiger, Juli 1931. Bd. 95, p. 269-72, illus.) *Title tr.:* On the polychaete fauna of Franz Josef Land. (*Melinneis* gen. nov. *arctica* sp. nov.)

Based on collections made during the cruise of the *Sedov*, 1929-30, description of a new genus and species from Queen Victoria Sea and northern Barents Sea.

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593. ANNENKOVA, N. P., and Z. G. PALENICHKO. Nakhozhdenie boreal'noi polikhety v Belom More. (Priroda, 1947. No. 5, p. 64-67, illus., map) *Title tr.:* On the presence of *Nereis virens* in the White Sea.

An account of the appearance of a species of annelid worms not previously observed in the White Sea, with description and brief note on distribution.

Copy seen: DA.

594. ANNES, ERLE CHADWICK. The geology and economic minerals of Yukon Territory. (Mine, quarry and derick, Apr. 1915. v. 1, p. 176-81, illus.)

A paper entered for students' competition at the University of Alberta. It describes the physiography, and the general and economic geology of the Yukon; the Klondike gold fields' placer operations and mining companies; mention of the Kluane and Wheaton districts, the Whitehorse copper belt, and the coal mining.

Copy seen: DGS.

595. ANRICK, CARL-JULIUS, 1895-. En sommarresa till Östgrönland. (Ymer, 1932. Årg. 52, p. 175-212, illus., maps) *Title tr.:* A summer journey to East Greenland.

Account of the Louise A. Boyd Expedition, 1931, in the *Veslekari*, written by a guest of the expedition, with a description of the Scoresby Sound and Franz Joseph Fiord regions of East Greenland. *Copy seen:* DLC.

ANROOY, P. J. HYMANS VAN, *see* Bruyne, A. de, & others. *Verslagen omtrent den tocht Willem Barents* 1878. 1879.

596. ANSON, CHARLES LYMAN. Arctic man. (Alaska sportsman, Dec. 1949. v. 15, no. 12, p. 20-23, 28-29, illus.)

Biographical notes on Charles D. Brower (1863-1945) of Point Barrow. *Copy seen:* DLC.

ANSON, CHARLES LYMAN, *see also* Albee, R. S., & others. Alaska challenge. 1940.

597. ANTEVS, ERNST, 1888-. Climaxes of the last glaciation in North America. (American journal of science, Oct. 1934. Ser. 5, v. 28, p. 304-311)

Includes discussion of probable mode of development of the ice sheets, with remarks on regions in the Arctic. *Copy seen:* DLC.

598. ANTEVS, ERNST, 1888-. Late-glacial correlations and ice recession in Manitoba. Ottawa, King's Printer, 1931. v. 76 p. incl. maps, tables, plates (fold. diagr.) (Canada. Geological Survey. Memoir 168)

Contents include chapters on division of late Quaternary of North America, conditions in northern Manitoba during late-glacial time, rate of ice recession in Grass River region, and glacial clays of Grass River region. Bibliography, p. 71-76. *Copy seen:* DLC.

599. ANTEVS, ERNST, 1888-. Maps of the Pleistocene glaciations. (Geological Society of America. Bulletin, Dec. 1929. v. 40, p. 631-720, 21 figs. (maps))

Report on a compilation of glacial maps of both hemispheres, undertaken by the author for the Glacial Committee of the Geological Society of America. It includes, in "Ice-sheets of North America": Alaska, arctic North America, Labrador, and Greenland; in "Ice-sheets in northern Europe": U.S.S.R. and Barents Sea; in "Pleistocene glaciation on islands in arctic and sub-arctic Europe": Franz Josef Land,

King Charles Land, West Spitsbergen, Bear Island, and Jan Mayen. Bibliography. *Copy seen:* DGS.

600. ANTEVS, ERNST, 1888-. Retreat of the last ice-sheet in eastern Canada. Ottawa, King's Printer, 1925. 1 p. l., iii, 142 p. incl. tables, diagrs. 9 plates (incl. 6 fold. diagrs.) maps (1 fold.) (Canada. Geological Survey. Memoir 146. Geological ser., no. 126)

Description of the sediments and soils from the ice age in a study of ice recession; the relationship between the retreat in North America and Europe; the localities studied; bibliography, p. 129-38. *Copy seen:* DLC.

601. ANTEVS, ERNST, 1888-. The spread of aboriginal man to North America. (Geographical review Apr. 1935. v. 25, p. 302-312)

Remarks in support of the theory of migration from eastern Asia through Alaska in late-Quaternary times, with notes on the extent of glaciation on this continent in relation to routes. *Copy seen:* DLC.

602. ANTEVS, ERNST, 1888-, and A. G. NATHORST. Kohlenführender Kulm auf der Bären-Insel. (Geologiska föreningens i Stockholm. Förhandlingar, 1917. Bd. 39, p. 649-63, 2 plates) *Title tr.:* Coal-bearing limestone on Bear Island.

Contains a geological description of the formation, by E. Antevs; and a list, with discussion and descriptions of its nine newly discovered fossil flora species, by A. G. Nathorst. *Copy seen:* DGS.

603. ANTHONY, A. W. Stray notes from Alaska. (Auk, Apr. 1906. v. 23, p. 179-84)

Results of records made during the winter of 1904-05, in the open tundra of Seward Peninsula, of the birds heard and seen, the nests and migrations. *Copy seen:* DSI-M.

604. ANTHONY, HAROLD ELMER, 1890-. Nature's deep freeze. (Natural history, Sept. 1949. v. 58, p. 296-301, illus.)

Popular article on mammoths discovered in Siberia and Alaska over several centuries, and particularly on recently excavated specimens from the Fairbanks region. *Copy seen:* DLC.

604A. ANTHROPOLOGICAL INSTITUTE OF GREAT BRITAIN AND IRELAND. ARCTIC COMMITTEE. Report . . . to the council. (*In*: Royal Geographical Society, *London*. Arctic geography and ethnology, 1875. p. 276-92)

Report of the Arctic Committee in reference to a letter from the Royal Geographical Society, 1872, requesting the Anthropological Institute to submit to the Council of the Society, a statement "embodying their views, in detail, of the various ways in which the science of anthropology would be advanced by arctic exploration." *Appendix*: Questions for explorers, comprises ten sets of specific suggestions regarding the observation of native tribes, made by eight specialists.

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605. ANTI-MONOPOLY ASSOCIATION OF THE PACIFIC COAST. A history of the wrongs of Alaska. An appeal to the people and press of America. February, 1875. San Francisco [Anti-Monopoly Association of the Pacific Coast] 1875. 43 p. Reprinted unchanged in O. O. Howard, *Report of tour in Alaska Territory in June 1875*, 1876. (44th Cong., 1st sess. Senate. Ex. Doc. 12).

Describes the activities of Hutchinson, Kohl & Co. and their successors, the Alaska Commercial Co., in connection with their lease for fur sealing in the Pribilof Islands, and presents arguments in favor of voiding the lease and opening the fur-seal trade to other people. Includes text of resolution and petitions from business men and Pribilof Aleuts, castigating the Alaska Commercial Co. for its treatment of the natives and its collusion with government officials to maintain a monopoly of Alaskan trade; describes the way in which a contract was awarded by the Secretary of the Treasury for the lease of fur-trading rights.

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606. ANTIPIN, V. M. Fauna pozvochnykh severo-vostoka Novoï Zemli. (*Problemy Arktiki*, 1938, no. 2, p. 153-71, illus., map) *Title tr.*: Vertebrates of northeastern Novaya Zemlya.

A sketch based on author's field study 1936-37, containing short descriptions of forty birds and nine mammals observed.

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607. ANTIPIN, V. M. Morskoi zver na Novoï Zemle. (*Sovetskaiâ Arktika*, 1938, no. 7, p. 98-101, illus.) *Title tr.*: Sea mammals on Novaya Zemlya.

Notes on animals encountered in the region, also on methods of sealing and bear hunting. *Copy seen*: DLC.

608. ANTONOV, L. B. Apatitovy mestorozhdeniâ Khibinskoi tundry. (*In*: Khibinskie apatity, 1934. T. 7, p. 1-196, illus., maps (incl. 3 fold.) tables.) *Title tr.*: Apatite deposits of Khibina Tundra. Basic study of the subject and exhaustive account of results of a five-year investigation of Kukisvumchorr apatite deposit, said to be the greatest in the world, located in the Loparskaya River valley 27 km. east of Apatite Station (Apatity, about 67°-30'N. 33°05'E.) Kola Peninsula.

Contains a note on the climate (p. 6-8): the probability of precipitation every seven days in a ten-day period in the region of Kirovsk, the more elevated parts of the tundra being warmer in winter and colder in summer than the valley sections, (with tables). An outline of the orography of the region, p. 8-18; its geological and petrographic characteristics, p. 18-56. Structure of the deposit; photographic representation of samples. Tables show phosphorus pentoxide content in individual ore zones and the results of analyses of samples taken in various bore holes, p. 57-113. Calculation of the reserves of the mineral, p. 113-50. Account of prospecting, 1929-34; illustrations show vertical section of bore holes, p. 150-96. Geological map of Khibina Tundra, scale 1:62,500, at end of volume.

Copy seen: DLC.

609. ANTONOV, L. B., and others. Novye zhily s redkozemel'nymi mineralami gory Kukisvumchorr v Khibinskikh tundrah. (*In*: Khibinskie apatity, 1933. T. 5, p. 173-80, illus., tables) *Other authors*: I. D. Borneman-Starykevich and P. N. Chirvinskii. *Title tr.*: New veins containing rare-earth metals in Kukisvumchorr Mountain, Khibina Tundra.

On rare-earth lovorhorrite-rinkolite veins discovered during the geological survey of the southern spur of Kukisvumchorr in 1932. Description of two especially interesting types — natrolite and carboer — found among the min-

erals containing rare-earths. Results of chemical analyses.

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610. ANTONOV, L. B. Sfenovoe mestorozhdenie doliny reki Loparskoï. (*In:* Khibinskie apatity, 1933. T. 5, p. 107-118, illus., map, tables) *Title tr.:* Sphene deposit in the Loparskaya River valley.

On a large sphene deposit found in the Kukisvumchorr-Yukspor ore body, as a result of field work in 1931-32. Chemical analyses of samples. Geology of the deposit. Map shows the limits of the region investigated, also location of the deposit and bore holes.

Copy seen: DLC.

ANTONOV, L. P., *see* Fiveg, M. P., & others. Razvedka Kukisvumchorr-yuksporskoi linzy. 1932.

611. ANTONOV, L. V. Plavanie ledokola "Krasin" k Novoï Zemle zimoi 1933 g. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1934, no. 1, p. 16-23, illus. map) *Title tr.:* Voyage of the ice-breaker *Krasin* to Novaya Zemlya in the winter 1933.

A description of the voyage, the difficulties encountered and some deductions on ice conditions in Barents Sea near the northern and western coasts of Novaya Zemlya. *Copy seen:* DLC.

612. ANTONOV, L. V. Zametki o tekhnicheskikh v ñugo-zapadnoi chasti Karskogo moria. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1934, no. 1, p. 33-38) *Title tr.:* Remarks on the currents in the southwestern part of Kara Sea.

Results of observations made during several voyages 1931-33, phenomena being noted for the first time.

Copy seen: DLC.

613. ANTONOV, N. D. Hidrologicheskai kharakteristika nizov'ia reki Obi. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 128, p. 27-79, tables, diags.) *Title tr.:* Hydrological description of lower Ob' River.

A study of flow of water and icing, based on observations over many years; data on freezing and opening, river levels, water discharge, and other factors.

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614. ANTONOV, N. D. Kolichestvo tepla vnosimoe rekami v Karskoe more. (Leningrad. Vsesoiuznyi arkticheskii

institut. Trudy, 1936. T. 35, p. 23-50, tables, diags.) *Title tr.:* Amount of heat carried by the rivers into the Kara Sea.

Temperature effects of river discharge into Kara Sea; study of river temperatures and discharge measurements at principal stations for Ob and Yenisey Rivers.

Summary in English.

Copy seen: DLC.

615. ANTONOV, N. D. Materialy po gidrologii nizov'ev reki Eniseia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 105, p. 143-81, tables, diags.) *Title tr.:* Materials on hydrology of lower Yenisey River.

Contents (Based on data collected 1912-35): 1. General information. 2. Hydrological exploration. 3. Water level. 4. Water discharge. 5. Relation of hydrological conditions of Yenisey River to ice conditions in Kara Sea.

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616. ANTONOV, V. S. Aviarazvedki na Zemle Frantsa Iosifa. (Sovetskai Arktika, 1936, no. 7, p. 90-92, map) *Title tr.:* Aerial reconnaissance of Franz Josef Land.

Description of the aerial survey of the archipelago and its ice conditions in 1934-35. Map shows routes of the flights.

Copy seen: DLC.

617. ANTONOV, V. S. K voprosu o taniianii l'dov. (Problemy Arktiki, 1940, no. 11, p. 23-29, illus., table) *Title tr.:* The question of melting of ice.

Brief review of literature and the author's method of calculating the melting of ice. Bibliography (12 items).

Copy seen: DLC.

618. ANTONOV, V. S. K voprosu o termike vody v rekakh arkticheskoi zony. (Problemy Arktiki, 1940, no. 4, p. 25-34, table, diags.) *Title tr.:* On the thermal régime of water in rivers of the arctic zone.

Brief review of the literature and discussion of methods used and results obtained in observations on water temperature of the Yenisey and its right tributary (at 65° 53'N. 88° 36'E.) the Kureyka. Bibliography (11 items).

Copy seen: DLC.

619. ANTONOV, V. S. Predvaritel'noe soobshchenie o rabote iuzhnotaïmyrskoi gidrotekhnicheskoi ekspeditzii 1937

goda. (Problemy Arktiki, 1938, no. 1, p. 99-102) *Title tr.*: A preliminary report on the work of the Southern Taymyr Hydrotechnical Expedition; 1937.

Account of a six-man party under the author's leadership, its survey of the Avam-Tagenar Rivers region (about 71°N. 93°E), with remarks on hydrology and economic conditions; with outline of three plans suggested for linking together a number of small lakes and rivers to form a navigable waterway in this part of the Dudypa-Pyasina Rivers system.

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620. ANTONOV, V. S. Priliv v bukhte Tikhoi (Zemlia Frantsa Iosifa). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 81, p. 7-14, tables, diagrs.) *Title tr.*: Tides at Tikhaya Bay (Franz Josef Land).

Observations made for the Arctic Institute of U.S.S.R. in 1934-35 at this polar station (80°19'N. 52°48'E.) on Hooker Island.

Copy seen: DLC.

621. ANTONOV, V. S. Termika i otaiwanie pochvy Avamo-Tagenarskoi tundry. (Problemy Arktiki, 1940, no. 10, p. 26-32, tables, diagrs.) *Title tr.*: Thermal régime and thawing of the ground in the Avam-Tagenar tundra.

Results of the author's study between Avam and Tagenar Rivers (observation point — in the permafrost zone at 70°51'N. 93°E.) during the Hydrotechnical Expedition of the Arctic Institute in 1937.

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622. ANTONOV, V. S. Zapasy vody v snegovom pokrove taymyrskoi lesotundry. (Problemy Arktiki, 1940, no. 10, p. 107-108, sketch map) *Title tr.*: Reserve of water in a snow cover of the Taymyr forests and tundras.

The calculation of the water reserve in a snow cover is based on a snow survey made near 70° 51'N. 93° E. in 1937.

Copy seen: DLC.

ANTONOV, V. S., see also Korovkin, I. P., & V. S. Antonov. Priliv v r. Khatanga i Khatangskom zal. 1938.

623. ANTROPOVA, V. V. K voprosu o mezhduplemennykh otnosheniakh i voennykh ukrepleniakh u narodov severovostoka Sibiri. (Akademiia nauk SSSR. Institut étnografii. Kratkie soobshcheniia, 1947. Vyp. 3, p. 64-65) *Title tr.*: Contributions to the problem of inter-

tribal relations and military fortifications among the peoples of north-eastern Siberia.

Contains the summary of a report based on a study of the relationships between the Chukchis, the Koryaks, the Yukaghirs, Eskimos, Kamchadals and Tungus; indicates the causes of Chukchi-Koryak wars, the Eskimo-Chukchi trade affiliations and the use of fortifications against attackers by the Koryaks and Kamchadals.

Copy seen: DLC; NN.

624. A[NUCHIN], D. Izslédovanie poliarnykh stran za poslednie dva goda. (Zemlevedenie, 1900. T. 7, kn. 4, p. 63-78) *Title tr.*: Exploration of polar countries for the last two years.

Review of recent arctic expeditions, the three expeditions of 1899 to Greenland by Peary, Sverdrup and Stein; the Duke of the Abruzzi's expedition on the *Stella Polare* in 1899-1900, to the western coast of Rudolf Land (82° 4'N.); Capt. Cagni's dog-sledge trip to 86°33'N.; Baron von Toll's expedition to the New Siberian Islands (in progress); A. T. Nathorst's investigation of Franz Joseph Fiord, East Greenland, the discovery of King Oscar Fiord, his detailed observations of musk oxen, wolves and wild reindeer in the Scoresby Sound region; Lieut. Amdrup's expedition to the East Greenland coast between 70° and 66°N. in 1898.

Copy seen: DGS.

625. ANUFRIEV, I. Mertvaia voda. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1929. T. 56, p. 171-73) *Title tr.*: Dead water.

Account of the "dead water" phenomenon, encountered in Barents Sea at 73°43'30"N. 53°16'E., on Aug. 24, 1909.

Copy seen: DLC.

626. ANUFRIEV, I. Zametki iz plavaniia u severnoi chasti Novoi Zemli v 1930 g. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1932, no. 1, p. 133-36, map) *Title tr.*: Notes on the voyage to the northern part of Novaya Zemlya, 1930.

Brief account of observations made on board the sealer *Smol'nyi*, (a motor sailboat) mentioning some inaccuracies on the Russian hydrographic chart, no. 1891.

Copy seen: DLC.

ANUFRIEV, I. I., see Smelkov, I. I., & I. I. Anufriev. U podnozhii velikana. 1936.

627. ANVELT, I. A. I. A. Perspektivnyy razvitiya vozdukhnykh soobshchenii na Severe. (In: Obshchestvo izucheniya Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 1-9, fold map) *Title tr.*: The prospects for development of northern airways.

Discussion of problems of organization of the air communication in northern regions of the U.S.S.R.; mentions the first air lines established in the Soviet North (Irkutsk-Yakutsk, in 1928, Arkhangel'sk-Syktikvar and Khabarovsk-Sakhalin, in 1929-30); strategic importance of aviation for the security of Soviet northern coast.

Map (fold., scale 1 inch: 700 km.), the northern airways of the U.S.S.R. in 1932.

Copy seen: DLC.

627A. "APATIT" TREST. The Kukisvumchorr apatite deposit. (In: Polkanov, A. A., editor. The northern excursion; Kola Peninsula, 1937. p. 103-110. *Pub.* as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 2])

Translation of its *Kukisvumchorrskoe mestorozhdenie apatita*, 1937. q. v.

Copy seen: DLC.

628. "APATIT" TREST. Kukisvumchorrskoe mestorozhdenie apatita. (Mezhdunarodnyi geologicheskii kongress. 17 sessiya, SSSR, 1937. Severnaya ekskursiya. Chast' 2, Kol'skii poluoostrov. Leningrad, 1937. p. 107-113, illus., tables) *Title tr.*: Kukisvumchorr apatite deposit.

A sketch (based on the materials of Apatite Trust) of the geological structure of the region around Kukisvumchorr 67°37'N. 33°39'E.; mineralogical composition and genesis of the ore. Also published in English with title as above, q. v.

Copy seen: DLC; NN.

"APATIT" TREST, *see also* Afanas'ev, V. A., & V. I. Kotelnikov. Pirrotinovyie mestorozhdeniya Khibinskikh tundr. 1940.

"APATIT" TREST, *see also* Khibinskii apatit. 1931-34.

629. APELL, GIDEON ASOF. Moose Creek district of Matanuska coal fields, Alaska. Washington, 1944. 36 p. 17 plates (incl. map, diagrs.) (U. S. Bureau of Mines. Report of investigations 3784)

Results of a Bureau of Mines survey, 1942-43: notes on location, accessibility, property and ownership, physical features, and labor conditions; descriptions of the geology, the coal deposits, character of the coal, and reserves; remarks on the value, development, and past production, and proposals for future development.

Copy seen: DGS.

630. APPELLÖF, JAKOB JOHAN ADOLF, 1857-1921. Pycnogoniden. Kristiania, A. W. Brøgger, 1910. 7 p. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the Fram, 1892-1902, v. 3, (no. 26)).

Contains notes on specimens of three species of sea-spiders with a record of their localities in Jones Sound (76°N.-84°W.) in the Canadian Arctic.

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631. APPELLÖF, JAKOB JOHAN ADOLF, 1857-1921. Die Pycnogoniden des Eisfjords. Stockholm, Almqvist & Wiksell, 1916. 29 p. illus. (incl. tables), map. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2, [Heft 5]. *Pub.* as: Svenska vetenskapssakademien. Handlingar. Bd. 54, no. 5) *Title tr.*: Pycnogonids of Ice Fiord.

List with descriptions, locations and general distribution of sea spiders in Ice Fiord, West Spitsbergen. Bibliography, p. 29.

Copy seen: DLC.

APPELLÖF, JAKOB JOHAN ADOLF, 1857-1921, *see also* Hjort, J., & others. Oversigt Norsk fiskeri, 1900-1908. 1909.

APPLETON & CO., *see* Scidmore, E. R. Appleton's guide-book to Alaska. 1899.

APPLEWHITE, K. H., *see* Wilson, C. S., & others. Heavy ground aerosol generators. 1949.

APPOLONIA, E. d', *see* Hardy, R. M., & E. d'Appolonia. Permanently frozen ground & foundation design. 1946.

632. APSTEIN, CARL. Das Vorkommen von Salpen in arktischen Gebieten. (In: Fauna arctica, 1910. Bd. 5, p. 5-12, illus., sketch chart) *Title tr.*: The occurrence of salpas in arctic regions.

Contains descriptions, and references for the three species of these tunicates found in the seas above the Arctic Circle, and for three more which have been singly recorded in northern waters, with a discussion of distribution and a key.

Copy seen: DA.

ARCHANGEL SOCIETY FOR STUDY OF THE RUSSIAN NORTH, *see* Arkhangel'skoe obshchestvo izucheniia russkogo severa.

633. ARCHBOLD, CHESTER M., 1897- . Restoration. (Alaska sportsman, Mar. 1939. v. 5, no. 3, p. 16-17, 30, illus.)

Account of the program of restoration of totem poles carried out by the U. S. Forest Service with the help of the Civilian Conservation Corps in Southeast Alaska. *Copy seen:* DLC.

634. ARCHER, COLIN, 1832-1930. The Fram. [Christiania, etc., J. Dybwad, 1900] 16 p. illus., 3 plates (part fold., diagsr.) (In: Nansen, Fridtjof, ed. Norwegian North Polar Expedition 1893-96. Scientific results. v. 1, no. 1)

Detailed description of the ship's construction, with three ship's plans.

Copy seen: DLC.

ARCHER, S. A., *see* Bompas, C. S. Heroine of North. 1929.

635. ARCHIBALD, EDGAR SPINNEY, 1885- . Agricultural lands in the Canadian Northwest. (Canadian geographical journal, July 1944. v. 29, p. 40-51 (incl. 3 p. of illus.))

Based on work of a committee under the North Pacific Planning Project, results of a study of soils, climate and agricultural experimentation in northwestern Canada, including Yukon Territory and Mackenzie District.

Copy seen: DLC.

636. ARCHIBALD, EDGAR SPINNEY, 1885- . The Canadian Northwest. (C.S.T.A. review, Dec. 1943. No. 39, p. 5-12, incl. sketch map, illus.)

Summary of a talk before the eastern Ontario Local of Canadian Society of Technical Agriculturalists, Oct. 13, 1943, by the Director of the Canadian Experimental Farms Service. Brief remarks on the topography, transportation, and mineral resources of the northern British Columbia and Alberta areas, Yukon Territory and the Mackenzie valley; and discussion of the agricultural possibilities and settlement, the climate and soil of these regions.

Copy seen: CaMAI; CaOA; DA.

ARCHIBALD, EDGAR SPINNEY, 1885- , *see also* Hanna, W. F., & others. Soils & agriculture (Program of investigations). 1946.

637. ARCTANDER, JOHN WILLIAM, 1849-1920. The apostle of Alaska; the story of William Duncan, of Metlakahla. New York, Chicago [etc.] Fleming H. Revell Co., [c1909] 395 p. front., 32 plates, incl. ports., map.

A biography of William Duncan, together with history of the Metlakahla Indian community and notes on the original characteristics of the Tsimshian Indians. Includes an account of shamanism among the Tsimshians and condensations of several myths and tales collected by James Wallace and here published for the first time; details of the founding, problems, and transfer from Canada to Alaska of Metlakahla community; and description of the salmon industry developed at Metlakahla, Alaska. *Copy seen:* DLC.

638. ARCTIC. New Royal Canadian Navy ice-breaker. (Arctic, May 1949. v. 2, p. 75, illus.)

Description of a vessel under construction, similar to the U. S. Coast Guard *Eastwind* class.

Copy seen: CaMAI; DLC.

639. ARCTIC; journal of the Arctic Institute of North America. Ottawa, 1948- (in progress). v. 1, no. 1-v. 2, no. 3 (1948-1949). illus., maps, tables, diagsr. Published twice in 1948, three times a year in 1949 and subsequently; edited by Diana Rowley.

The journal is devoted to information on arctic regions and contains original papers on scientific investigations particularly in the North American Arctic, reports of progress in research, and news concerning international arctic research and projects sponsored by the Arctic Institute of North America.

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640. ARCTIC CIRCULAR. Biting insects in the Arctic. (Arctic circular, Aug. 1948. v. 1, p. 67)

Note on localities, program, and directing personnel of the Canadian Defence Research Board and Dept. of Agriculture investigations of biting insects in the Canadian Arctic and subarctic. *Copy seen:* CaMAI.

641. ARCTIC CIRCULAR. Ice reconnaissance over Hudson Bay. (Arctic circular, Apr. 1949. v. 2, p. 41-42)

Report on flights, Mar. 8 and 17, 1949, in continuation of the program

begun in the winter 1947-48; by the Defence Research Board of Canada.

Copy seen: CaMAI.

642. **ARCTIC CIRCULAR.** New arctic weather stations. (Arctic circular, May 1948. v. 1, p. 45-46)

Notice of establishment of Canadian-U. S. meteorologic and aerologic stations on Prince Patrick and Ellef Ringnes Islands.

Copy seen: CaMAI.

643. **ARCTIC CIRCULAR.** The Northwest Territories and Yukon radio telegraph system. (Arctic circular, Feb. 1949. v. 2, p. 21-22)

History of development of wireless communication operated by the Royal Canadian Corps of Signals, beginning 1923 at Dawson and Mayo Landing, with lists of present signals and broadcast stations.

Copy seen: CaMAI.

644. **ARCTIC CIRCULAR.** Operation Canon. (Arctic circular, Feb. 1948. v. 1, no. 2, p. 5-8)

Account of flights, parachuting, and other activities involved in the aerial relief of Canon J. H. Turner, for eighteen years Church of England missionary in the Canadian Eastern Arctic. Canon Turner was taken out of his Moffet Inlet (Baffin Island) mission on Nov. 21, 1947 after an accident, and died Dec. 9, 1947. This article includes a sketch of his work in the Arctic.

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645. **ARCTIC CIRCULAR.** Operation Polco. (Arctic circular, Mar. 1948. v. 1, p. 20-23)

Account of a joint, airborne expedition of the Royal Canadian Air Force and Division of Terrestrial Magnetism of the Dominion Observatory, July-Sept. 1947, to make magnetic observations at nine stations in the Northwest Territories and Canadian Arctic Islands.

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646. **ARCTIC CIRCULAR.** v. 1-2, 1948-1949. Ottawa, The Arctic Circle, 1948-49 (in progress). 2 v. Process-print. Eight numbers a year are issued, Jan.-May, Aug.-Dec., with index and contents list at end of volume; edited by Diana Rowley, and published by the Arctic Circle, a club with headquarters in Ottawa, Canada.

Contains informal proceedings of the club's meetings, with reports and

news from members and others on governmental and private expeditions, research and activities in the North American Arctic, and brief articles on arctic subjects.

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ARCTIC CLUB, Seattle, see Alaska almanac. 1905-1909.

647. **ARCTIC INSTITUTE OF NORTH AMERICA.** Blue Dolphin Expedition to Labrador. (Arctic, May 1949. v. 2, p. 58-59, illus.)

Description of this schooner built in 1926, and being reinforced for use in ice and equipped for hydrographic and oceanographic investigations. A scientific expedition to Labrador waters in the *Blue Dolphin* under Commander David C. Nutt, is planned for June 1949, under auspices of the Arctic Institute of North America.

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648. **ARCTIC INSTITUTE OF NORTH AMERICA.** Library accessions. Montreal, March, 1948- (in progress).

Mimeographed list (issued about ten times a year) of books, pamphlets, reprints, process-printed and typewritten papers, reports, etc., received at the headquarters of the Arctic Institute of North America, Montreal. These lists record publications and some unpublished works on a wide range of subjects and research projects relating to the arctic regions.

File seen: CaMAI.

649. **ARCTIC INSTITUTE OF NORTH AMERICA.** Mapping and description. (*In Its:* A program of desirable scientific investigations in arctic North America. *Pub.* as *Its:* Bulletin, Mar. 1946, No. 1, p. 3-6)

Remarks by J. T. Wilson, D. B. MacMillan, W. H. Allen and S. W. Boggs on needs and possible programs in isomagnetic and other mapping of lesser known arctic areas.

Copy seen: CaMAI; DLC; DSI-M.

650. **ARCTIC INSTITUTE OF NORTH AMERICA.** A program of desirable scientific investigations in arctic North America. Montreal, 1946. 65 p. (*Its:* Bulletin. No. 1)

Contents: Arctic Institute of North America. Mapping and description.

DORSEY, H. G., and others. Meteorology and climatology.

SVERDRUP, H. U., and M. J. DUNBAR. Oceanography.

SMITH, P. S., and G. HANSON. Geology.

ROSE, D. C., and others. Special physical problems.

WYNNE-EDWARDS, V. C., and others. Biology.

COLLINS, H. B. Anthropology.

JENNESS, D. Ethnology and archaeology.

HANNA, W. F., and others. Soils and agriculture.

Each paper appears in this Bibliography under its author's name.

Copy seen: CaMAI; DLC; DSI-M.

ARCTIC INSTITUTE OF NORTH AMERICA, see also *Arctic: journal of Arctic Institute of North America*. 1948- .

ARCTIC INSTITUTE OF NORTH AMERICA, see also Hemstock, R. A. Permafrost at Norman Wells. 1949.

651. ARCTIC MISCELLANIES. A souvenir of the late polar search. By the officers and seamen of the expedition. 2d. ed. London, Colburn & Co., 1852. 2 p. l., [vii]-xxiv, 347, [1] p. col. front. illus.

A collection of articles extracted from a manuscript newspaper called "Aurora borealis," published monthly and edited by one of the officers of the *Assistance*, during the expedition under Sir H. T. Austin in search of Franklin, 1850-51, in Canadian Arctic waters. The collection includes a variety of whimsical and informative articles by members of the expedition, on animals and birds, sledge journeys, entertainment, history, and the Eskimos, etc.

Copy seen: DLC; NNStef.

652. ARCTIC OIL WELLS TO PLAY A VITAL ROLE. (Petroleum times, Dec. 11, 1943. v. 47, p. 672-75)

Description of the development of the Canol Project. Copy seen: CaOG.

ARCTIC PAPERS, see Review of the proceedings of the Arctic searching expeditions 1851 (reprint).

ARCTIC RESEARCH LABORATORY, Point Barrow, Alaska, see Levine, V. E., & C. G. Wilber. Fat metabolism in Alaska Eskimos. 1949.

ARCTIC RESEARCH LABORATORY, Point Barrow, Alaska, see Sullivan, B.

J., & X. J. Musacchia. Glycogen content of various arctic animals. 1949.

ARCTIC RESEARCH LABORATORY, Point Barrow, Alaska, see Wilber, C. G., & X. J. Musacchia. Notes on blood chemistry of various arctic mammals. 1948.

653. ARCTIC REWARDS AND THEIR CLAIMANTS. London, T. Hatchard, 1856. 31 p.

Discussion of information on the fate of the Franklin Expedition, reported by John Rae as a result of contact with Eskimos during his travels in the region south of Boothia Peninsula in 1854; and remarks on Rae's right to the British government's reward.

Copy seen: DLC.

654. ARCTIC SURVEY. (Canadian journal of economics and political science, Feb., May and Aug. 1945, v. 11, p. 48-82, 189-233, 432-66, 578-600, illus. sketch maps, diagrs.)

This preliminary survey of the problems of the social scientist in the North American Arctic was undertaken by the Canadian Social Science Research Council. These six papers were also published later with others as *The new North-West*, edited by C. A. Dawson, 1947, q. v.

Contents: Foreword, by H. A. Innis.

1. WHERRETT, G. J. Survey of health conditions and medical and hospital services in the North West Territories.

2. MOORE, Andrew. Survey of education in the Mackenzie District.

3. TAYLOR, Griffith. A Mackenzie domesday.

4. TAYLOR, Griffith. A Yukon domesday.

5. HEWETSON, H. W. Transportation in the Canadian North.

6. DAWSON, C. A. The new North-West.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DLC.

655. ARCTIC TRAVELS; or, An account of the several land expeditions to determine the geography of the northern part of the American continent. Dublin, Printed by T. I. White, 1830. 188 p. incl. front. 5 plates.

Extracts from narratives of Hearne's, Mackenzie's, and Franklin's land expeditions of the late 18th and early

19th centuries, recast in the form of conversation, for young people's reading.
Copy seen: DLC; NNNStef.

656. ARCTIC VOYAGES; being an account of discoveries in the north polar seas in 1818, 1819 & 1820, with an account of the Esquimaux people. Compiled from the most authentic sources. London, *Pub.* under the direction of the Committee of General Literature and Education, appointed by the Society for Promoting Christian Knowledge, 1848. 2 p. l., 163 p. illus. Also published in Dublin, by R. D. Webb, 1831 (172 p. front., plates).

Extracts from narratives of the Ross voyage of 1818, and Parry's voyages 1819 and 1820, recast in a question-and-answer style for young people.

Copy seen: NNNStef.

657. ARCTOWSKI, HENRYK, 1871-
La congelation de l'eau de mer. (Société Belge d'Astronomie. Bulletin, mai 1909. Année 14, p. 182-95, illus.)
Title tr.: The freezing of sea water.

Based upon the author's observations in antarctic seas, but descriptive of the process of ice formation in general.

Copy seen: DLC.

ARDEN-CLOSE, Sir CHARLES, see Close, Sir Charles Arden-, 1865-

ARDI, IU, see Matseevskii, Iurii Konstantinovich, 1903-

657A. ARENBERG, DAVID LEWIS, 1915-, and **R. W. ELSNER.** The microscopic structure of rime. (American Meteorological Society. Bulletin, June 1942. v. 23, p. 276-80, illus.)

Results of microscopic examination of rime as it formed on various surfaces; a preliminary report on icing processes.

Copy seen: DLC.

658. ARESCHOUG, FREDRIK WILHELM CHRISTIAN, 1830-1908. Om *Rubus idaeus* L., dess affiniteter och ursprungliga hemland. (Botaniska notiser, 1872, no. 6, p. 168-81) **Title tr.:** On *Rubus idaeus* L., its affinities and original homeland.

Contains a taxonomic discussion of this berry bush, its relationship with other species including some native to arctic regions; origin and geographic distribution.

Copy seen: MH-A.

659. ARESCHOUG, JOHAN ERHARD, 1811-1887. Släkten *Fucus* (L.) DeCaisne & Thuret och *Pycnophycus* Kütz

jemte tillhörande arter. (Botaniska notiser, 1868, no. 3, p. 99-115) **Title tr.:** Genera *Fucus* (L.) DeCaisne & Thuret, and *Pycnophycus* Kütz and their species.

Contains a critical revision of marine algae of the genera *Fucus* (eight species, one new sub-species) and *Pycnophycus* (two species) with Latin descriptions, critical notes and data on total distribution; includes some native to Scandinavian, Greenland and Kamchatka coasts.

Copy seen: MH-A.

660. AR'EV, T. IA. Novoe v patologii i klinike otmorozheniia. (Sovetskii vrachebnyi zhurnal, 1939. T. 43, no. 7, p. 392-402) **Title tr.:** New findings in connection with the pathology and clinical concept of frostbite.

Discussion of earlier concepts disproved by contemporary research that (1) organic tissues freeze, and (2) frostbitten extremities are brittle; list and definitions of five biological peculiarities of the action of cold, and complications in frostbite; and notes on first aid and subsequent treatment of frostbite.

English translation was published in E. R. Hope, *Frostbite; translations* [etc.], Ottawa, Defence Research Board, 1950, p. 3-12 (copy in DLC).

Copy seen: DSG.

661. AR'EV, T. IA. O zazhivlenii ran, podvergnutskh deistviu kholodnogo atmosfernogo vozdukh. (Vestnik khirurgii i pograniichnykh oblastei, 1936. T. 46, kn. 125, p. 3-12 and 8 p. of illus.) **Title tr.:** On closing of wounds exposed to the influence of atmospheric cold.

Brief review of the literature on the decrease in regeneration capacity of tissues and wounds, under prolonged exposure to low temperature. The author's conclusions are based on experiments with animals.

Copy seen: DLC; NNN.

662. AR'EV, T. IA. Osnovnye cherty sovremennogo ucheniia ob otmorozhenii. Moskva, Medgiz, 1943. 47 p., illus. **Title tr.:** Fundamentals of present-day knowledge of frostbite.

Brief description of various forms of frostbite, pathological anatomy, clinical picture, symptoms, classification, treatment, and prophylaxis, based on experience from the Soviet-Finnish War and World War II.

Copy seen: NNN.

663. AR'EV, T. IA. Otmorozhenie; patologicheskaiâ anatomiiâ, patologicheskaiâ fiziologiiâ, patogenez, klinika, profilaktika i lechenie. S pred. S. S. Girgolava. Izd. 2, isprav. i dop. Leningrad, Gos. izd-vo med. lit-ry, 1940. 222, [2] p. illus., diagrs. Errata slip inserted. **Title tr.:** Frostbite: pathological anatomy, pathological physiology, pathogenesis, clinical aspects, prophylaxis, and treatment.

Second edition, corrected and enlarged, of a standard textbook by Dr. Ar'ev, pupil and collaborator of Dr. Girgolaev (author of the preface), whose clinic specialized in frostbite.

"Clinical aspects" includes the nomenclature, classification, statistics, localization, diagnosis, complications, prognosis, and a discussion of the factors favoring frostbite. "Treatment" covers first aid, subsequent treatment, surgical treatment, and medicinal treatment. Supplement on cold as curative factor, p. 205-210. Bibliography (about 300 items, mainly non-Russian) p. 210-21. **Copy seen:** NNN.

AR'EV, T. IA., see also Girgolaev, S. S., & T. IA. Ar'ev. Klinika i lechenie ot-morozhenii. 1940.

664. ARGAMAKOVA, V. F. O chetvertichnoi faune Novoi Zemli. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 49, p. 137-41) **Title tr.:** On the Quaternary fauna of Novaya Zemlya.

List with locations and discussion of 141 Quaternary fossils collected on Novaya Zemlya. Summary in English.

Copy seen: DLC.

665. ARGENTOV, ANDREI. Nizhnekolymskii kraï. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1879. T. 15, p. 433-51) **Title tr.:** The Nizhne-Kolymsk region.

Contains a general account of the lower Kolyma region, with some data on Russian and native population, fauna and flora, climate and terrain; scattered references to the culture of the Yukaghirs, Yakuts and Tungus, on dwellings, food and diseases.

Copy seen: DLC.

666. ARGENTOV, ANDREI. Sïevernaiâ Zemliâ. (Vsesoiuznoe geograficheskoe obshchestvo. Zapiski, 1861. Kn. 2 (Izslïedovaniia i materialy), p. 1-34) **Title tr.:** Northern land.

Examination of evidence, some of it resulting from personal observation, indicating the existence of land, north of eastern Siberia, evidence deduced from: (1) non-existence of tides in the Arctic Ocean; (2) behavior of ice; (3) apparent presence of land floes; (4-6) seasonal migrations of whales, birds, deer and other mammals; (7) legends of aborigines; (8) variations in air temperature; and (9) some signs of land. **Copy seen:** DLC.

667. ARISTOV, N. A. Zamëtki ob ètnicheskom sostavie tiürksikh plemen i narodnostei i sviðeniia ob ikh chislennosti. (Zhivaiâ starina, 1896. T. 6, vyp. 3-4, p. 277-456) **Title tr.:** Notes on the ethnic composition of Turkic tribes and nationalities, and data on their number.

Contains data on the ethnic composition, numbers, and native traditions of the Turkic tribes, clan ownerships signs, and their history from Chinese and other sources. Chap. 4 deals with the Turkic tribes of Siberia and Mongolia and gives comparative data and analysis on the number and distribution of the Yakuts, their origin, division into clans, number, etc.

Copy seen: DLC.

668. ARKHANGEL'SK. ARKHANGEL'SKII VODOROSLEVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Vodorosli Belogo moriâ i ikh promyshlennoe ispol'zovanie. Arkhangel'sk, Arkhangel'skoe oblastnoe izd-vo, 1938. 254, [2] p., illus., map, diagrs. (Its: Sbornik, 1) **Title tr.:** Sea weeds of the White Sea and their industrial exploitation.

Contents tr.: ZVEREVA, O. S. On the morphology and biology of *Ahnfeltia plicata* (Huds) Fr. of the White Sea.

VEDRINSKII, A. I. The natural and artificial drying of the White Sea Laminariaceae.

VEDRINSKII, A. I. The chemical composition of the White Sea weeds.

ROZHINA, V. V. The alginic acid of the White Sea Laminariaceae.

VEDRINSKII, A. I. The bases of the complex treating of the White Sea weeds.

SKROZNIKOVA, N. S. Production of mannite weeds by means of extraction through the use of alcohol.

SKROZNIKOVA, N. S. The method of determining the quantity of mannite in algae.

SKROZNIKOVA, N. S. The extraction of iodine out of the sea weeds.

PRIBYTKOVA, I. A. Transparent films made of the alginic acid.

VEDRINSKII, A. I. Glue made of the White Sea Laminariae.

ONOKHIN, I. P., and M. A. LIPINSKII. On the application of the alginic acid from the White Sea Laminariae as a base for plastic masses.

PLESKATSEVICH, U. P. The swelling of the White Sea agar-agar.

ONOKHIN, I. P. The determination of coagulation optimum of agar-agar at different pH values.

PLESKATSEVICH, U. P. Methods of control of the manufacture of agar-agar.

A collection of papers prepared in connection with the work of the Archangel Sea Weed Research Institute. In this Bibliography each paper appears under the name of its author.

Copy seen: DLC.

669. ARKHANGEL'SKAYA, N. A., and others. K fiziologii kholodovogo staza. (Predvaritel'noe soobshchenie). Buĭleten' ěksperimental'noi biologii i meditsiny, 1943. T. 15, vyp. 3, p. 17-19. *Title tr.*: Physiology of stasis due to cold. Other authors: A. V. Drobintseva, I. T. Kurtzin, A. T. Pshonik, and V. N. Chernigovskii.

Discussion, in technical terms, of the explanation for "(1) the presence of spontaneous modifications in the blood current of the control extremity, which had not been exposed to cold and (2) the bright arterial coloration of the venous blood which flows from the extremity subjected to the action of cold," based on experiments carried out on dogs.

Translation in English is available at the Army Medical Library, Washington, D. C.

Copy seen: DSG.

670. ARKHANGEL'SKII, B. F. Izuchenie ionosfery v bukhte Tikhoi. (Problemy Arktiki, 1938, no. 3, p. 121-23) *Title tr.*: Investigations of ionosphere in Tikhaya Bay.

Note on the methods and observations at this station (80°19'N. 52°48'E.) on Hooker Island in Franz Josef Land.

Copy seen: DLC.

671. ARKHANGEL'SKII, B. F. Nabludenii nad ionosferoi v bukhte Tikhoi v 1939 i 1940 godakh. (Problemy Arktiki, 1940, no. 6, p. 97-100, table, diagr.) *Title tr.*: Observations over the ionosphere at Tikhaya Bay, in the years 1939 and 1940.

Mean monthly values of the critical frequencies of the F₂ layer (in megahertz) and their effective heights (in km.) at noon and midnight at Tikhaya (Calm) Bay, Franz Josef Land, during 1938-39, are compared with those of 1939-40. The effects of various atmospheric phenomena on these values are discussed.

Copy seen: DLC.

672. ARKHANGEL'SKII, B. F. Narusheniia normal'nykh islovii v ionosfere v vysokikh shirotakh. (Meteorologiya i gidrologiya, 1937. T. 3, no. 6, p. 66-74, diagrs.) *Title tr.*: Disturbance of the normal conditions in ionosphere in high latitudes.

The lower E layers and the upper F layers of the ionosphere are disturbed largely by solar and magnetic influences according to observations at Tikhaya Bay during the Second International Polar Year, 1932-1933.

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673. ARKHANGEL'SKII, B. F. Narusheniia radiosv'azi v vysokikh shirotakh i mery bor'by s nimi. (Problemy Arktiki, 1940, no. 3, p. 84-91, diagrs.) *Title tr.*: Disturbance of radio communications in high latitudes and measures for its prevention.

Based on observations at Tikhaya Bay in 1937-39.

Copy seen: DLC.

674. ARKHANGEL'SKII, B. F. Rasprostraneniie radiovoln v severnykh shirotakh. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 78, p. 17-20, diagrs.) *Title tr.*: The propagation of radio waves in the Arctic.

Results of observations of several radio stations transmitting on short and long waves; observations made on Franz Josef Land in the Second International Polar Year. Summary in English.

Copy seen: DSI-M.

675. ARKHANGEL'SKII, B. F., and G. N. EGOROV. Izuchenie ionosfery v bukhte Tikhoi. (Problemy Arktiki, 1939, no. 10-11, p. 31-40, illus.) *Title tr.*: Study of the ionosphere at Tikhaya Bay.

Outline of the program of work during the period 1937-39, and some preliminary results concerning the fluctuation of the E and F layer heights are given. *Copy seen:* DLC.

676. ARKHANGEL'SKII, B. F., and N. V. PABO. Rasprostranenie radiovoln v vysokikh shirotakh. Leningrad, Izdvo Glavsevmorputi, 1938, 88 p. tables, diagrs. (Leningrad, Vsesoiuznyi arkticheskii institut. Trudy. T. 124) *Title tr.:* Propagation of radio waves in high latitudes.

Based on data collected at the polar station on Franz Josef Land in the winter of 1932-33 and 1934-35. *Contains* chapters on distribution of surface beams over the ocean, permafrost, and mountain glaciers, ionization in the upper atmospheric layers, distribution of beams in space, disturbance from normal conditions (solar or magnetic activity, auroras and ionospheric disturbance), and atmospheric disturbances. *Copy seen:* DLC.

677. ARKHANGEL'SKII, E. Raboty po issledovaniū ionosfery v bukhte Tikhoi. (Problemy Arktiki, 1939, no. 5, p. 93-94) *Title tr.:* Ionosphere research at Tikhaya Bay.

Daily and special series of observations were conducted at Tikhaya (Calm) Bay, 80°19'N. 52°48'E., Franz Josef Land, to determine the times of maximum and minimum ionization of E, F₁ and F₂ layers and their fluctuation in elevation. Preliminary results of the first year's work, beginning in Feb. 1938, are discussed. *Copy seen:* DLC.

678. ARKHANGEL'SKII, P. Radiosviāz' s polūsom. (Problemy Arktiki, 1937, no. 4, p. 39-43, diagrs.) *Title tr.:* Radio communication with the North Pole.

Short discussion of the peculiarities of radio waves and observations on them planned by the ice-floe drifting station "North Pole."

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679. ARKHANGEL'SKII GUBERN-SKII STATISTICHESKII OTDEL. Statisticheskii sbornik po Arkhangel'skoi gubernii za 1927 god. Arkhangel'sk, 1929. 111, 352 p. tables. *Title tr.:* Collection of statistical data on the Arkhangelsk Government District in 1927.

Contains in pt. 1 (111 p) detailed explanatory notes on subjects represented

in statistics in pt. 2. Pt. 2. Statistical tables on (1) administrative districts and population, p. 3-22; (2) criminal statistics, p. 23-44; (3) education, p. 45-112; (4) public health, p. 113-24; (5) Arkhangelsk (and a few other municipalities) public utilities, housing, etc. p. 125-34; (6) agriculture, p. 135-88; (7) rural statistical survey, p. 189-216; (8) lumber industry, p. 217-24; (9) hunting, fishing, wagon transport, handicrafts, p. 225-40; (10) rural wealth: capital, assets, and expenditures, p. 241-44; (11) industries, including list of industrial organizations, p. 245-54; (12) labor and social security, p. 255-76; (13) trade and cooperatives, p. 277-92; (14) transportation and communication, p. 293-302; (15) food consumption, p. 303-306; (16) insurance, p. 307-314; (17) finance, p. 315-22; (18) census 1926-27, p. 323-50.

Copy seen: DLC.

ARKHANGEL'SKOE OBSHCHESTVO IZUCHENIĖ RUSKOGO SEVERA, see Shidlovskii A. F. Bibliograficheskii ukazatel'. 1911.

680. ARKTICHESKII KALENDAR'. (Sovetskaiā Arktika, 1937, no. 1, p. 110-12, no. 2, p. 110-12, no. 3, p. 111-12, no. 4, p. 110-12, no. 5, p. 118-20, no. 6, p. 111-12, no. 7, p. 110-12, no. 8, p. 142-44, no. 9, p. 102-104, no. 10, p. 103-104, no. 11, p. 143-44, no. 12, p. 110-11) *Title tr.:* The arctic calendar.

Notes on expeditions, flights, winterings, shipwrecks, and other events in arctic exploration, arranged according to months, and covering the 16th-20th centuries.

Copy seen: DLC.

681. ARKTIS; Vierteljahrsschrift der Internationalen Gesellschaft zur Erforschung der Arktis mit Luftfahrzeugen . . . 1.- 4 Jahrg.; 1928-1931. Gotha, J. Perthes [1928-31] 4 v. plates (part fold.) maps (part fold) diagrs. *Title tr.:* Arctic; quarterly publication of the International Society for the Exploration of the Arctic by means of Aircraft. Edited by Fridtjof Nansen, 1928-29; by A. Berson, L. L. Breitfus and W. Bruns, 1930-31.

Contains articles by leaders in arctic research, on a wide range of subjects; with reports and news of the Society's meetings and activities.

File seen: DLC (Jahrg. 3-4); MH; NN; NNS Stef. (Jahrg. 1, Heft 3/4 (p.

1-70 lacking); Jahrg. 2, Heft 1, 3-4; Jahrg. 3-4).

ARMAND, L. E., see Obschestvo Izucheniia Sovetskoi Azii. Yakutskaiia Sektsiia. Samolet nad Yakutiei. 1933.

ARMAUER HANSEN, G., see Hansen, Gerhard Henrik Armauer, 1841-1912.

ARMITAGE, Lt., see Jackson, F. G., & others. Three years' exploration Franz Josef Land. 1898.

682. ARMSTRONG, Sir ALEXANDER, 1818-1899. A personal narrative of the discovery of the Northwest Passage; with numerous incidents of travel and adventure during nearly five years' continuous service in the arctic regions while in search of the expedition under Sir John Franklin. London, Hurst and Blackett, 1857. xxii, [2], 616 p. col. front, fold. map.

Account (in detail) by the surgeon and naturalist of H. M. S. *Investigator*, of her sailing with the *Enterprise*, 1850, via the Pacific to the western Arctic, cruising in Beaufort Sea, penetrating the lower waters of the Canadian Arctic Islands; descriptions of ice conditions, the exploratory sledge trips, animal life, health of the crew, the Eskimos, weather and hunting; the abandonment of the *Investigator*, fast in ice at Mercy Bay, northern end of Banks Island, 1853; rescue of the *Investigator's* party by the *Resolute*, 1854, and trip eastward home. *Appendices*: Monthly mean and extremes of meteorological elements, Jan. 1850-Apr. 1853. List of game shot. Lists of birds and animals met, and plants collected. Description of strengthening of the *Investigator* for service in the ice and of the warming apparatus built in the ship. *Copy seen*: DLC; NNStef.

ARMSTRONG, G. R., see Henry, T. J. G., & G. R. Armstrong. Aerological data N. Canada. 1949.

683. ARMSTRONG, JOHN EDWARD, 1912-. The arctic archipelago. (In: Canada. Geological Survey. Geology and economic minerals of Canada, 1947. 3d ed. Pub. as its: Economic geology series no. 1, p. 311-24, illus., sketch map)

Contains brief petrologic description of (1) Southampton Island, Melville Peninsula, and adjacent islands; (2)

Baffin and Bylot Islands, Devon and Parry Islands; (3) Ellesmere and Sverdrup Islands; (4) Victoria and Banks Islands; and (5) Prince of Wales, Somerset, and King William Islands and Boothia Peninsula.

Copy seen: CaOG; DGS.

684. ARMSTRONG, NEVILL ALEXANDER DRUMMOND. Yukon yesterdays; thirty years of adventure in the Klondike. Personal memories of the famous Klondike gold rush, first-hand accounts of lucky strikes, stories of Dawson in the wild 'nineties, together with adventures in mining, exploring and big game hunting in the unknown sub-Arctic. London, J. Long, Ltd., 1936. 287 p. illus. (map) 31 plates, 2 maps on endpapers.

Copy seen: DLC; NNStef.

685. ÄRNBÄCK-CHRISTIE-LINDE, AUGUSTA. Northern and arctic invertebrates in the collection of the Swedish State Museum. VIII. Tunicata. (1) *Styelidae* and *Polyzoidae*. Stockholm, Almqvist & Wiksell, 1922. 62 p. illus., 3 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 63, no. 2)

List, with descriptions and notes on distribution, of twenty-one (including four new) species, with bibliography, p. 57-58.

Copy seen: DLC.

686. ÄRNBÄCK-CHRISTIE-LINDE, AUGUSTA. Northern and arctic invertebrates in the collection of the Swedish State Museum (Riksmuseum). IX, Tunicata. 3 *Molgulidae* and *Pyuridae*. Stockholm, Almqvist & Wiksell, 1928. 101 p. illus, 5 plates. (Svenska vetenskapsakademien. Handlingar, 3 ser., bd. 4, no. 9)

List of about two hundred species with synonymy, references to literature, notes on distribution (with locations of the Museum's specimens), remarks, etc. Bibliography, p. 94.

Copy seen: DLC.

687. ÄRNBÄCK-CHRISTIE-LINDE, AUGUSTA. Northern and arctic invertebrates in the collection of the Swedish State Museum. (Riksmuseum). XII, Tunicata. 4. *Cionidae*, *Ascididae*, *Agnesiidae*, *Rhodosomatidae*. Stockholm, Almqvist & Wiksell, 1934. 91 p., illus., 6 plates. (Svenska vetenskapsakademien. Handlingar, 3. ser., bd. 13, no. 3)

List, with synonymy, descriptions and notes of occurrence, of thirty-eight species. Bibliography, p. 84-87.

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688. **ÄRNBÄCK - CHRISTIE - LINDE, AUGUSTA.** Notes on *Botrylloides aurea* M. Sars. (Nytt magasin for naturvidenskapene, 1924. Bd. 61, p. 285-93)

Contains synonymy and critical notes on *Botrylloides aurea*, an incrusting tunicate, collected in Oxfjord, off Tromsø, by M. Sars in the summer of 1849, and in Porsangerfjord in 1887; bibliographical footnotes.

Copy seen: MH-Z.

689. **ARNDT, WALTHER, 1891-**. Die Copeognatha des arktischen Gebietes. (In: Fauna arctica, 1931. Bd. 6, p. 59-66) *Title tr.:* Copeognatha [Corrodentia] of the arctic region.

List, with synonyms and distribution, of seventeen species of these small insects from Greenland and the Eurasian continent; with a bibliography (20 items).

Copy seen: DA.

690. **ARNDT, WALTHER, 1891-**. Die Süßwasserschwämme des arktischen Gebietes. (In: Fauna arctica, 1931. Bd. 6, p. 33-40) *Title tr.:* Fresh-water sponges of the arctic region.

Contains a list, with distribution, of the five species recorded from lakes of circumpolar lands, with discussion of their morphology, etc., as an explanation of their rarity as arctic species; bibliography (22 items).

Copy seen: DA.

691. **ARNDT, WALTHER, 1891-**. Die Süßwasserschwammfauna Norwegens. (Nytt magasin for naturvidenskapene, 1931. Bd. 70, p. 299-312, illus. text map) *Title tr.:* Fresh-water sponge fauna of Norway.

Contains critical notes on two species of fresh-water sponges, *Spongilla lacustris* extending to the Troms region (69°39'N.) and *Ephydatia mulleri* occurring in southern Norway; bibliography (11 items). *Copy seen:* MH-Z.

ARNDT, WALTHER, 1891-, see also Fauna arctica. 1900-33.

692. **ARNDT, WALTHER, 1891-**, and J. A. GRIEG. Die Brachiopoden des arktischen Gebietes. (In: Fauna arctica, 1933. Bd. 6, p. 477-88) *Title tr.:* Brachiopoda of the arctic region.

Contains a list (showing depths) of stations of the German Expedition to the Arctic Ocean, 1898, where three species were collected. A list, with synonyms, localities, and depths, of the nine species, reported up to that time, from the waters above the Arctic Circle, and around Greenland. A key, and a bibliography (85 items).

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693. **ARNELL, HAMPUS WILHELM, 1848-1932.** Beiträge zur Moosflora der Spitzbergischen Inselgruppe. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1900. Årg. 57, p. 99-130) *Title tr.:* Contributions to the moss flora of the Spitzbergen archipelago.

List, with synonymy, localities and remarks, of eighty-two species collected on King Charles Land and West Spitzbergen by the Swedish Arctic Expedition, 1898.

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694. **ARNELL, HAMPUS WILHELM, 1848-1932.** *Martinellia tundrae* Arnell, nova species. (Botaniska notiser, 1921. p. 289-91, illus.)

Contains a Latin diagnosis of a new lichen *Martinellia tundrae* n. sp. collected by the author in 1876, near Dudinka (69°35'N.) lower Yenisey River region, with critical note in German.

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695. **ARNELL, HAMPUS WILHELM, 1848-1932.** Die Moose der Vega-Expedition. Stockholm, Almqvist & Wiksell, 1917. 111 p. (Arkiv för botanik, 1918-19, pub. 1917. Bd. 15, no. 5) *Title tr.:* The mosses from the Vega Expedition.

Contains a systematic enumeration of two hundred sixty-seven species of mosses collected by various members of two Nordenskiöld expeditions in 1875-76 (to the Yenisey) and in 1878-80 (in the Vega), on Vaygach Island, Novaya Zemlya, on the northern coast of Siberia from Taymyr Peninsula to the Bering Sea, in Alaska and St. Lawrence Island; includes descriptions of many new species, with synonymy, critical notes and data on distribution.

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696. **ARNELL, HAMPUS WILHELM, 1848-1932.** Moss studier 1-23. (Botaniska notiser, 1894, p. 49-63; (10-11) 1896, p. 97-110; (2) 1897, p. 67-68; (13-19) 1898, p. 49-62; (20-23) 1899, p. 73-79) *Title tr.:* Moss studies 1-23.

Contains studies of noteworthy moss species, mostly Scandinavian, with Latin descriptions of a few species and forms, critical notes and data on distribution; includes (in no. 12) *Bryum curvatum* n. sp. native to Nordreisen, Tromsø, Norway (in no. 10), *B. elegans v. norvegicum* n. var. from Tromsø, and some others native to northern Scandinavia and Siberia.

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697. ARNELL, HAMPUS WILHELM, 1848-1932. Om de skandinaviske *Thyridia tamariscina*. (Botaniska notiser, 1890, p. 73-80) *Title tr.*: On Scandinavian *Thyridia tamariscina*.

Contains a taxonomic study of complicated identity of a moss, *Thyridia tamariscina*, and critical notes on three related species, *T. tamariscifolium*, *T. delicatulum* and *T. recognitum*, all native to Scandinavia, two latter species also found in Yenisey River valley (56-69°N.) in Siberia.

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698. ARNELL, HAMPUS WILHELM, 1848-1932. Om några *Jungermania ventricosa* Dicks. närliggande lefvermosarter. (Botaniska notiser, 1890, p. 97-104) *Title tr.*: On some liverworts closely related to *Jungermania ventricosa* Dicks.

Contains critical notes and data on Scandinavian and total distribution of five species of liverworts of the genus *Jungermania*, closely related to *Jungermania ventricosa*, including some native to Swedish Lapland, northern Norway, Greenland, West Spitsbergen, lower Yenisey River region (56-69°N.) of Siberia, and Kola Peninsula.

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699. ARNELL, HAMPUS WILHELM, 1848-1932. Die schwedischen *Jungermania*-Arten. Pflanzen-geographische Skizzen. Stockholm, Almqvist & Wiksell, 1925. 99 p. (Arkiv för botanik, Bd. 19, no. 10) *Title tr.*: Swedish species of *Jungermania*. Geobotanical sketches.

Contains a systematic enumeration of forty-one species of *Jungermania* with synonymy, critical notes, Latin diagnosis of one new variety and detailed data on geographical distribution in Sweden; includes some arctic species of this liverwort.

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700. ARNELL, HAMPUS WILHELM, 1848-1932. Spridda vaxtgeografiska bidrag. (Botaniska notiser, 1876, no. 1, p. 8-15) *Title tr.*: Occasional geobotanical contributions.

Contains a list with localities of about one hundred twenty-five mosses, including some native to Swedish Lapland, and Nordland, Norway.

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701. ARNELL, HAMPUS WILHELM, 1848-1932. Ueber die *Jungermania barbata*-Gruppe. (Botaniska notiser, 1906, p. 145-57) *Title tr.*: On the *Jungermania barbata* group.

Contains data on geographic distribution in Sweden of liverworts (Hepaticae) belonging to the group *Jungermania barbata*, including *J. Baueriana*, *J. polita*, *J. Kunzeana* and *J. obtusa* occurring in Swedish Lapland.

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702. ARNELL, HAMPUS WILHELM, 1848-1932. Zur Mossflora des Lena-Tales. Bericht über die im Jahre 1898 von Herrn Doktor H. Nilsson-Ehle an der Lena gesammelten Moose. Uppsala & Stockholm. Almqvist & Wiksell, 1913. 94 p. 3 plates. (Arkiv för botanik, 1913-1914, pub. 1913. Bd. 13, no. 2) *Title tr.*: On moss flora of the Lena River valley. A communication on the mosses collected by Dr. H. Nilsson-Ehle in the Lena region in 1898.

Contains a systematic enumeration of two hundred thirty-three species of mosses and liverworts with description of many new forms, collected by H. Nilsson-Ehle in the valley of the Lena River (from 51°N. to 72°N.) and supplemented by the results of the author's own exploration of the moss flora of the Yenisey River basin in 1876 during Nordenskiöld's expedition of 1875-76.

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703. ARNELL, HAMPUS WILHELM, 1848-1932, and HANS BUCH. *Martinellia scandica* nov. spec. (Botaniska notiser, 1921, p. 1-2)

Contains a Latin diagnosis of *Martinellia scandica* n. sp., a lichen native to Lule Lappmark, northern Sweden.

Copy seen: MH-A.

ARNELL, HAMPUS WILHELM, 1848-1932, see also Lindberg, S. O., & others. Musci Asiae borealis. 1889-1909.

ARNELL, HAMPUS WILHELM, 1848-1932, see also Sanio, C. Beschreibung d. Harpidien. 1885.

704. ARNELL, P. B. The wreck of the bark "Alaska". (Alaska life, Feb. 1948. v. 11, no. 2, p. 9)

Account of salvaging wreckage and cargo from a wrecked whaler in June 1900, by inhabitants of Nome.

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705. ARNELL, SIGFRID WILHELM, 1895-. Bidrag till kännedomen om levermossfloran i Norrbotten och Torne Lappmark. (Botaniska notiser, 1941, häfte 2, p. 226-30) *Title tr.*: Contributions to the knowledge of liverwort flora of Norrbotten and Torne Lappmark.

Contains a list of one hundred forty liverworts collected in 1938 and 1939 by the author and H. Smith in the coastal region of Norrbotten and Torne Lappmark, with data on local distribution.

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706. ARNELL, SIGFRID WILHELM, 1895-. Contributions to the knowledge of the hepatics of Novaya Zemlya. (Svensk botanik tidskrift, 1947. Bd. 41, häfte 2, p. 209-17, illus.)

Contains a list of fifty-six hepatics collected by Otto Ekstam in Novaya Zemlya and Vaygach Island in 1901 and 1902; includes Latin diagnoses of *Scapania zemliae* n. sp. and three new varieties.

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707. ARNESEN, M. E. Från Gyda-viken till Obdorsk. (Ymer, 1882. Årg. 2, p. 135-45) *Title tr.*: From Gydan Bay to Obdorsk.

Account (by the skipper of the schooner *Nordland*, which accompanied the *Oscar Dickson* on its voyage to the Yenisey estuary in 1880) of the rescue and homeward trip overland via Obdorsk (Salekhard) of the last members of the shipwrecked party from the *Oscar Dickson*; also description of customs and manners of Samoyeds.

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708. ARNESEN, ODD, 1897-1946. En helt. Polar-årboken, 1938, p. 42-48, illus.) *Title tr.*: A hero.

Speech in tribute to Oscar Wisting, Amundsen's companion on trips to North and South Poles.

Copy seen: NN.

709. ARNESEN, ODD, 1897-1946. Nansen som kunstner. (Polar-årboken, 1940, p. 3-10, illus.) *Title tr.*: Nansen as an artist.

Discusses his gifts for drawing and painting of water colors, chiefly of arctic scenes and animals.

Copy seen: NNM.

710. ARNESEN, ODD, 1897-1946. De norske flyvninger i Eirik Raudes land sommeren 1932 og påvisningen av flyveplassene der. (Norsk geografisk tidskrift, 1932-33, pub. 1933. Bd. 4, p. 362-66, illus.) *Title tr.*: The Norwegian flights in Eric the Red Land during the summer of 1932 and the locating of landing fields there.

Account (by journalist participant) of aerial mapping flights in the *Quarritsiluni* on the Norwegian Expedition to East Greenland, 1932, and of reconnaissance for landing fields in a sports plane.

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711. ARNESEN, ODD, 1897-1946. På besøk hos russerne på Svalbard. (Polar-årboken, 1939, p. 96-102, illus.) *Title tr.*: A visit with the Russians in Svalbard.

Notes accommodations and hospitality at Barentsburg and Grumant coal mines.

Copy seen: NN.

712. ARNESEN, ODD, 1897-1946. The polar adventure; the "Italia" tragedy seen at close quarters. London, V. Gollancz, Ltd., 1929. 158 p. 24 plates.

Translation from the Norwegian, of his "Italia"-tragedien på nært hold, 1928 (see no. 720 below).

Copy seen: DLC.

713. ARNESEN, ODD, 1897-1946. Roald Amundsen som han var. Oslo, Gyldendal, Norsk forlag, 1929. 205, [1] p., 1 l. plates, ports. *Title tr.*: Roald Amundsen as he was.

Contains an account of the childhood and early youth of Roald Engelbregt Gravning Amundsen (1872-1928); his medical studies; preparations for his life work as an explorer; his achievements, from the exploration of the Northwest Passage, 1903-07 (*Gjøa* expedition) and the South Pole, 1911, to his death during the search for Noble in 1928. Emphasizes and gives an insight into the character and humanity of the Norwegian explorer.

Copy seen: NN.

714. ARNESEN, ODD, 1897-1946. Roald Amundsens insats som etnograf. När får vi verket om de rike "Gjøa"-samlinge? (Polar-årboken, 1942, p. 91-98, illus.) *Title tr.*: Roald Amundsen's

contribution as an ethnographer. When will the work about the extensive *Gjøa* collection be issued?

Notes Amundsen's contribution to polar exploration as a scientist; his research in terrestrial magnetism, ethnography, etc.; his important collection of ethnographic material from his two-year stay on King William Island on the *Gjøa* expedition, from the Bering Strait region during the *Maud* expedition, and from northwestern Canada and Alaska.

Copy seen: NNM.

715. ARNESEN, ODD, 1897-1946. Russerne erobrer Arktis fra luften. Den første drivende videnskapelige ekspedisjon. (Polar-årboken, 1937, p. 69-75, illus., double map.) *Title tr.:* The Russians conquer the Arctic from the air. The first drifting scientific expedition.

Notes Prof. Otto Schmidt's scientific expedition, flown to the vicinity of the North Pole in 1937; oceanographic, meteorological and other investigations from its station on the drifting ice floe. Remarks on the Russian flying expedition (Gromov) from Moscow to California across the North Pole, in record time, July 1937.

Copy seen: NN.

716. ARNESEN, ODD, 1897-1946. Den siste av den gamle garde. Polar-årboken, 1933, p. 95-104, illus.) *Title tr.:* The last of the old guard.

Story of Johan Bjørvig and his friend Bernt Berntsen; death of Berntsen at Cape Heller on Franz Josef Land, where the two wintered, 1898-99; Bjørvig's participation in two of Walter Wellman's expeditions in search of the North Pole. Includes a proposal for the erection of a monument to Bjørvig in his native town, Tromsø, Norway, as a reminder of his heroic deeds and privations.

Copy seen: NN.

717. ARNESEN, ODD, 1897-1946. Storm over Grønland; han som erobret Erik Raudes land fra luften. (Polar-årboken, 1941, p. 20-29, illus.) *Title tr.:* Storm over Greenland; the man who conquered Eric the Red Land from the air.

Biographical notes on Erik Storm, who did aerial mapping on the Norwegian expedition to northeast Greenland in 1932, and died in a plane crash, 1936.

Copy seen: DLC.

718. ARNESEN, ODD, 1897-1946. Svalbard erobres fra luften. (Polar-

årboken, 1936, p. 81-83, illus.) *Title tr.:* Svalbard is conquered from the air.

Notes on preliminary photographing of Svalbard in the summer of 1936 from the air with the aid of the Norwegian flying corps.

Copy seen: NN.

719. ARNESEN, ODD, 1897-1946. Vi flyver over Erik Raudes land. Oslo, Nasjonalforlaget a/s, 1932. 162 p. illus. map. 23½ x 18½ cm. *Title tr.:* We fly over Eric the Red Land.

Popular account of the expedition in the *Polarbjørn* in 1932, peacefully to occupy East Greenland for Norway; stopover at Jan Mayen; personnel of the expedition; the author's aerial flights over, photography and mapping of Erik Raudes Land (approx. 72°-75°N., 18°-27°W.); conjecture on the duration of the ancient Eskimo settlements in this region. Discussion of the personality and achievements of two leading scientists and other champions of their respective country's claims to sovereignty in East Greenland, including Helge Ingstad, Erik Storm, H. O. Devold, Lauge Koch and Adolf Hoel; data on Balås flying field (73°30'N.), also other fields and landing places; vegetation and wildlife, etc. With foreword by W. Werenskiöld.

Copy seen: DLC; NN.

720. ARNESEN, ODD, 1897-1946, and EJNAR LUNDBORG. "Italia"-tragedien på naert hold [av] Odd Arnesen; og "Den hvite bjørns flak" [av] Ejnar Lundborg. Oslo, Gyldendal, Norsk forlag, 1928. 200 p. illus. (incl. facsim.) 32 plates, fold, map. *Title tr.:* The *Italia* tragedy seen at close quarters, by Odd Arnesen; and "The White Bear Floe", by Ejnar Lundborg.

Translation in English of Arnesen's part (only) was published as *The polar adventure* (etc.), 1929.

Contains (by O. Arnesen) a journalist's account of the events in West Spitsbergen in 1928 before the *Italia*'s flights, and after its catastrophe, with information on the fourteen vessels and twenty-two aircraft (of several nations) engaged in the search for Nobile and Amundsen.

"The White Bear Floe" is an account, by E. Lundborg (the flyer who rescued Nobile) of his two flights to the floe upon which the Nobile party was

stranded, and of his days there after the crash of his plane.

Copy seen: DLC.

721. ARNOLD, C. B. They come—they learn. (Alaska life, Sept. 1938. v. 1, no. 8, p. 6-7, 20-22, illus.)

Description of the Douglas Native School, operated by the U. S. Office of Indian Affairs, and its experimental work with Southeast Alaskan Indians.

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722. ARNOLD, C. B. When air mail came to Alaska. (Alaska life, July 1938. v. 1, no. 6, p. 8-9, illus.)

Brief notice of inauguration of official air mail service between Juneau, Whitehorse, and Fairbanks, May 3, 1948.

Copy seen: DLC.

ARNOLD, G. F., See Pedashenko, D. D. Otchet o sostoiânii Solovetskoi biol. stantsii 1897. 1897.

723. ARNOLD, LEE W. Observations on populations of North Pacific pelagic birds. (Auk, Oct. 1948. v. 65, p. 553-58, sketch map, table)

Results of a systematized random sample census, June 8-Sept. 16, 1944, taken between Cape Spencer (Southeast Alaska, 58°12'N. 136°39'W.) and the western end of the Aleutian Islands, mainly in the oceanic section of the Aleutian Island National Game Refuge. Includes a note on the apparent indifference of birds to radar and other high-frequency radio waves.

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724. ARNOLD, RUPERT S. Colonization raises its head again. (Alaska life, May 1941. v. 4, no. 5, p. 4, 20)

Comments in opposition to legislation then before Congress, to open Alaska to immigration from Europe.

Copy seen: DLC.

725. ARNOLD, RUPERT S. Hellzapoppin again in Matanuska, the trouble of planters' paradise. (Alaska life, Mar. 1941. v. 4, no. 3, p. 4, 21-23, illus.)

Discussion and brief review of problems of administration, financing and land ownership in the Matanuska valley since 1935.

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726. ARNOLD, RUPERT S. Let's go to Alaska for our tin. (Alaska life, Apr. 1941, v. 4, no. 4, p. 8-9, 23, sketch map)

Remarks on the need (1) for subsidy to keep the price of tin in line with

costs of production; (2) for a domestic market and smelter, and (3) for a thorough exploitation of Alaskan tin resources now partially lost as "tailings" in gold mining; with notes on tin localities on Seward Peninsula.

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727. ARNOLD-ALĬAB'EV, V. I. Moshchnost', stroenie i polostnost' l'da Karskogo moriâ po dannym èkspeditsii na l/p "Malygin" v 1934 godu. (Leninograd. Vsesoiûznyĭ arkticheskiĭ institut. Trudy, 1938. T. 110, p. 57-81, illus., fold. tables, fold. diagrs.) *Title tr.:* The thickness of the Kara Sea ice, its structure and cavities, according to the data of the expedition on board the ice-steamer "Malygin" in 1934.

Ice profiles of Kara Sea ice are compared with those of Barents Sea and Gulf of Finland; ice cavities within sea ice are discussed.

Summary in English.

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728. ARNOLD-ALĬAB'EV, V. I. O primenenii vodoboia (gidromonitora) v bor'be so l'dom. (Severnyi morskoi put', 1937, no. 6, p. 98-109, illus., diagr.) *Title tr.:* Destruction of ice by a high-pressure stream of water (hydromonitor).

A discussion of the possibilities of using hydraulic streams as a supplementary means in overcoming ice barriers, their use on ice-breakers and a description of preliminary experimental work in this field.

Copy seen: DLC.

729. ARNOLD-ALĬAB'EV, V. I. O prochnosti l'da Barentsova i Karskogo morei. (Problemy Arktiki, 1939, no. 6, p. 21-30, illus., tables, diagr.) *Title tr.:* On the strength of ice of the Barents and Kara Seas.

Methods used and results obtained by the author in investigations of and during the Scientific Marine Institute expedition on the *Persei* to the region east of Spitsbergen in 1929 and 1930, on the *Krasin* to the Pechora Sea in 1932, and on the *Malygin* to the Kara Sea in 1934. Bibliography (14 items).

Copy seen: DLC.

730. ARNOLD-ALĬAB'EV, V. I. Ob izmerenii tolshechiny l'da s borta sudna na khodu. (Meteorologiya gidrologiia, 1938. T. 4, no. 11-12, p. 149-53, illus.) *Title tr.:* Measurement of ice thickness from aboard a ship in motion.

The reliability of ice thickness measurements is dependent on several factors. Its measurement is complicated by uneven ice cover, the presence of a snow cover, the visibility angle of the observer and other considerations. A method of measurement is described and evaluated. *Copy seen:* DLC.

731. ARNOL'D-ALIAB'EV, V. I. Ob izmerenii torosov. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1936, no. 1, p. 93-97, illus.) *Title tr.:* On measuring of ice hummocks.

Discussion of methods used in measuring polar ice-blocks and of the difficulties in achieving exact results.

Copy seen: DLC.

ARNOTT, GEORGE ARNOTT WALKER, 1799-1868, *see* Hooker, Sir W. J., & G. A. W. Arnott. Botany of Capt. Beechey's voyage to the Pacific. 1841.

732. ARO, J. E. Ueber *Hadena mailardi* var. *Kuusamoënsis* Stand. (Societas pro fauna et flora fennica. Meddelanden 1900-1901, pub. 1901. Häfte 27, p. 46-49)

Contains description of a new variety of night butterflies, *Hadena mailardi* var. *Kuusamoënsis*, collected by the author in the Kuusamo (65°58'N. 29°5'E.) region of northeastern Finland.

Copy seen: MH-A.

733. ARØE, JACOB. Arkæologisk-topografisk beskrivelse af Tasermiutfjorden i Sydgrønland. (Geografisk tidsskrift, 1917-18. Kjøbenhavn, 1918. Bd. 24, p. 75-80, sketch map) *Title tr.:* Archeological-topographical description of the Tasermiut Fiord in south Greenland.

Narrative, with explanatory remarks by H. Ostermann, of investigations of Norse ruins in the Julianehaab District, sponsored by the Danish Archeological Society, and made in 1832-33, by Arge who was an official of the Greenland Trade, 1819-39. Includes the concluding chapter of the author's diary (found in the archives in Godthaab), which summarizes his journey of 1832 and 1833, to Tasermiut Fiord in the Julianehaab District, describes the region and ruins found there.

A condensed report on the author's work appeared (in *Antikvariske efterretninger*) in *Nordisk tidsskrift* for old

Kyndighed, 1833, bd. 2, p. 314-18; and 1836, bd. 3, p. 214-21.

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ARON, Greenlandic artist, *see* Kaladlit assilialiait. 1860.

ARON, Greenlandic artist, *see* Knuth, E. Grønlandske billeder. 1948.

734. ARONSON, JOSEPH DAVID, 1889-. The history of disease among the natives of Alaska. (College of Physicians of Philadelphia. Transactions and studies, Apr. 1940. Ser. 4, v. 8, p. 27-34)

Historical sketch (based mainly on narratives of early voyagers) of occurrences of dietary deficiency, smallpox, syphilis, and tuberculosis, especially as noted among the Aleuts, South Alaska Eskimos, and Tlingits.

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735. ARRHENIUS, AXEL. Om *Stellaria hebecalyx* Fenzl och *St. ponojensis* A.Arrh. n. sp. (Societas pro fauna et flora fennica. Meddelanden, 1888-1891, pub. 1891. Häfte 16, p. 192-98) *Title tr.:* On *Stellaria hebecalyx* Fenzl and *St. ponojensis* A. Arrh. n.sp.

Contains critical notes on a species of herbs, *Stellaria hebecalyx*, native to Kola Peninsula and the Arkhangelsk region, also Latin diagnosis of *S. ponojensis* n.sp. collected on Cape Orlov (northwest of Ponoy River mouth), Kola Peninsula in 1863.

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ARRHENIUS, AXEL, *see also* Montell, J. E. *Salix*-hybrider från Muonio och Enontekis. 1914.

736. ARSEN'EV, V. A. Morskoi promysel mlekopitaushchikh v Chukotskom i Vostochno-Sibirskom moriakh. (Sovetskii Sever, 1935, no. 3-4, p. 106-112) *Title tr.:* Sealing in the Chukchi and East Siberian Seas.

Results of the author's investigations along the coasts, 1931-32, with data on geographical distribution of various species of pinnipeds and whales, technique of sealing, and utilization of the sealing products. *Copy seen:* DLC.

737. ARSEN'EV, V. A. Pitaniye polosatogo tul'iana. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia, 1940. T. 20, p. 121-27) *Title tr.:* The feeding of the striped seal (*Histiophoca fasciata* Zimm).

Results of analyses of stomach contents of one hundred fifty-three seals taken in Okhotsk Sea, in 1939. Bibliography (9 items).

Copy seen: DLC.

738. ARSEN'EV, V. A. Raspredelenie i migratsii belukhi na Dal'nem Vostoke. Vladivostok, 1939. 108 [4] p. illus., maps (1 fold.) tables, diagrs. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozai'stva i okeanografii. Izvestiia, T. 15) *Title tr.:* Distribution and migration of the white whale in Far East.

Results of the author's study of the distribution of the white whale in regions including Okhotsk, Bering, and Chukchi Seas; its migrations, food, and some discussion of numbers, sex and age compositions of the herds. Bibliography (130 items). Summary in English.

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739. ARTEM'EV, B. N. Geologicheskoe stroenie i poleznye iskopaemye Chukotsko-Anadyr'skogo kraia. (In: U.S.-S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st. Moskva, 1935. Geologhiia i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2, Poleznye iskopaemye, p. 268-99, fold. map, tables) *Title tr.:* Geological structure and mineral resources of the Chukotsk-Anadyr district.

Detailed report on the orography, stratigraphy, and mineral resources of the region; data on metallic and non-metallic minerals, and coal deposits in the various sections.

Copy seen: DLC.

740. ARTEM'EV, B. N. Problemy olovonosnosti Sovetskoi Arktiki. (Sovetskaiia Arktika, 1935, no. 2, p. 59-62). *Title tr.:* The problem of tin deposits in the Soviet Arctic.

Geological conditions which indicate possible occurrence of tin; regional description of the Soviet Arctic from the viewpoint of potential tin deposits.

Copy seen: DLC.

741. ARWIDSSON, THORSTEN, 1904- . Bemerkungen über die Androgynie in der *Carex dioeca* Gruppe. (Svensk botanisk tidskrift, 1928. Bd. 22, häfte 1-2, p. 106-114, illus.) *Title tr.:* Notes on the androgynous species of *Carex dioeca* group.

Contains a study of androgynous species of *Carex dioeca* group, having male and female flowers on the same inflorescence; based on material from Torne and Lule Lappmark; bibliography (28 items).

Copy seen: MH-A.

742. ARWIDSSON, THORSTEN, 1904- . Bizentrische Arten in Skandinavien — eine terminologische Erörterung. (Botaniska notiser, 1928, häfte 1, p. 49-53) *Title tr.:* Bicentric species in Scandinavia — a terminological explanation.

Contains a general discussion of the meaning and extent of the term "bicentric plant," with a list of such Scandinavian species and occasional notes on their distribution in arctic regions of Scandinavia. *Copy seen:* MH-A.

743. ARWIDSSON, THORSTEN, 1904- . Hieraciologische Kleinigkeiten. (Botaniska notiser, 1929, häfte, 2, p. 130-34) *Title tr.:* A trifle on *Hieracium*.

Contains some critical notes, additions to descriptions, new localities, etc., for twelve species (including four native to the Varanger Fiord region) of the herbaceous genus *Hieracium*, taken from the scattered notes left by the late Prof. M. Elfstrand.

Copy seen: MH-A.

744. ARWIDSSON, THORSTEN, 1904- . Hieraciologiska bidrag. (Botaniska notiser, 1928, häfte 3, p. 192-202, illus.) *Title tr.:* Contributions to *Hieracium* flora.

Contains a list, with localities of fifty-one species of the herbaceous genus *Hieracium*, including Latin diagnoses of three new species (none arctic) and some native to Swedish Lapland.

Copy seen: MH-A.

745. ARWIDSSON, THORSTEN, 1904- . The higher marine algae hitherto known from Kamchatka. (Revue algologique, 1932. T. 6, p. 147-58)

Contains a critical examination of the literature related to the algal flora of Kamchatka, a list of thirty-eight algae collected by the botanist of the Swedish Kamchatka Expedition 1920-22, Eric Hultén; and a bibliography.

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746. ARWIDSSON, THORSTEN, 1904- . Mykologiske Bidrag. (Botaniska notiser, 1936, häfte 5, p. 463-80) *Title tr.:* Mycological contributions.

Contains critical notes on twelve species of smuts (Ustilaginales) and three of rusts (Pucciniales), some new to the mycological flora of Sweden, with data on their host plants and geographic distribution; includes five native to arctic Scandinavia, and *Sphaerulina arctica* known from arctic Europe, Asia and North America; bibliography (22 items).
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747. ARWIDSSON, THORSTEN, 1904-
. Mykologiske Beiträge. (Botaniska notiser, 1940, häfte 4, p. 370-88) **Title tr.:** Mycological contributions.

Contains a list of six parasitic fungi from Novaya Zemlya collected by O. Ekstam in 1891 and 1901, and critical notes on *Pucciniastrum alaskanum* from Kamchatka Peninsula and *Bovistia echinella* found in Pite Lappmark, northern Sweden; bibliography (36 items).
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748. ARWIDSSON, THORSTEN, 1904-
. Några synpunkter på *Epipogium*-problemet. (Botaniska notiser, 1929, häfte 3, p. 153-68) **Title tr.:** Some essential points in the *Epipogium* problem.

Contains data on geographic distribution in Sweden of *Epipogium aphyllum*, first described by E. Fries in 1816, with a list of localities, including some in Norrbotten and Swedish Lapland, and a table of distribution of about one hundred plants commonly found with that terrestrial orchid in six geobotanical regions, including Torne Lappmark; bibliography (40 items).
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749. ARWIDSSON, THORSTEN, 1904-
. Norrländska gasteromycetlokaler. (Botaniska notiser, 1936, häfte 6, p. 532-38) **Title tr.:** Localities of Gasteromycetes in Norrland.

Contains data on geographic distribution of eight gasteromycetes in Norrland, mostly from Pite and Lule Lappmark in northern Sweden, with some critical notes on these fungi.
Copy seen: MH-A.

750. ARWIDSSON, THORSTEN, 1904-
. Notizen über Arten der Gattungen *Draba*, *Erophila* und *Hutchinsia*. (Botaniska notiser, 1929, häfte 3, p. 169-74) **Title tr.:** Notes on species of the genera *Draba*, *Erophila* and *Hutchinsia*.

Contains a study of undeveloped dissepiment in the fruits of four species of *Draba* (whitlow grass) and one of the herb *Hutchinsia*, based on herbarium material, including some specimens from arctic Norway, with inconclusive results. See also Ekman, E., *The dissepiment in the genus Draba*, 1928.

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751. ARWIDSSON, THORSTEN, 1904-
. Om *Hieracium kjellandii* Folin n. sp. (Botaniska notiser, 1937, häfte 3, p. 370-74) **Title tr.:** On *Hieracium kjellandii* Folin n. sp.

Contains a Latin diagnosis of *Hieracium kjellandii* n. sp., native to Pite Lappmark, Sweden, and critical notes on related species of this herb.

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752. ARWIDSSON, THORSTEN, 1904-
. *Riccia Beyrichiana* funnen i Åsele lappmark. (Botaniska notiser, 1932, häfte 5, p. 373-80, text map) **Title tr.:** *Riccia Beyrichiana* found in Åsele Lappmark.

Contains critical notes on *Riccia Beyrichiana*, a liverwort found in 1931 by the author in Henriksfjäll, Åsele Lappmark, and known previously from southern Sweden and the Troms region of northern Norway. Includes study of its areal and geobotanical analysis of forty-four mosses found in the same region. **Copy seen:** MH-A.

753. ARWIDSSON, THORSTEN, 1904-
. Studier över sjöarnas vegetation i Lilla Lule älvs vattenområde. Stockholm, Almqvist & Wiksell, 1926. 31 p. 3 text maps (Arkiv för botanik, 1926. Bd. 20 A, no. 14) **Title tr.:** Study of the aquatic vegetation of the Lilla Lule lake region.

Contains a study of the aquatic vegetation of six lakes in the Lilla Lule lake region in Lule Lappmark, with data on edaphic, climatic and geographical factors, and statistical data on plant distribution for each lake area.

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754. ARWIDSSON, THORSTEN, 1904-
. Über einige auf der Gattung *Empetrum* vorkommende Pilze. (Svensk botanisk tidskrift, 1936. Bd. 36, häfte 3, p. 401-418) **Title tr.:** On some fungi affecting the genus *Empetrum*.

Contains some critical notes and data on distribution of three parasitic fungi, affecting plants of the genus *Empe-*

trum: Chrysomyxa empetri, Duplicaria empetri and Sphaeropezia empetri; with a detailed list of localities, p. 409-416, including arctic regions of Scandinavia, U.S.S.R., Greenland, West Spitsbergen, Alaska, etc.; bibliography (45 items).
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755. ARWIDSSON, THORSTEN, 1904-
. Über einige von O. Ekstam auf Waigatsch gesammelte Gefäßpflanzen. (Botaniska notiser, 1933, häfte 4-6, p. 473-78) *Title tr.:* On some vascular plants collected by O. Ekstam on Vaygach Island.

Contains brief data on the collections made by O. Ekstam in Novaya Zemlya (1901 and 1905) and Vaygach Island (1902 and 1907), and a list of forty-two vascular plants from Vaygach with localities and occasional notes. Includes seven species new to this island.
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756. ARWIDSSON, THORSTEN, 1904-
. Västgeografiska notiser från Norrland. I-IV. (Botaniska notiser, 1927, häfte 1, p. 337-51, illus.; (II) 1929, häfte 5-6, p. 305-310; (III-IV) 1931, häfte 5, p. 355-74, text map) *Title tr.:* Geobotanical notes from Norrland. I-IV.

Contains a list of about four hundred flowering plants and vascular cryptogams from this district of northern Norway; bibliographies (65 items).
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757. ARWIDSSON, THORSTEN, 1904-
, and P. J. LUND. Bidrag till kännedomen om Skandinavians mossflora. 2. Mossor från Åsele Lappmark. (Botaniska notiser, 1936, häfte 1-2, p. 101-115) *Title tr.:* Contributions to the knowledge of Scandinavian moss flora. 2. Mosses from the Åsele Lappmark.

Contains a list of about fifty liverworts (Hepaticae) and one hundred twenty mosses collected from Åsele Lappmark by the authors in 1931, with localities and data on habitat.
Copy seen: MH-A.

758. ARWIDSSON, THORSTEN, 1904-
, and P. J. LUND. Bidrag till kännedomen om Skandinavians mossflora. 4. Mosslokaler från Pite Lappmark. (Botaniska notiser 1937, häfte 5, p. 375-85) *Title tr.:* Contributions to the knowledge of Scandinavian moss flora. 4. Localities of mosses in Pite Lappmark.

Contains data on distribution of mosses and liverworts in Pite Lappmark, northern Sweden, including a list of about one hundred species, based on the literature material and Arwidsson's collections made in 1925, 1932-35.

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ARWIDSSON, THORSTEN, 1904-
see also Ekman, E. Notes on Draba. 1941.

ASATKIN, A. N., *see* Bibliografiã Dal'nevostochnogo kraia, 1890-1931. 1935.

759. ASHBROOK, FRANK GETZ, 1892-
, and E. P. WALKER. Blue-fox farming in Alaska. Washington, D. C. [U. S. Govt. Print. Off.] 1925. 33 p. illus. (U. S. Dept. of Agriculture. Bulletin no. 1350)

Contains a brief sketch of the history of fox farming, details of the areas (from the Alexander Archipelago to the Aleutians) of fox growing; also information on selecting a site, organizing a ranch, and essentials of breeding, feeding and pelting. *Copy seen:* DA.

760. ASHE, E. D. The late eclipse.—Journal of a voyage from New York to Labrador. (Literary and Historical Society of Quebec. Transactions, 1861. v. 4, appendix, p. 1-16)

An account, by the director of the observatory at Quebec, who accompanied the ship *Bibb* of the U. S. Coast Survey, June 28-Aug. 3, 1860, to observe the total eclipse on July 18th.

Copy seen: CaO.

ASHE, E. D., *see also* Alexander, S., & others. Report to the Supt. of U. S. Coast Survey on exped. to Labrador to observe the total eclipse, 1860. 1861.

ASHMEAD, SAMUEL, *see* Durand, E., & others. Enumeration of arctic plants collected by Dr. Hayes, 1861. 1864.

761. ASHMEAD, WILLIAM HARRIS, 1855-1908. The Homoptera of Alaska. (In his, and others: Insects, part I. Harriman Alaska series, 1904. v. 8, p. 127-37)

List, with synonymy and localities, of twenty-four (including, with descriptions, seven new) species, which represented the (then) known occurrences in Alaska. *Copy seen:* DLC.

762. ASHMEAD, WILLIAM HARRIS, 1855-1908. Hymenoptera. Papers from

the Harriman Alaska Expedition. XXVIII. (Washington Academy of Sciences. Proceedings, May 1902. v. 4, p. 117-274, 3 plates). Reprinted in 1904 in Ashmead, W. H., and others. Insects, part II. Harriman Alaska series, v. 9, p. 119-274.

Based on the expedition's collection and on other Alaskan species in the U. S. National Museum. List, with synonymy, localities and distribution, of three hundred thirty-three (including, with descriptions, two hundred one new) species of a group, including among others, the ants, wasps and bees.

Copy seen: DLC.

ASHMEAD, WILLIAM HARRIS, 1855-1908, and others. Insects, part I-II. 1904, see Harriman Alaska Expedition, 1899. Harriman Alaska series, v. 8-9.

ASHTON, ARTHUR JACOB, see Wilczek, J. N., *Graf* v. Gentleman of Vienna. 1934.

ASHTON, ARTHUR JACOB, see Wilczek, J. N., *Graf* v. Happy retrospect. 1934.

763. ASHTON, JAMES M. Ice-bound; a trader's adventures in the Siberian Arctic. New York, London, G. P. Putnam's Sons, 1928. xvii, 235 p. plates, ports, fold. sketch map.

Account (based on a diary and other material) by the managing director of the Phoenix Northern Trading Co., who sailed (June 4, 1922) on the schooner *Iskum* from Tacoma, Washington, to Cape Nord (Mys Shmidta) and back, with side trips inland and beyond the cape. The purpose of the voyage was to investigate the company's trading posts from Indian Point (Mys Chaplina) to Kolyma Station and to study the region and its peoples. The preface, containing parts of the author's address before the Pacific Foreign Trade Convention, summarizes his conclusions.

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764. ASHWORTH, JAMES HARTLEY, 1874-1936. Polychaeta (supplementary). The rediscovery of *Arenicola glacialis* Murdoch, with observations on its characters and its status. Ottawa, King's Printer, 1924. 7 p. illus. (Canadian Arctic Expedition, 1913-1918. Report. v. 9: Annelids, parasitic worms, protozoans, etc., Pt. J)

Discussion, with complete description of *Arenicola glacialis* from Bernard Harbour, N.W.T. designated as *A. marina*, by R. V. Chamberlin in his *Polychaeta*, 1920, q.v. **Copy seen:** DSI-M.

765. ASPELIN, JOHAN REINHOLD, 1842- Du groupe arctique et des lapons. (International Congress of Anthropology and Prehistoric Archeology. 8th, Budapest, 1876. Compte-rendu. Budapest, 1877. p. 694-700) **Title tr.:** Of the arctic group and the Lapps.

Contains a brief discussion of the possible relationship between the prehistoric Lapps of northern Scandinavia and the Lapps and other Finno-Ugrians of European and Asiatic Russia.

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765A. ASPLUND, ERIK, 1888- Beiträge zur Kenntnis der Flora des Eisfjordgebietes. Stockholm, Almqvist & Wiksell, 1918. 40 p. illus. (Arkiv för botanik, 1918. Bd. 15, no. 14) **Title tr.:** Contributions to the knowledge of the flora of the Ice Fiord region.

Contains critical notes and data on the local distribution of about one hundred forty species of flowering plants and vascular cryptogams collected by the author in West Spitzbergen during the Expedition of the Mineralogo-Geological Institute of Uppsala in summers of 1913 and 1915.

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766. ASS, M. ĪA. K poznaniū ēktoparazitov morskikh mlekopitaūshchikh: Anoplura morzheĭ. (Leningrad. Vsesoūznyiĭ arkticheskii institut. Trudy, 1934, T. 9, p. 89-105 illus., diagr.) **Title tr.:** On ectoparasites of marine mammals: Anoplura of walrus.

Study of a parasite based on specimens from walrus of Franz Josef Land, Taymyr and Novaya Zemlya, as collected for the Arctic Institute of U.S.S.R. in 1930-31.

Summary in German.

Copy seen: DLC.

767. ASSBERG, F. F. Dirizhabl' v Arktike. (In: Obshchestvo izucheniā Sovetskoiĭ Azii. Vozdushnye puti Severa, 1933, p. 80-103, illus.) **Title tr.:** Airship in the Arctic.

Notes on the arctic flight of the Airship *Graf Zeppelin (LZ-127)* in 1931, by one of participants of the flight, based on the author's book of the same title then (1933) in press; the con-

struction of the airship and its equipment; list of the participants; the flight over the route Friedrichshafen-Berlin-Leningrad-Franz Josef Land-Severnaya Zemlya-Novaya Zemlya-Leningrad-Berlin-Friedrichshafen, July 24-31, covering 13,200 km.; and a brief evaluation of the results of the expedition.

Copy seen: DLC.

768. ASTAPOVICH, I. S. Vpechatleniia pervykh evropeitsev o burelome Tungusskogo meteorita. (Priroda, 1948, no. 5, p. 26-27) *Title tr.:* Impressions of the first Europeans to see the trees uprooted by the Tungus meteorite.

Diary of party which visited (in 1911) the edge of the Tunguska River area devastated by a meteorite of 1908.

Copy seen: DLC.

769. ASTROV, N. I. Iarovizatsiia ovoshchnykh kul'tur. (Sovetskii Sever, 1934, T. 5, no. 6, p. 117-19) *Title tr.:* Vernalization of vegetables.

Discussion of the new method of treating cereal seed before sowing to accelerate the process of growth and ripening, introduced by Prof. Lysenko, under the name "vernalization". Encouragement for using this method in vegetable culture in the North, where the artificial acceleration of the growing process will compensate the short vegetal period. Description of the technique of vernalization of vegetables.

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770. ASTROV, N. I. Osvoim agrotekhniku ovoshchevodstva Salekhardskogo zapoliar'ia. (Sovetskaiia Arktika, 1937, no. 6, p. 92-99, illus.) *Title tr.:* Let us apply agricultural techniques to vegetable growing in the Salekhard arctic region.

Description of some outstanding results obtained in the Salekhard area by modern scientific methods of cultivating vegetables and grain; encouragement for a systematic application of these methods throughout the region.

Copy seen: DLC.

771. ASTROV, N. I. Razvedem ovoshchi i kartofel'. (Sovetskaiia Arktika, 1936, no. 2, p. 98-109, illus., table) *Title tr.:* Let us cultivate vegetables and potatoes.

Discussion of eighteen agricultural experimental stations' work, 1923-35, in various vegetation zones of the Arctic. Table shows different vegetable crops at twelve experimental stations

in 1933; suggestions on fertilizing, selection of vegetable species, dates of sowing, etc.

Copy seen: DLC.

772. ASTRUP, EIVIND, 1871-1895. Det arktiske problem og de to Peary-expeditioner. Slaedereise til Melvillebugten. Foredrag den 16de januar 1895. (Norsk geografisk selskab. Aarbok, 1894-95, p. 80-94, illus., map) *Title tr.:* The arctic problem and the two Peary expeditions. Sledge journey to Melville Bay. Lecture given January 16th, 1895.

General remarks on arctic expeditions and description of the author's sledge journey on the Peary Expedition 1893-95, from Cape York along the coast of Melville Bay; with observations on glaciers.

Copy seen: DLC.

773. ASTRUP, EIVIND, 1871-1895. Blandt Nordpolens naboer; med illustrationer af Th. Holmboe efter fotografier og skitser af forfatteren samt fotografier og karter. Kristiania, H. Aschehoug & Co., 1895. vi p., 1 l., 319 p. incl. front., illus., plates, ports. fold. maps. *Title tr.:* Among the neighbors of the North Pole, with illustrations by Th. Holmboe from photographs and sketches by the author together with photographs and maps. Published in English as: *With Peary near the Pole*, 1898, q.v.

Contains résumés of the Peary expeditions to North Greenland, 1891-92 and 1893-95, a description of the Smith Sound coast, the Eskimos of Smith Sound region, Eskimo dog-sledge driving; accounts of Peary's and Astrup's sledge journey over the icecap to the eastern coast (Independence Bay, p. 209) and Astrup's cartographic expedition to Melville Bay. Includes information on Eskimos' religion and beliefs, artistic talent; notes on hunting, whaling, sealing, weapons, etc.

Copy seen: DLC; NNS Stef.

774. ASTRUP, EIVIND, 1871-1895. In the land of the northernmost Eskimo. (Eclectic magazine, May 1896. p. 593-605). Reprinted from the *Fortnightly review*, Mar. 1896. v. 65 (n.s. 59), p. 466-82.

Description of a sledge journey from Inglefield Gulf to Melville Bay, Apr.-May, 1894, during the Peary Expedition, with comment on the traveling conditions and Polar Eskimos.

Copy seen: DLC; NNS Stef.

775. ASTRUP, EIVIND, 1871-1895. A journey round Melville Bay. (Geographical journal, Apr. 1895. v. 5, p. 345-54, illus., 2 sketch maps)

Narrative of the author's sledge journey in northwest Greenland, from Inglefield Gulf south and west around Cape York to Thom Island (75°43'N. 60°40'W.) and return in Apr. 1894, as a member of the Second Peary Expedition, 1893-95. Includes descriptive notes (with sketch profiles) on the north coast of Melville Bay, and remarks on the glaciers of the region.

Copy seen: DLC.

776. ASTRUP EIVIND, 1871-1895. Løjtnant Peary's Grønlandsekspektion 1891-92; foredrag den 30te november, 1892. (Norske geografiske selskab. Aarbok, 1892-93, p. 25-44, map) *Title tr.:* Lieutenant Peary's Greenland Expedition, 1891-92; speech given the 30th of November, 1892.

Account of Peary's expedition across northern Greenland, 1891-92.

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777. ASTRUP, EIVIND, 1871-1895. With Peary near the Pole. London, C. A. Pearson, Ltd., 1898. 362 p. incl. front. (port.) illus., plates, fold. map.

Translation, with some illustrations omitted, of *Blandt nordpolens naboer*, 1895.

Copy seen: DLC.

ATHEARN, ROBERT G., *see* Hough, A. L. Army officer's trip to Alaska 1869, 1949.

778. ATKINSON, GEORGE T. Notes on a fishing voyage to the Barents Sea in August, 1907. (Marine Biological Association of the United Kingdom. Journal, 1908. New ser., v. 8, p. 71-98, illus., plate, diags.)

Based on the author's voyage on a commercial steam trawler, to the waters immediately outside the mouth of the White Sea; notes on the plaice; the composition of the catch, maturity, average size at maturity, age and migrations.

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779. ATKINSON, H. B., and C. E. BAY. Some factors affecting frost-penetration. (American Geophysical Union. Transactions, 1940. v. 21, p. 935-49, incl. tables, diags.)

Report and discussion on frost-penetration into "loessial deposit over soil residual limestone" in relation to snow-

cover, vegetation and air temperature; also on thawing and disappearance of frost. The authors' presentation is based on observations in Wisconsin and is followed (p. 949) by others' comments concerning other regions.

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780. ATLASOV, I. P. Geologicheskoe issledovanie raiona Selegniakh-Indigirskikh gor i ruzhnykh otrogov khrebtta Polousnogo. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 99, p. 149-93, illus., fold. map) *Title tr.:* Geological investigations of the region of the Selegniakh-Indigir Mountains and the southern spurs of the Polousnyy Range.

Study based on the investigation of the area 67°20'-69°40'N. and 139°-145°30'E., containing stratigraphic as well as some petrologic information, with a geological map.

Summary in English.

Copy seen: DLC.

781. ATLASOV, I. P. Orulganskii khrebet, geologiya, geomorfologiya, poleznye iskopaemye. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 99, p. 125-47, illus., fold. map) *Title tr.:* The Orulgan Range, its geology, geomorphology and minerals.

Study based on investigations of this part of the Verkhoysansk Mts. (about 67°N. 128°30'E.) for the Yakutsk Geological Surveying Trust, 1932. Includes information on mineral resources (twenty-six minerals) with a geological map.

Summary in English.

Copy seen: DLC.

782. ATTEMS, KARL, *Graf von*, 1868-. Myriopoden. (In: Fauna arctica, 1903. Bd. 3, p. 33-54) *Title tr.:* Myriapods.

Of the one hundred three Scandinavian and Russian species here listed, with synonymy and locations, eight occur north of 62°N. in Siberia. Bibliography (27 items).

Copy seen: DA.

783. ATTEMS, KARL, *Graf von*, 1868-. Die Myriopoden der Vega-Expedition. [Stockholm, 1909] 84 p. illus., 5 plates (4 double-face.) (Arkiv för zoologi. Bd. 5, no. 3) *Title tr.:* The myriapods of the Vega Expedition.

Includes descriptions of the localities where collections were made around the Chukotsk Peninsula, off Port Clarence

and Bering Island, with a list of the six species taken from these waters, and (in the annotated list of species) descriptions of three new species.

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784. ATWOOD, WALLACE WALTER, 1872- . Geology and mineral resources of parts of the Alaska Peninsula. Washington, U. S. Govt. Print. Off., 1911. 137 p. illus., 14 plates (part fold., incl. 5 maps) (U. S. Geological Survey. Bulletin 467)

Contains the results of surveys of the Chignik, Herendeen Bay, and Unga coal fields, 1908, including information on Alaska Peninsula as a whole (with geologic map), and results of previous investigations. Notes on previous explorations and surveys (with bibliography), on the topography, climate, commercial development, and transportation. Description of the stratigraphy, structural geology and geomorphology (including the Pleistocene glaciation). Distribution of mineral resources; description of the geology, character of the coal, and prospective mining conditions of the Herendeen, Chignik Bay, and Coal Harbor coal fields; of the Coal Bay (i.e. Puale Bay) oil field; of gold on Popof, Unga, and Unalaska Islands; and of copper occurrence at Prospect (i.e. Warner) and Balboa Bays.

Maps include: (1) topographic, (2) geologic maps of Balboa-Herendeen Bay and Unga Island region, and (3) geologic-topographic map of Chignik Bay region; contour interval 200 ft. and scale 1:250,000.

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785. ATWOOD, WALLACE WALTER, 1872- . Some Triassic fossils from southeastern Alaska. (Journal of geology, Oct.-Nov. 1912. v. 20, p. 653-55)

Note on eight species of brachiopods and molluscs from Hamilton Bay on the northwest coast of Kupreanof Island, with remarks on the formations in which they were found.

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AUBERT DE LA RUE, EDGAR, *see* Abrard, R., & E. Aubert de la Rue. Sur la présence de Quaternaire fossilifère. 1949.

AUBERTIN, DAPHNE, *see* Sjøstedt, Y., & others. Entomologische Ergebnisse Kamchatka-Exped. 37. Abschluss. 1935.

786. AUER, A. V. Kasvistollisia havaintoja Pohjois-Suomesta. (Societas pro fauna et flora fennica. Memoranda, 1935-36 pub. 1937. v. 12, p. 131-42)

Title tr.: Floristic observations in northern Finland.

Contains a list of ninety-five species of flowering plants collected in 1934-35, in northern Ostrobothnia (Rovaniemi) and the Kemi region, Finnish Lapland, with notes on habitat and local distribution. *Copy seen:* MH-A.

787. AUER, HARRY A. Camp fires in the Yukon. Cincinnati, Stewart & Kidd, 1916. vi, 2 l., 204 p. 17 plates, 2 maps.

Account of big game hunting in the St. Elias Range, Yukon territory.

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788. AUGENER, HERMANN, 1872- . Ergänzung zu den Polychaeten von Spitzbergen, *Fauna arctica*, Bd. V, Lief. 3, 1928. (Zoologischer Anzeiger, Aug. 1929. Bd. 84, p. 24-34) *Title tr.:* Additions to the Polychaeta of Spitzbergen [in] *Fauna arctica*, Bd. V, Lief. 3, 1928.

Supplemental paper to the author's *Die Polychaeten in Spitzbergen*, 1928, q.v. Based on the species recorded by P. Fauvel in *Annélides polychètes non pélagique*, etc., 1914, and *Annélides polychètes pélagiques*, etc., 1916,* which comprise the final report on Polychaeta from the Prince of Monaco Expeditions in Svalbard waters, and which Augener had not seen when preparing his earlier paper. This supplement contains a list with localities, of sixty-six species of polychaete annelids; and corrections to the table of determinations in the author's paper noted above.

*These papers, published as *Résultats des campagnes scientifiques accomplies sur son yacht par Albert 1er Prince de Monaco*, fasc. 46 and 48, will be analysed in a Supplement to this Bibliography.

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789. AUGENER, HERMANN, 1872- . Polychaeten von Franz-Joseph-Land. I-II (Zoologischer Anzeiger, Jan. 1913. Bd. 41, p. 202-20, 253-73, illus.) *Title tr.:* Polychaeta from Franz Josef Land.

Based mainly on the collection made by W. S. Bruce, during the Jackson-Harmsworth Expedition, 1896-97. Fully annotated list (with localities, distribution and list of stations) of forty-seven (including with description, one new)

species of annelid worms, from the littoral waters of the archipelago.

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790. AUGENER, HERMANN, 1872- . Die Polychaeten von Spitzbergen. (Zoologischer Anzeiger, Juli 1921. Bd. 53, p. 63-65) *Title tr.:* Polychaeta from Spitzbergen.

Discussion of the distribution elsewhere in the Arctic, of groups of these annelid worms found in the littoral waters of West Spitzbergen.

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791. AUGENER, HERMANN, 1872- . Die Polychaeten von Spitzbergen. (In: Fauna arctica, 1928. Bd. 5, p. 647-834, plate, tables) *Title tr.:* The polychaetes of Spitzbergen.

Contains a discussion of West Spitzbergen as a peculiar general habitat of polychaetes due to the influence upon its western and northern shores, of the Gulf Stream. Tabular presentation of the stations of the German Expedition to the Arctic Ocean, 1898, giving positions, dates, depths, and bottom characteristics; polychaete species collected at each; the circumpolar distribution of West Spitzbergen species; distribution of species in Svalbard waters; polychaetes collected by the *Olga* in 1898 off Bear Island and West Spitzbergen; and a list of species from Bering and Kara Seas, in the Bremen Museum. List with synonyms, references, remarks, and distribution, of one hundred fifty-eight species of these marine annelid worms from Svalbard waters; supplementary lists of occurrences reported after this paper was prepared (1918) and a comparison with Greenland's polychaete fauna. The author also published as addenda: *Ergänzung zu den Polychaeten von Spitzbergen*, 1929, q.v.

Copy seen: DA.

792. AULIN, FREDRIK RUTGER, 1841-1923. Anteckningar till Sveriges adventivflora. (Svensk botanisk tidskrift, 1914. Bd. 8, häfte 3, p. 357-77) *Title tr.:* Notes on adventive flora of Sweden.

Contains an alphabetical list of about three hundred fifty species of adventive plants growing in Sweden, including *Avena sativa*, native to Torne Lappmark.

Copy seen: MH-A.

AULT, JAMES PERCY, 1881-1929, see American Geophysical Union. Section

of Volcanology. Symposium on scientific cooperation in Aleutian I. 1926.

793. AURÉN, TYCHO EMANUEL ERICSON, 1870- . Die Helligkeit auf der Skandinavischen Halbinsel. (Meteorologische Zeitschrift, Mai 1934. Bd. 51, p. 173-80, diagrs.) *Title tr.:* The light intensity in the Scandinavian Peninsula.

The light intensity measurements made at Stocksund (near Stockholm) during the period, 1928-32 are analyzed. On the basis of such limiting factors as total radiation, sunshine and cloudiness, the results having illumination intensity values are extrapolated for the entire peninsula.

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794. AURIVILLIUS, CARL WILHELM SAMUEL, 1854-1899. Eine Anguillulide aus der Schnee-Fauna Spitzbergens. Stockholm, K. Boktryckeriet, 1883. 15 p. illus., 1 plate. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 8, no. 11) *Title tr.:* An anguillulid from the fauna of Spitzbergen snow.

A nematode worm, *Aphelenchus nivialis*, in association with red algae, collected in the Ice Fiord region of West Spitzbergen by the Geological Expedition to Spitzbergen, 1882.

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795. AURIVILLIUS, CARL WILHELM SAMUEL, 1854-1899. Animalisches Plankton aus dem Meere zwischen Jan Mayen, Spitzbergen, K. Karls Land und der Nordküste Norwegens. Stockholm, P. A. Norstedt, 1899. 71 p. (Svenska vetenskapsakademien. Handlingar. [Ny följd] bd. 32, no. 6) *Title tr.:* Animal plankton from the sea between Jan Mayen, Spitzbergen, King Charles Land and the north coast of Norway.

Contains survey of earlier research, classification tables of plankton, and lists of species collected by the *Virgo*, 1896, the Swedish Geological Expedition to Ice Fiord, 1896, the *Svensksund*, 1897, and the Swedish Arctic Expedition, 1898.

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796. AURIVILLIUS, CARL WILHELM SAMUEL, 1854-1899. Krustaceer hos arktiska tunikater. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 221-54, 3 plates) *Title tr.:* Crustaceans from arctic tunicates.

List, with descriptions and localities, of twelve (including seven new) species of parasitic amphipods and copepods collected by the *Vega* Expedition in Kara and Chukchi Seas, and by the Swedish Expedition of 1861 in Davis Strait and Svalbard waters.

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797. AURIVILLIUS, CARL WILHELM SAMUEL, 1854-1899. Öfversigt öfver de af Vega-expeditionen insamlade arktiska hafsmollusker. II. Placophora och Gastropoda. (*In:* Norden-skiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 311-83, 2 plates) *Title tr.:* Survey of arctic marine molluscs collected by the *Vega* Expedition. II. Placophora and Gastropoda.

Contains list, with synonymy, localities and remarks upon the specimens, of one hundred twenty-one (including nine new) species from Kara, Laptev, East Siberian and Chukchi Seas, Bering Strait and Bering Sea; descriptions of new species and new varieties and a list of stations. *Copy seen:* DGS.

798. AURIVILLIUS, CARL WILHELM SAMUEL, 1854-1899. Das Plankton der Baffins Bay und Davis' Strait. Eine thiergeographische Studie. (*In:* Zoologiska Studier. Festskrift Wilhelm Lilljeborg tillägnad på hans åttionde födelsedag af Svenska Zoologer. Upsala, 1896. p. 179-212, chart) *Title tr.:* The plankton of Baffin Bay and Davis Strait. A zoogeographic study. Report on collections made by A. Ohlin on the Peary Auxiliary Expedition, and by E. Nilsson, from the whaling vessel *Eclipse*, 1894.

Contains (1) an historical summary of plankton research in Greenland waters, with mention of the forms, and a bibliography of earlier works; (2) outline of the physical conditions of the waters; (3) record of Greenland zooplankton according to their horizontal distribution, listing, with distribution in Greenland and other waters, the three types (arctic, temperate, and eurythermal); (4) record of zooplankton in relation to phytoplankton (lists, with surface temperatures and position, for several sections of Baffin Bay and Davis Strait; and (5) outline of the relation of Greenland zooplankton to that of eastern American, and western European waters, especially the North

Sea. Table shows catch of fifty-two species of zooplankton taken May-Oct., 1894.

Copy seen: DF.

AURIVILLIUS, CHRISTOPHER, see Aurivillius, Per Olof Christopher, 1853-1928.

799. AURIVILLIUS, PER OLOF CHRISTOPHER, 1853-1928. Grönlands insektfauna. I. Lepidoptera, Hymenoptera. Stockholm, P. A. Norstedt, 1890. 33 p. 3 plates. (Svenska vetenskapsakademien. Handlingar. Bihang, bd. 15, afd. 4, no. 1)

Contains lists, with descriptions, localities, synonymy, and notes on distribution, of twenty-eight (including one new) species of butterflies, moths, etc., and seventeen (including one new) species of bees, wasps, etc., collected mainly by G. Kolthoff during the Swedish Expedition to Greenland, 1883. Bibliography. *Copy seen:* DLC.

800. AURIVILLIUS, PER OLOF CHRISTOPHER, 1853-1928. Insektlivet i arktiska länder. (*In:* Norden-skiöld, N. A. E. Studier och forskningar [1883-84]. p. 403-459) *Title tr.:* Insect life in arctic regions.

German translation was published in Norden-skiöld's *Studien und Forschungen veranlasst durch meine Reise im hohen Norden*, 1885, q.v.

Discussion of insects in most arctic regions and of research resulting from arctic expeditions. *Copy seen:* DLC.

801. AURIVILLIUS, PER OLOF CHRISTOPHER, 1853-1928. Lepidoptera insamlade i nordligaste Asien under Vega-expeditionen. (*In:* Norden-skiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 73-80, plate) *Title tr.:* Lepidoptera collected in northernmost Asia during the *Vega* Expedition.

List, with synonyms, locations, notes on distribution and remarks upon the specimens of eight species of butterflies and moths. *Copy seen:* DGS.

802. AURIVILLIUS, PER OLOF CHRISTOPHER, 1853-1928. Lepidoptera och Coleoptera insamlade under professor A. G. Nathorst's arktiska expeditioner 1898 och 1899, under Den svenska expeditionen till Beeren Eiland 1899 och under konservator G. Kolthoffs expedition till Grönland 1900. (Svenska vetenskapsakademien. Öfver-

sigt af förhandlingar, 1900. Årg. 57, p. 1135-44) *Title tr.*: Lepidoptera and Coleoptera collected during Professor A. G. Nathorst's Arctic Expeditions, 1898 and 1899; during the Swedish Expedition to Bear Island 1899 and during curator G. Kolthoff's Expedition to Greenland 1900.

Annotated list with remarks on the locations of fourteen species of butterflies and moths and four species of beetles and weevils collected on West Spitsbergen, King Charles Land, Jan Mayen, East Greenland, and Bear Island.

Copy seen: DLC.

AURIVILLIUS, PER OLOF CHRISTOPHER, 1853-1930, see also Holmgren, A. E., & P. O. C. Aurivillius. *Insecta a viris Nordenskiöld 1875. 1883.*

AUSTEN, ERNEST EDWARD, 1867-, See Sjostedt, Y., & others. *Entomologische Ergebnisse Kamchatka-Exped. 37. Abschluss. 1935.*

AUSTIN, Sir HORATIO THOMAS, 1800 or 1801-1865, see Review of the proceedings of the arctic searching exped. 1851.

AUSTIN, Sir HORATIO THOMAS, 1800 or 1801-1865, see Review of the proceedings of the arctic searching exped. 1851 reprint.

803. AUSTIN, OLIVER LUTHER. The birds of Newfoundland Labrador. Cambridge, Mass., 1932. 2 p. l., 229 p. 2 maps (1 double). (Nuttall Ornithological Club. Memoirs, No. 7)

An "endeavor to incorporate all the information available regarding the avifauna . . . with particular attention to the systematic status, the present distribution, and the probable origin of its component parts." Contains outline of ornithological investigation in the area, the author's own experience in the field, 1927, 1928; origin and history of Labrador avifauna; list of 177 species and subspecies, with full annotations, giving vernacular names, general range, occurrence in Labrador, habitat, nesting and other habits; bibliography (159 items). Some supplemental information is published in E. G. Loomis' *Notes on birds of northern Newfoundland and Labrador*, 1945, q.v.

Copy seen: DSI-M.

804. AUSTIN, OLIVER LUTHER. Migration-routes of the arctic tern

(*Sterna paradisæa* Brünnich). (North-eastern Bird-Banding Association. Bulletin, Oct. 1928. v. 4, p. 121-25)

Based on the author's expedition of 1928, observations made in the North Atlantic on the migration of this circumpolar species. *Copy seen*: DSI-M.

805. AUTOMOTIVE INDUSTRIES. 5-W engine oil likely answer to sub-zero operation. (Automotive industries, Feb. 15, 1949. v. 100, no. 4, p. 31, 68, 70)

History of the introduction of a new motor oil (for passenger cars only) in low temperature regions; with remark that at the time of writing this oil had as yet no official standing and was not of SAE grade. *Copy seen*: DLC.

806. AVDEEV, I. I. Dramaticheskije predstavleniia na medvezh'em prazdnike u mansi. (Sovetskii Sever, 1935, no. 3-4, p. 169-74, illus.) *Title tr.*: Dramatic representation during the bear festival of the Mansi.

Description of the dramatic part of the bear festival among the Ostyaks and Voguls of the Northern Ural.

Copy seen: DLC.

807. AVER'YANOV, B. N. Graptoloidea s Novoï Zemli. (Morskoi nauchnyi institut. Trudy, 1929. T. 4, vyp. 4, p. 51-54, illus.) *Title tr.*: Graptoloidea from Novaya Zemlya.

A brief description of three specimens of graptolites found in a slate sample brought from Cape Zhelaniya, Novaya Zemlya, by one of the *Persei* expeditions.

Summary in German. *Copy seen*: DF.

808. AVER'YANOV, B. N. Nizhesiluriiskie graptolity s r. Kolymy. (Akademii nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriiä iakutskaiä, vyp. 11. Kolymskaiä geologicheskaiä ekspeditsiia, 1929-1930. T. 1, chast' 1, p. 29-34, plate) *Title tr.*: Lower-Silurian graptolites from the Kolyma River.

Results of analyses of fossils collected by the Kolyma Geological Expedition in 1929. Description of nine species determined by the author.

Copy seen: NN.

809. AVERINTSEV, S. Einige Ergebnisse von Beobachtungen an *Clupea harengus* des Barentsmeeres. (International Council for the Study of the Sea.

Journal du conseil, Apr. 1935. v. 10, p. 66-74) **Title tr.:** Some results of observations on *Clupea harengus* of the Barents Sea.

Contains some notes on the Barents Sea herring, tending to disagree with the view that the Murman coast herring is a separate race.

Copy seen: DLC.

810. AVERINTSEV, S. Herring of the White Sea. [Kiel und Leipzig, Lipsius & Tischer, 1926]. 24 p. incl. tables, chart. (Wissenschaftliche Meeresuntersuchungen. Neue Folge, Bd. 15, Abt. Helgoland, Nr. 18)

Results of investigations carried out during 1923-25 by the Scientific Institute of Fisheries, Moscow. Short description of the White Sea, and full treatment of the small and large races of herring in Kandalaksha, Onega, and Archangel Gulfs, with remark on the oceanic race of herring temporarily inhabiting White Sea, and a comparison of separate races; with a bathymetric chart of White Sea. **Copy seen:** DF.

811. AVERINTSEV, S. Results of hydrological work conducted in the region of Cape Kanin (Barentz Sea) in connection with fisheries. Annals and magazine of natural history, Jan. 1926. Ser. 9, v. 17, p. 117-26)

In connection with trawl-fishing during Aug.-Nov. 1918, the author carried out investigations of the bottom-water temperature and salinity, and gives a series of charts showing results, with remarks on the quantity of catch, and interrelationship of fish population and changing water conditions.

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812. AVERINTSEV, S. Über die Erforschung der Nutzfische und den Fischereibetrieb im Barents-Meer nebst Anregungen für weitere Untersuchungen. [Kiel und Leipzig, Lipsius & Tischer, 1927] 18 p. 2 maps. (Wissenschaftliche Meeresuntersuchungen. Neue Folge, Bd. 16, Abt. Helgoland, Nr. 8) **Title tr.:** Concerning the investigation of food fishes and fisheries in Barents Sea and suggestions for further research.

Discussion of previous research (with references to the literature) on the fishing banks, hydrography, plankton and bottom life, codfish, plaice, haddock, halibut, herring and other

fishes. Bathymetric map of Barents Sea from 68°-72°N. 30°-51°E. shows fishing banks, best fishing grounds, and occurrence of the various fishes.

Copy seen: DF.

813. AVERINTSEV, S. Über die Verteilung von *Mallotus villosus* im Barentsmeer. (International Council for the Study of the Sea. Journal du conseil, Apr. 1934. v. 9, p. 79-82) **Title tr.:** On the distribution of *Mallotus villosus* in Barents Sea.

The seasonal distribution of one of the capelins (a small fish upon which codfish feed) in southern Barents Sea.

Copy seen: DLC.

814. AVERINTSEV, S. Über *Pleuronectes platessa* des Barents-Meeres. I. (Zoologischer Anzeiger, Feb. 1929. Bd. 80, p. 149-58) **Title tr.:** On *Pleuronectes platessa* of Barents Sea. I.

Based on collections made by the Russian Economic Fisheries cutter *Poliarnaiu Svesda* in 1927-28 in Kola Inlet and along the Murman coast; report on sex ratio and growth rates in age groups of the 1928 catch of flounders. Pt. 2, on the 1928 catch was written by S. Rakhmanova, 1929, q.v.

Copy seen: DSI-M.

815. AVERINTSEV, SERGEI VASIL'EVICH, 1875- . Ochet o dīetel'nosti Murmanskoī biologicheskoi stantsii v 1905 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1905. T. 36, vyp. 1, p. 188-204) **Title tr.:** Report on activity of the Murman Biological Station in 1905.

Contains the annual report of the director of Murman Biological Station for 1905; includes notes on about twenty species of marine algae and their zonal distribution, and a list of forty-six species of amphipodous crustaceans, determined by E. E. Brügggen, and of fourteen ascidians, determined by V. V. Redikortsev.

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816. AVERINTSEV, SERGEI VASIL'EVICH, 1875- . Ochet zavēduūshchago Murmanskoī biologicheskoi stantsieiū za 1906 god. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1907. T. 38, vyp. 1, p. 49-68.) **Title tr.:** Report of the director of Murman Biological Station for 1906.

Contains an annual report of the director of Murman Biological Station

for 1906, with a list of seventy-one species of *Rhizopoda reticulosa*, collected in Kola Bay (two species new, undescribed) and another list of fifteen ascidians determined by V. V. Redikortsev.

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817. AVERINTSEV, SERGEI VASIL'EVICH, 1875- . Über die Süßwasserprotozoen der Insel Waigatsch. (Zoologischer Anzeiger, März 1907. Bd. 31, p. 306-312) **Title tr.:** On the freshwater protozoans of Vaygach Island.

Notes on eighteen (including with description, one new) species.

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818. AVERINTSEV, SERGEI VASIL'EVICH, 1875- . Über einige Süßwasser-Protozoen der Bäreninsel. (Zoologischer Anzeiger, Feb. 1907. Bd. 31, p. 243-47) **Title tr.:** On some freshwater protozoans from Bear Island.

Contains notes on twenty-three species, collected by the author in Aug. 1906.

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819. AVERINTSEV, SERGEI VASIL'EVICH, 1875- . Zur Foraminiferen-Fauna des Sibirischen Eismeer. St.-Petersbourg, 1911. 2 p. l., 27 p. plate. (Russkaja poljarnaja ekspeditsiya, 1900-1903. Resultats scientifiques. Sect. E, vol. 2, livr. 3. Pub. as: Akademiya nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique, vol 29, no. 3) **Title tr.:** On the Foraminifera of the Siberian Arctic Ocean.

Contains a list of the species collected, a station list giving positions, depths and bottom sediments in Barents, Kara, and Laptev Seas, and the Arctic Basin north of the New Siberian Islands, and an annotated list of fifty-five (including with descriptions, three new) species.

Copy seen: DSI-M.

AVERINTSEV, SERGEI VASIL'EVICH, 1875- , see also Derjugin, K. M. Fauna Ekaterinenskoj gavanj. 1906.

820. AVERINTSEVA, NATALIE SSYSHCH. Über *Pleuronectes glacialis* aus dem Weissen Meer. (Zoologischer Anzeiger, Okt. 1930. Bd. 91, p. 156-67) **Title tr.:** On *Pleuronectes glacialis* from the White Sea.

Contains a study of the age groups, growth rates and meristic characters of these flounders.

Copy seen: DSI-M.

821. AVGEVICH, V. Èkspeditsionnaja odezhda. (Sovetskaja Arktika, 1939, no. 5, p. 111-16) **Title tr.:** Expeditionary clothes.

List of essential garments for each season of the year, remarks on their efficiency and materials; also rules for wearing of fur clothing; based on the author's long experience in the Arctic.

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822. AVGEVICH, V. Summa opyta. (Sovetskaja Arktika, 1939, no. 3, p. 29-36, illus.) **Title tr.:** The collected experience.

Discussion of the most efficient organization of expeditionary work: selection of suitable equipment (tents, ovens, dishes, implements, etc.), methods of using them, schedule for day-to-day living, etc.

Copy seen: DLC.

AVINOFF, ANDREY, 1884- , see Brooks, S. T., & others. Insects (Lepidoptera) & invertebrates. 1935.

823. AVRAMCHIK, M. N. Geobotanicheskaja i pastbishchnaja kharakteristika rajona reki Dudyty. (Leningrad. Vsesoyuznyi arkticheskii institut. Trudy, 1937. T. 63, p. 47-81, illus. (map), fold. diagr.) **Title tr.:** Geobotanical description of pastures in the Dudypta River basin.

Results of a study made for the Reindeer Department of the Arctic Institute of U.S.S.R., with a description of types of tundra and a list of plants noted from the point of view of reindeer feed in this region (71°N. 94°E.) of Krasnoyarsk province.

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824. AVRAMCHIK, M. N. Otavnost' u nekotorykh kormovykh rastenij na tundrovyykh pastbishchakh. (Leningrad. Nauchno-issledovatel'skii institut poljarnogo zemledelija, zhivotnovodstva i promyslovogo khozjaistva. Trudy. Ser. Olenovodstvo, 1939. Vyp. 4, p. 89-131, illus., tables, diagrs.) **Title tr.:** The after-grass of some forage plants on tundra pasture.

Results of experiments 1936-37, for the Institute of Polar Agriculture, on the summering ground of reindeer herds, on Tazovskiy (called Malyi, i.e. "Little", Yamal) Poluostrov (region of 67°45'N. 77°52'E.); data on growing ability and nutritive value various second-crop forage plants.

Summary in English.

Copy seen: DLC.

825. AVRAMCHIK, M. N. Zimnee pitanie olenei na Yamal'skom severe. (Leningrad. Nauchno-issledovatel'skii institut pol'arnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 4, p. 47-66) *Title tr.*: The winter feeding of reindeer on the Yamal North.

Results of work (for the Institute of Polar Agriculture) with the experimental herd of the Yamal Zonal Station at its 1936-37 wintering place on the Nydinsk reindeer sovkhos (about 65°40'N. 74°E.) within the south forest tundra of Malyy (Little) Yamal, i.e. Tazovskiy Poluostrov. Data on accessibility of pasture under snow conditions, its utilization by reindeer, composition of the forage eaten as deduced from analyses of stomach contents of reindeer.

Summary in English.

Copy seen: DLC.

826. AVRORIN, NIKOLAI ALEK-SANDROVICH, 1906- . Pishchevye rezervy flory Krainego Severa. (Sovetskii Sever, 1933, no. 4, p. 40-49, illus.) *Title tr.*: The vegetative resources of the far North.

Discussion of the need for studying various kinds of plants (berries, grasses, nuts, edible roots, etc.) growing in the far North, their nutritive value having been demonstrated by the experience of the Khibina Botanical Garden of the Academy of Sciences.

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827. AVRORIN, NIKOLAI ALEK-SANDROVICH, 1906- , and others. Materialy po rastitel'nosti Khibinskikh gor. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, Seriia kol'skaiia, 1936. Vyp. 11, p. 1-93, illus. (map)) *Other authors:* M. KH. Kachurin, A. A. Korovkin. *Title tr.*: Materials on the vegetation of the Khibiny Mountains.

Contains historical data on the exploration of the Khibiny region of Kola Peninsula, a physico-geographical sketch and an ecological survey of the vegetation, arranged by regions; based on the material collected by the authors as members of Botanical section of the Kola Complex Expedition of the Academy of Sciences in 1932-33.

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828. AXELSON, WALTER M. Diagnosen neuer Collembolen aus Finland und angrenzenden Teilen des nordwest-

lichen Russlands. (Societas pro fauna et flora fennica. Meddelanden 1901-1902 pub. 1902. Häfte 28 B, no. 19, p. 101-111) *Title tr.*: Diagnoses of new Collembola of Finland and adjoining regions of northwestern Russia.

Contains description of thirteen new species of collembolans, including five of these insects native to Kemi Lappmark and Keret Karelia.

Summary in German.

Copy seen: MH-A.

829. B., E. Ekspeditiia gidrograficheskogo sudna "Taimyr". (Problemy Arktiki, 1937, no. 4, p. 142-43) *Title tr.*: Expedition of the hydrographical ship Taimyr.

Short account of the voyage, May 21-June 8, 1937, and of ice conditions in Kara Sea. Summary in English.

Copy seen: DLC.

BÄGENHOLM, G., see Sylvén, N., & G. Bågenholm. Ruderatvaxter f. Lule Lappmark. 1902.

830. BÅARDSON, IVARR, 14th century. Det gamle Grønlands beskrivelse. Edited from the manuscripts by Finnur Jónsson. København, Levin & Munksgaard, 1930. 75 p., 2 maps (one double). *Title tr.*: Description of the old Greenland.

Account of conditions in the Norse colonies in Greenland during the middle of the 14th century, with data on the geography of Greenland, its farms and communities, churches, etc., by the Norwegian who was steward to the bishop at Gardar about 1341-68. Includes an introduction and comparative study of the various copies of the original manuscript, by Finnur Jónsson.

Copy seen: NN.

BÅARDSON, IVARR, 14th century, see also Jónsson, F. Grønlands gamle topografi. 1899.

BÅARDSON, IVARR, 14th century, see also Solberg, O. M. Ivar Bårdssøns Grønlandsbeskrivelse. 1931.

831. BAARE-SCHMIDT, HANS GEORG, 1913- . Alaska—Land der Zukunft. (Zeitschrift für Geopolitik, Sept. 1938. Jahrg. 15, p. 723-29, sketch map) *Title tr.*: Alaska — land of the future.

Brief description, for the general reader, of the geography, history, population, resources, commerce, industries,

finances and strategic importance of Alaska. *Copy seen:* DLC.

832. BAASHUUS-JESSEN, JOHAN-NES, 1887- . Arctic nervous diseases. (Skandinavisk veterinærtidskrift, Juni 1935. Årg. 25, p. 310-45). Also issued as Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse, 28, 1935; and reprinted in Veterinary journal, 1935. v. 91, p. 339-50, 379-90.

"Compilation and systematization of the facts hitherto known," based on extracts from the literature of nervous diseases, especially in the Arctic, including accounts of polar expeditions. The author gives selected quotations, and discusses diseases occurring in dogs in the Arctic, which he believes to be caused by fat, mineral, and vitamin deficiencies; with a bibliography (51 items). Summary in Danish, p. 345. *Copy seen:* DA.

833. BAASHUUS-JESSEN, JOHAN-NES, 1887- . Periodiske vekslinger i småviltbestanden. (Norges jeger- & fiskerforbund. Tidsskrift, 1937. p. 1-15) *Title tr.*: Periodical fluctuations in the population of small game. Reprinted as: Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 36.

Discussion of causes of reduction in lemmings, voles, and other wildlife, mention of effects of cold on many arctic animals and of epidemics, deficiency diseases, and the need for further research on the subject. Summary in English, p. 12-15.

Copy seen: (of reprint): DGS.

834. BABCOCK, JOHN PEASE, and others. Investigations of the International Fisheries Commission to December 1930, and their bearing on regulation of the Pacific halibut fishery. Seattle, Wash., 1930. 29 p. 3 charts (1 fold.) diagrs. (International Fisheries Commission (U. S. and Canada). Report. No. 7) *Other authors:* W. A. Found, Miller Freeman, and Henry O'Malley.

Second report of the commissioners, stating the function and program of the commission, the system of observation of the fishery, and brief notes on life history of the halibut from south-eastern Alaskan waters to the Aleutian Islands.

Copy seen: DF.

835. BABCOCK, JOHN PEASE, and others. Report of the International

Fisheries Commission appointed under the northern Pacific halibut treaty. (U. S. Fish and Wildlife Service, Report of the U. S. Commissioner of Fisheries, 1930, pub. 1931. p. 1-25, incl. diagrs. 5 charts (3 fold.) Document no. 1073) *Other authors:* W. A. Found, Miller Freeman, and Henry O'Malley. Issued also as: International Fisheries Commission (U. S. and Canada). Report no. 1, 1931.

Prepared pursuant to a treaty between the U. S. and Canada, ratified Oct. 21, 1924, providing for cessation of fishing activities during three months each year, appointment of a commission to investigate the life history of the halibut, and make recommendations as to the regulation of the fishery.

Contains the commissioners' report, list of the members of the council, a note on the condition of the fishery, and recommendations for conservation of the halibut. *Copy seen:* DF.

BABCOCK, WALTER C., *see* U. S. Copper River Exploring Expedition. Alaska 1899 (reports on exped.) 1900.

836. BABCOCK WILLIAM HENRY, 1849-1922. Early Norse visits to North America. Washington, Smithsonian Institution, 1913. iii, 213 p. plate maps. (Smithsonian miscellaneous collections. v. 59, no. 19)

A review of the evidence of visits and settlement of Norsemen in North America, with remarks upon F. Nansen's observations; and a "partial bibliography", p. 179-89.

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837. BABINET, JACQUES, 1794-1872. The northern seas. (Smithsonian Institution. Annual report, 1869, pub. 1871. p. 286-96)

Discussion of the northern seas, their ice and currents, (mainly) as reported in the scientific results of Prince Bonaparte's expedition on the *Reine Hortense*, 1856 (published as Chojecki, Karol E., *Voyage dans les mers du nord*, 1857, q. v. *Copy seen:* DLC.

838. BABUSHKIN, A. I. Bol'shezemel'skaja tundra. Syktyvkar, Izd. Komi obstatotdela, 1930. 192, 19 p., fold map, tables. *Title tr.*: Bol'shezemel'skaya Tundra.

Handbook on the region (66°30'-68°N. 55°-60°E.) with a general description of the tundra, its history, popu-

lation, and considerable statistical data on the reindeer breeding, its importance for the local economy, utilization of by-products, etc. *Supplement*: A bibliographical index of literature on Bol'shezemel'skaya Tundra and reindeer breeding, 19 p. at end.

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839. BABUSHKIN, MIKHAIL SERGEEVICH. Arkticheskiĭ samolet. (Sovetskaiā Arktika, 1936, no. 3, p. 95) *Title tr.*: The arctic airplane.

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840. BABUSHKIN, MIKHAIL SERGEEVICH. Moia pervaiā posadka na led. (Ėpizod raboty za poliarnym kruhom). (In: Obshchestvo izucheniā Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 420-24, illus.) *Title tr.*: My first landing on ice. (Episode above the Arctic Circle)

A pilot's narrative of his first reconnaissance flight in 1926 over the White Sea to assist a hunting party on an ice-breaker in search for the herds of seals; the plane's landing on an ice floe, the party's successful hunting due to information provided by the airplane.

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841. BABUSHKIN, MIKHAIL SERGEEVICH. Nad l'dami. (Sovetskaiā Arktika, 1936, no. 1, p. 51-55, illus.) *Title tr.*: Above the ice fields.

Description of aerial reconnaissance during the Sadko expedition, 1935.

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842. BACHMANN, E. Die Morioloceen. (Nytt magasin for naturvidenskapene, 1926. Bd. 64, p. 170-228, illus., plates 1-3) *Title tr.*: Morioloceae.

Contains a critical revision based on an extensive morphological study of the lichen family Morioloceae, established by J. M. Norman, and including some arctic species; with a key, description of thirteen species and transfer of some genera and species to Fungi. This revision was continued by K. Keissler in his *Über die als Pilze anzusehenden Arten unter den Norman'schen Morioloceen*, 1928, q.v.

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843. BACHMANN, HANS. Beiträge zur Algenflora des Süßwassers von Westgrönland. (Naturforschende Gesellschaft in Luzern. Mitteilungen, 1921. Heft 8, p. 1-181, illus., 4 plates,

map) *Title tr.*: Contributions to the fresh-water algae of West Greenland. Based on collections made by the author in 1908, on some specimens from the Tjalfe cruise, 1908, and on Dr. Båbber's collections, 1909.

Contains a classified list, with notes on morphology, of seven hundred nineteen (including with descriptions nineteen new) species and subspecies of algae (including over three hundred diatoms and one hundred seventy-seven desmids). Station lists for Godthaab, Holsteinsborg, Egedesminde, Godhavn, Disko Bay, Nugssuaq Peninsula, and Sermitled Fiord; and list of species from brooks and puddles. Characterization of the waters from the standpoint of plankton habitat: large lakes, ponds, pools, running water, etc.; temperature relationships of the waters, significance of running water; algae from mosses, and observations on changes in the water with different periods of time. Bibliography (57 items).

Brief, preliminary notice of this work appeared in Schweizerische Naturforschende Gesellschaft. Verhandlungen, 1910. Jahresversammlung 93, Bd. 1, p. 255-57. *Copy seen*: NNM.

BACHMANN, HANS, see also Haberbosch, P. Süßwasser-Entomostracen Grönlands. 1920.

844. BACHURINA, A. A., and others. Klassifikatsiia i kharakteristiki vodushnykh mass letom na severe evropeiskoi territorii Sotūza. (Zhurnal geofiziki, 1936. T. 6, no. 2-3 (20-21), p. 201-229, diags.) *Other authors*: L. I. Blumina and L. I. Petrova. *Title tr.*: Classification and characteristics of the principal air masses in the northern part of the European section of the U.S.S.R.

The source regions, the trajectories, and the modification of the principal air masses of the northern portion of the European U.S.S.R. are described in detail. Summary in German.

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845. BACK, Sir GEORGE, 1796-1878. Account of a route to be pursued by the Arctic Land Expedition in search of Captain Ross. (Royal Geographical Society. Journal, 1833, pub. 1834. v. 3, p. 64-71, fold. map)

Contains descriptive remarks on the route and means of travel by waterways from Montreal to Great Slave

Lake, thence northeast to descend the Great Fish (now Back) River to arctic waters. Includes brief reference to Hearn's conception of the Great Fish River as a route abounding in fish and game; also Back's opinion on the advantage of this route, of its terminal as a starting-point for the search for Ross's party.

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846. BACK, Sir GEORGE, 1796-1878. An account of the route and appearances of the country through which the Arctic Land Expedition passed, from Great Slave Lake to the polar sea. (Royal Geographical Society. Journal, 1836. v. 6, p. 1-11, fold. map)

Results of the exploration from Fort Resolution along Great Slave Lake, thence northeastward via Artillery and Alymer Lakes and Back River to Lake Franklin at the arctic coast.

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847. BACK, Sir GEORGE, 1796-1878. Arctic land expedition. (Knight's Penny Magazine, 1832. v. 1, p. 386-89, map)

Condensation of a paper read before the Royal Geographical Society outlining a plan for sending aid to the members of Ross's second voyage, by means of a relief party traveling by canoe down the Great Fish (Back) River to the arctic seas near Boothia Peninsula. Includes discussion of the probable movements and position of the Ross party, and a sketch map of the proposed route.

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848. BACK, Sir GEORGE, 1796-1878. A brief narrative of the recent voyage of H.M.S. *Terror*. (Royal Geographical Society. Journal, 1837. v. 7, p. 457-60)

"An outline of the principal events which occurred," June 1836-Sept. 1837, on an expedition recommended by the Society and carried out by the British government. Account of the *Terror* beset by ice in the Foxe Channel waters (north of Hudson Bay), with description of ice conditions.

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849. BACK, Sir GEORGE, 1796-1878. Magnetical observations. (*In:* Back, Sir G. Narrative of the Arctic Land Expedition, 1836. Appendix 8, p. 625-33)

Summary of observations on dip and variation of the magnetic needle and intensity of terrestrial magnetism, as measured at Fort Reliance and other

places between Great Slave Lake and the estuary of the Back River.

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850. BACK, Sir GEORGE, 1796-1878. Narrative of an expedition in H.M.S. *Terror*, undertaken with a view to geographical discovery on the arctic shores in the years 1836-7. London, J. Murray, 1838. vii, 450 p. front., plates, fold. map.

Expedition in H.M.S. *Terror*, commanded by Capt. Back, under auspices of British Admiralty, for purpose of completing knowledge of the coastline between Prince Regents Inlet and Turnagain Point. The ship left England June 14, 1836, traversed Hudson Strait, met ice barrier across route in August in Foxe Channel. Beset in ice, the *Terror* drifted along northeast coast of Southampton Island all winter, became freed from ice in Hudson Strait July 14, 1837, and reached an Irish port in near-sinking condition, Sept. 3.

Back's narrative contains principally detailed descriptions of the ice floe, its changes and its effects on the ship, together with brief notes on those sections of the Southampton Island coast to which short visits were made. Includes list of equipment, supplies, and personnel (p. 1-6), mention of unusual coldness of the summer of 1836 (p. 60-61, 76), and accounts of trading with Baffin Island Eskimos (p. 37-41). *Appendix* includes tables of monthly means of meteorological and compass variation observations. *Map* of Hudson Strait and north coast of Southampton Island, scale about 1:1,500,000, shows route of expedition and hachured relief of areas roughly surveyed.

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851. BACK, Sir GEORGE, 1796-1878. Narrative of the Arctic Land Expedition to the mouth of the Great Fish River, and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835. London, J. Murray, 1836. x p., 1 l., 663 [1] p. front., illus., 16 plates, fold. map.

Expedition via Montreal overland to north central Canada to succor the members of the Second Ross Expedition and incidentally to make scientific observations and survey an unknown section of arctic coast. The party traveled by canoe and portage down Slave River to Great Slave Lake, up

Hoarfrost River, through Artillery Lake, Clinton Colden Lake, and Lake Aylmer, down the Thleweechodezeth or Great Fish River (now Back River) to the arctic coast, thence along Chantry Inlet to Ogle Point. Descent of Back River was made in July and Aug. 1834.

The narrative includes descriptions of the rivers and lakes traversed; ice conditions on the waterways, and in the seas in spring and summer of 1834; general landscapes, including land forms, rock types, and plant and animal life; and the difficulties of canoe transportation. Includes two Yellowknife Indian tales (p. 167-70, 211-13), an account of founding of Fort Reliance at east end of Great Slave Lake and of starvation conditions (p. 181-255); notes on physical characteristics and facial tattooing of Netsilik Eskimos at mouth of Back River (p. 382-85); note on the decline of the Yellowknives (p. 456-57), and discussion of Hearne's journey, 1769-72, by Dr. Richardson (chap. 5).

Map, scale 1:2,500,000, shows outlines of water bodies traversed, location of striking features of the landscape, and dates of arrival of expedition at various points. Inset small-scale orientation map.

Appendix No. 1. J. RICHARDSON. Zoological remarks.

No. 2. W. J. HOOKER. List of plants collected by Mr. Richard King.

No. 3. J. G. CHILDREN. Articulata.

No. 4. W. H. FITTON. Geological notice.

No. 5. G. BACK and R. KING. Meteorological table.

No. 6. R. KING. Temperature of animals, etc.

No. 7. [G. BACK] On the aurora borealis.

No. 8. [G. BACK] Magnetical observations.

No. 9. [G. Back] A table of latitudes, longitudes, and variations of twenty places on the route (p. 634).

No. 10. Copy of letter sent by Hudson's Bay Company in London informing Back of the arrival of Ross in England.

Appendixes (except no. 9-10) appear in this bibliography under their authors' names. List of subscribers to the expedition, p. 638-63.

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852. BACK, Sir GEORGE, 1796-1878. Narrative of the Arctic Land Expedition to the mouth of Great Fish River, and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835. Paris, A. & W. Galignani & Co., 1836. 1 p. l., viii, 338 p. front. (fold map)

Reprint of London edition, with re-engraving of the original maps, but without illustrations and plates, and with only a condensed version of the meteorological tables.

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853. BACK, Sir GEORGE, 1796-1878. Narrative of the Arctic Land Expedition to the mouth of the Great Fish River, and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835. Philadelphia, E. L. Carey & A. Hart, 1836. ix, [9]-456 p. front. (fold map)

Similar to London edition, q.v., but lacks plates and detailed route map. Retains small-scale orientation map.

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854. BACK, Sir GEORGE, 1796-1878. On the aurora borealis. (*In:* Back, Sir G. Narrative of the Arctic Land Expedition, 1836. Appendix 7. p. 595-624, illus.)

Record of observations of the aurora borealis and associated vibration and deviation of the magnetic needle, from Fort Reliance, Great Slave Lake, in the winters of 1833-34 and 1834-35.

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855. BACK, Sir GEORGE, 1796-1878. On the north-eastern shore of Southampton Island. (Royal Geographical Society. Journal, 1837. v. 7, p. 460-66, fold. map)

Results of the survey carried out during the time that the H.M.S. *Terror* was beset in ice in Foxe Channel, 1836-37. Description of the coasts from Cape Bylot to Seahorse Pt. (about 65°30'-63°30'N.)

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856. BACK, Sir GEORGE, 1796-1878. Voyage dans les régions arctiques à la recherche du capitaine Ross, en 1834 et 1835; et reconnaissance du Thleweechod, maintenant Grand Rivière Back. Traduit par M. P. Cazeaux. Paris, A. Bertrand, 1836. 2 v. xii, 328, 407 p., fold. map. *Title tr.:* Voyage into the arctic regions in search of Captain Ross in 1834 and 1835, and reconnais-

sance of the Thlew-ee-choh, now the Great Back River. Translated by M. P. Cazeaux.

Translation of original London edition of Back's *Narrative of the Arctic Land Expedition*, 1836, with re-engraved copy of the original maps, but lacking all plates and parts of the sections on geology, meteorology, and aurora borealis in the appendix.

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857. BACK, Sir GEORGE, 1796-1878, and RICHARD KING, 1811?-1876. Meteorological table. (*In:* Back, Sir G. *Narrative of the Arctic Land Expedition*, 1836. Appendix 5. p. 563-89)

Table of mean, maximum, and minimum temperatures, wind direction and force, intensity of aurora borealis, and general moisture and visibility rates, for each day, Nov. 1833-May 1834, and Oct. 1834-Mar. 1835, based upon fifteen observations daily at Fort Reliance, at the eastern end of Great Slave Lake.

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BACK, Sir GEORGE, 1796-1878, *see also* Christie, S. H. Discussion of magnet. observ. by Back. 1836.

BACK, Sir GEORGE, 1796-1878, *see also* Fitton, W. H. Geol. notice (Back land exped. 1833-35). 1836.

BACK, Sir GEORGE, 1796-1878, *see also* Franklin, Sir J. *Narrative journey* 1819-22. 1823.

BACK, Sir GEORGE, 1796-1878, *see also* Huish, R. *Narrative of the voyages & travels of Capt. Beechey & Back*. 1836.

BACK, Sir GEORGE, 1796-1878, *see also* King, R. *Narrative journey* 1833-35 under Back. 1836.

BACK, Sir GEORGE, 1796-1878, *see also* Williams, E. *Narrative of recent voyage of Ross* 1829-33. 1835.

858. BACKER, OLE FRIELE. Seal hunting off Jan Mayen. (*National geographic magazine*, Jan. 1948. v. 93, p. 57-72, incl. 11 p. of illus.)

Description of the activities of a Norwegian sealing fleet in the waters of Greenland Sea, northwest of Jan Mayen, with notes on the stormy weather around that island, the harp and hooded seal industry, and the life on a sealing vessel.

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859. BACKLUND, HELGE GÖTRIK, 1878-. *Das Alter des "metamorphen Komplexes" von Franz Josef Fjord in Ost-Grönland*. København, C. A. Reitzel, 1932. 119 p. incl. illus., tables. 7 pl. (part fold.; incl. maps). Meddelelser om Grønland, Bd. 87, nr. 4) *Title tr.*: The age of the "metamorphic complexes" in Franz Joseph Fjord, East Greenland.

Based on observations made during the Danish Expedition to East Greenland, 1930. General geological description of the region; discussions of the Caledonian granite, igneous rocks of the Caledonian evolutionary stage, the sub-Cambrian "tillite" and the surface of contact in the inner fiord region; chemical analyses of some crystalline rocks; also summary, conclusion and notes on two maps.

Maps: geological maps, scale 1:150,000, of (1) the Wordie Glacier and vicinity; (2) the inner part of Muskox Fjord. *Copy seen:* DLC.

860. BACKLUND, HELGE GÖTRIK, 1878-. *Die Arktis*. (Geologische Jahresberichte, 1937-38, pub. 1940. Bd. 2, B. Regionale Geologie 1, p. 1-20) *Title tr.*: The Arctic.

A review of published works which appeared during 1937-38, on (1) Novaya Zemlya, (2) the eastern Arctic, (3) western Arctic, (4) Greenland, (5) Svalbard, and (6) Franz Josef Land. *Copy seen:* DGS.

861. BACKLUND, HELGE GÖTRIK, 1878-. *Arktisk forskning vid Sibiriens nordspets*. (Ymer, 1925. Årg. 45, p. 495-508, illus., maps) *Title tr.*: Arctic research at the northernmost point of Siberia.

Discussion of the exploration, map and physical geography of Nikolai Land (i.e. northern part of the Taymyr Peninsula) *Copy seen:* DLC.

862. BACKLUND, HELGE GÖTRIK, 1878-. *Astronomicheskiiā opredeleniā O. O. Baklunda; obrabotal V. E. Fus. Petrograd, 1915. 113 p., illus., tables. (Khatangskaiā ekspeditiā, 1905. Trudy. vyp. 2. Pub. as. Vsesoiūnoe geograficheskoe obshchestvo. Zapiski po obshchei geografii. T. 48, vyp. 2)* *Title tr.*: Astronomical determinations by O. O. Backlund, calculated by V. E. Fus.

Report on determinations made as part of a systematic survey of the

route (Feb.-Nov. 1905), of the Khatanga Expedition. Observations and calculations of latitude (p. 8-29), time (p. 29-73), longitude (p. 74-94), with discussion of instruments and methods (p. 2-8, 94-111). Results for forty-four localities from 65°55'N. (Turukhansk) to 73°54'N. and 88° to 113°E., mainly along the Khatanga River, its gulf and tributaries (Moyero, Kotuy Rivers), and upper Anabar River (p. 112-13). *Copy seen:* DLC.

863. BACKLUND, HELGE GÖTRIK, 1878- . Contributions to the geology of northeast Greenland. (*In:* Østgrønlandske expedition til Kong Christian den X's land, 1929. Preliminary report, no. 2. *Pub.* in Meddelelser om Grønland. 1930. Bd. 74, p. 207-295, illus., 2 col. maps)

Contents: Geological problems of the coast strip (73°-76°N.) 2. The junction between Archaean and the orogenic zone. 3. The "Archaean" of the inner fiord region. 4. The eastern tracts of metamorphic rocks and their granites. 5. The tectonics of the Eleonore Bay formation. 6. Some prominent features of post-"Caledonian" evolution. 7. The fiord-making of northeast Greenland. *Copy seen:* DLC.

864. BACKLUND, HELGE GÖTRIK, 1878- . Les diabases du Spitzberg oriental. [*St. Pétersbourg, Académie Impériale des Sciences, 1907.*] 3 p. l., 29 p. 4 plates (incl. map). (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe. T. 2, Physique terrestre, météorologie, histoire naturelle, sec. 9, B. Géologie, 1) *Title tr.:* The diabases of eastern Spitsbergen.

Results of investigations made during the Russian expedition to measure an arc of meridian on Spitsbergen. A brief sketch of the diabase rocks of Svalbard as a whole; a detailed description of those of the region of Star Fiord, including Edge and Barents Islands, giving results of a petrographic and chemical study; and remarks on contact phenomena. *Copy seen:* DLC.

865. BACKLUND, HELGE GÖTRIK, 1878- . Ekspeditsiia br. Kuznetsovykh na poliarnyi Ural lietom 1909 g. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1910. T. 46, p. 35-51, 3 plates) *Title tr.:* The expedition of the

brothers Kuznetsov to the arctic Urals in the summer of 1909.

A speech delivered before the Geographical Society giving a general account of this expedition, initiated and financed by Nikolai Grigor'evich and Grigorii Grigor'evich Kuznetsov, and led by the author "under the protection" of the Academy of Sciences, for the exploration (from the viewpoint of the natural sciences) of the Ural region north of the Arctic Circle, roughly the Kara River - Baydaratskaya Bay - Shchuchaya River region, during May-Oct. 1909. *Copy seen:* DLC.

866. BACKLUND, HELGE GÖTRIK, 1878- . F. N. Chernyshev i gradusnoe izmierenie na Spitsbergenie. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1914. T. 50, p. 445-54) *Title tr.:* F. N. Chernyshev and the degree measurements on Spitsbergen.

On Chernyshev, the leader of the Russian section of the Swedish-Russian Expedition for the Measurement of an Arc of the Meridian, and on the work of that section (1899-1901). *Copy seen:* DLC.

867. BACKLUND, HELGE GÖTRIK, 1878- . Fjordbildningsproblemet i NO-Grönland. (Geologiska foreningen, Stockholm. Föreläsningar, 1931. Bd. 53, p. 60-66) *Title tr.:* The problem of the formation of the fiords in northeast Greenland.

Reply to O. Kulling's *Bidrag til fjordarnas uppkomst och utvecklings historia inom nordöstra Grönland* 1930, q.v., which challenged the author's lecture on the origin and age of the East Greenland fiords. The subject is also discussed by Backlund in chapter five of his *Contributions to the geology of northeast Greenland*, 1930, q.v. Kulling continued the discussion in his *De nordöstgrönlandska fjordarnas problem*, q.v. *Copy seen:* DLC.

868. BACKLUND, HELGE GÖTRIK, 1878- . Gormyia porody poliarnago Urala i ikh vzaimnyiia otnosheniia. Chast' 1. Vostochnyi sklon v oblasti r. r. Khanema i Kharava. *St.-Petersbourg, 1912. iv. 151 p. illus., 2 plates (1 col.), 1 fold. sketch map.* (Ekspeditsiia brat'ev Kuznetsovykh na poliarnyi Ural, 1909. Rezultatsy scientificques. Livr. 3. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathé-

matique, vol. 28, no. 3) *Title tr.*: The rocks of the arctic Urals and their mutual relationship. Part I. The eastern slope in the region of the Khanema and Kharava Rivers.

The nature of the rocks collected by the Kuznetsov Expedition, described by its leader on the basis of microscopic and chemical analyses, with some conclusions concerning the stratigraphy of the region.

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869. BACKLUND, HELGE GÖTRIK, 1878- . Kristallicheskie porody s severnogo poberezh'ia Sibiri. II. Kristallicheskie porody Taïmyra. Leningrad, 1929. [2], 2 l., 148 p., 1 l., illus., 6 plates, 1 col. fold. map, tables. (Russkaiâ poliarnaiâ ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. C, livr. 7. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 21, no. 7) *Title tr.*: Crystalline rocks from the northern coasts of Siberia. II. Crystalline rocks of Taymyr.

Contains a brief geological and topographical sketch of the coast from the Pyasina River to Cape Chelyuskin. Petrographic description of varieties of granite, schist, gneiss, phyllite, and hornfels, with chapter on geology of Cape Chelyuskin. Conclusions. *Map* (1916), scale 1:1,494,000, shows distribution of rocks. *Copy seen:* DGS.

870. BACKLUND, HELGE GÖTRIK, 1878- . Kristalline Gesteine von der Nordküste Sibiriens. I. Die Diabase der Kusjkin-Insel. St.-Petersbourg, 1910. 2 p. l., 38 p. 2 plates. (Russkaiâ poliarnaiâ ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. C, livr. 6. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématiques, vol. 21, no. 6) *Title tr.*: Crystalline rocks of the north coast of Siberia. 1. Diabase of Kuz'kin Island.

Contains a geographic sketch of Dikson Island and its group, a detailed petrographic description of three types of diabases, and a supplementary note on petrography of some erratics from the west coast of Taymyr Peninsula, and a diabase from Scott Hansen Islands (75°12'N. 86°22'E.)

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871. BACKLUND, HELGE GÖTRIK, 1878- . Die Magmagesteine der Geosynklinale von Nowaja Semlja. Oslo,

1930. 63 p., 1 l., 5 plates, tables. (Norske Novaja Semlja ekspeditsjon, 1921. Report of the scientific results. No. 45) Published by Det Norske videnskaps-akademi, Oslo (Videnskapselskapet i Kristiania). *Title tr.*: The magmatic rocks of Novaya Zemlya's geosyncline.

Contains discussion of occurrences, and description of petrographic characteristics, chemistry and geologic position of the granites, igneous rocks, and gangues; bibliography (32 items).

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872. BACKLUND, HELGE GÖTRIK, 1878- . Magnitnyiâ opredeleniia. Petrograd, 1915. 15 p. illus., tables. (Khatangskaiâ ekspeditsiia, 1905. Trudy. Vyp. 1. *Pub.* as: Vsesoiuznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii. T. 48, vyp. 1) *Title tr.*: Magnetic determinations.

Instrumentation, methods, and results obtained in magnetic determinations (declination) at twenty-two locations in the Khatanga and Anabar River basins, during the Khatanga expedition, Jan.-Sept. 1905. Tables show plans of the settlements, Essey-Tserkov' (Yessey, 68°30'N. 102°06'E.) and Khatanga (71°59'N. 102°28'E.)

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873. BACKLUND, HELGE GÖTRIK, 1878- . Nefelinovyi bazalt (onkilonit) s Siëvernago Ledovitago okeana. (Akademiia nauk SSSR. Bulletin, mars, 1915. Sér. 6, t. 9, p. 289-308, tables) *Title tr.*: Nepheline-basalt (onkilonite) from the Arctic Ocean.

Microscopic and chemical analysis of ten specimens from Vil'kitsky Island (75°42'N, 152°36'E.) Analysis of component minerals. Probable relation of the onkilonite to rocks of adjoining areas. Nomenclature of effusive rocks.

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874. BACKLUND, HELGE GÖTRIK, 1878- . Nïeskol'ko dannyykh k poznaniu ostrova Uedineniia. (Akademiia nauk SSSR. Bulletin, juin, 1916. Sér. 6, t. 10, p. 913-19) *Title tr.*: Some data toward knowledge of Uyedineniya Island.

Description of the island (in Kara Sea, about 77°28'N. 82°28'E.) by Dr. I. I. Trzhemeskii of the Sverdrup Expedition, which investigated it in Aug. 1915; list of rocks; discussion of the geology on the basis of rocks and fossils

brought back by this and other expeditions.

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875. BACKLUND, HELGE GÖTRIK, 1878- . Der nördlichste Rand Asiens. (Geologische Rundschau, 1932. Bd. 23, p. 13-23) *Title tr.:* Asia's northernmost rim.

Discussion of the geologic structure of the region between the Lena and Yenisey Rivers, and especially the Taymyr Peninsula; with a bibliography.

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876. BACKLUND, HELGE GÖTRIK, 1878- . Novye materialy k poznaniyu ostrova Benneta. (Akademiya nauk SSSR. Bulletin, mai, 1914. Sér. 6, t. 8, p. 617-18) *Title tr.:* New information on Bennett Island.

Brief description of geologic specimens, collected by Baron von Toll on the island (in New Siberian Sea about 76°40'N. 149°24'E.) in 1902, left there on his fatal attempt to return to the mainland in November, and brought back by Vilkitskiy (1913).

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877. BACKLUND, HELGE GÖTRIK, 1878- . Observations dans le Spitzberg central. [St.-Petersbourg, Académie Impériale des Sciences, 1908] 3 p. l., 28, [1] p. 4 plates (incl. fold. map) (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe. T. 2, Physique terrestre, météorologie, histoire naturelle, sect. 9, Géologie, 2) *Title tr.:* Observations in central Spitsbergen.

Results of investigations, made during the Russian Expedition to Measure an Arc of Meridian on Spitsbergen, on the inland ice between the east end of Klaas Billen Bay and Stor Fiord (about 78°30'-40'N.)

Contains description of the topographic profile of the region studied in eastern West Spitsbergen, its western slope, ice divide, and eastern slope, the angles of incidence of the icecap, its three zones, and some definitions of characteristics of inland ice, drawn from the works of many writers. Includes some observations on the geology of the same region, describing Mt. Terrier, the Chydenius and Svanberg massifs and the tectonic lines. *Map:* topographic map, scale 1:168,000, shows diluvial outcrops and existing moraines.

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878. BACKLUND, HELGE GÖTRIK, 1878- . Obschchiy obzor dñatel'nosti èkspedit'sii br. Kuznet'sovykh na poliarniy Ural lietom 1909 goda. St.-Petersbourg, 1911. v, 124 p. illus., 8 plates (2 fold.), 2 maps (1 col. fold.). (Èkspedit'siya brat'ev Kuznet'sovykh na poliarniy Ural, 1909. Résultats scientifiques. Livr. 1 *Pub. as:* Akademiya nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, no. 1) *Title tr.:* A general survey of the activities of the Kuznetsov brothers' Expedition to the arctic Ural in the summer of 1909.

Chronological account, similar to a journal, by the leader of the expedition with a sketch of the work of his predecessors. Detailed description of territory traversed mainly from the physico-geographical point of view. Route: Tyumen' - Obdorsk (i.e. Salekhard) - upper Khanema River - upper Shchuch'ya River - Shchuch'e Lake - upper Pyderata (i.e. Baydarata) River and Mt. Minisei, across the tundra to mouth of Kara River, across Karagansale and Pè-mal Tundras back to Obdorsk (Salekhard). *Maps:* topographic route maps of the expedition, scale 1 inch: 10 verst; second map is a reduced black and white copy of the first.

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879. BACKLUND, HELGE GÖTRIK, 1878- . On fossil plants from Solitude (Ensomhed) Island. (Geologiska föreningen, Stockholm. Förhandlingar, 1916. Bd. 38, p. 265-66)

The collection of silicified and carbonized wood brought home by the O. N. Sverdrup auxiliary expedition, 1914-15, proved to be of Upper Jurassic age, thus showing Solitude, or Lonely, Island (ostrov Uyedineniya, in Kara Sea about 77°28'N. 82°28'E.) to be a connecting link between continental deposits to the west and the sediments of the same age to the east.

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880. BACKLUND, HELGE GÖTRIK, 1878- . On the eastern part of the arctic basalt plateau. Åbo, 1921. 53 p. illus. (Åbo. Akademi. Acta. Mathematica et physica. 1, no. 2)

Contents: Geological features of the plateau. New evidences of arctic volcanic action. Petrographic (mineralogical) descriptions of rocks and analyses. (Basalts from Bennett and Vilkitskiy

Islands of the De Long archipelago, New Siberian Sea, and the Pechora Plain). Mode of extrusion of the eastern basalts. *Copy seen:* DSI-M.

881. BACKLUND, HELGE GÖTRIK, 1878-. Petrogenetische Studien an Taimyrgesteinen. (Geologiska föreningen, Stockholm. Förhandlingar, 1918. Bd. 40, p. 101-203, plate) *Title tr.:* Petrogenic studies on the rocks of Taymyr Peninsula.

A petrographic study based on rocks collected in 1900-1902 by Baron von Toll during the Russian arctic expedition, from the area between 75°-79°N. 84°-107°E., the upper Taymyr Peninsula and lower Severnaya Zemlya.

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882. BACKLUND, HELGE GÖTRIK, 1878-. Der postkaledonische paläozoische Vulkanismus in Ostgrönland. (Geologische Rundschau, Okt. 1937. Bd. 28, p. 407-412) *Title tr.:* The post-Caledonian Paleozoic vulcanism in East Greenland.

Note on structural geology, based on a study of the rocks in the Franz Joseph Fiord region. *Copy seen:* DGS.

883. BACKLUND, HELGE GÖTRIK, 1878-. Probleme der arktischen Plateaubasalte. Berlin, Borntraeger, 1942. p. 1, 18 p. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis, Nr. 3) *Title tr.:* Problems of the arctic plateau basalts.

Contains a statement of the concept that the Thule basalts at one time spread over the whole Skandik Sea area (east of Greenland), and that remains of portions of them, rising above sea level, as a result of great dislocations and extensive subsidence, are established at the present time as dismembered basalt plateaus. Includes discussion of the petrologic, geologic, spatial, tectonic and thermal problems of this concept.

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884. BACKLUND, HELGE GÖTRIK, 1878-. Skapolit s rfeki Kandy. (Akademii nauk SSSR. Bulletin, jan., 1917. Sér. 6, t. 11, p. 19-26, tables) *Title tr.:* Scapolite from the Kanda River.

Optical and chemical analyses of specimens, and speculation on the origin of the mineral. *Copy seen:* DLC.

885. BACKLUND, HELGE GÖTRIK, 1878-. Tektonik och isostasi på Spetsbergen. (Geologiska föreningen, Stockholm. Förhandlingar, 1921. Bd. 43, p. 397-402, illus.) *Title tr.:* Tectonics and isostasy on Spitsbergen.

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886. BACKLUND, HELGE GÖTRIK, 1878-. Über die Lagerungsbedingungen eines Torffundes in NO-Grönland. København, C. A. Reitzel, 1931. (24 p., 1 l. illus., sketch map). (Meddelelser om Grönland. Bd. 87, nr. 1) *Title tr.:* On the finding of a peat formation in North Greenland.

Contains description of a peat formation observed in the Franz Joseph Fiord region by the Danish expeditions to East Greenland in 1929 and 1930; the geology of the region, traces of older shore lines, remarks on changes of shore lines; bibliography, p. 25.

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887. BACKLUND, HELGE GÖTRIK, 1878-. Über einige Diabase aus arktischem Gebiet. (Mineralogische und petrographische Mitteilungen, 1908. Neue Folge, Bd. 26, p. 357-90) *Title tr.:* On some diabases from the arctic region.

A mineralogical and petrographic study, and comparison of rocks from West Spitsbergen, King Karl's Land, and Franz Josef Land.

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888. BACKLUND, HELGE GÖTRIK, 1878-. Über einige Olivinknollen aus der Lava von Wood-Bay Spitzbergen. Kristiania, J. Dybwad, 1911. 11 p. (Norske videnskaps-akademi. Skrifter. I. Matematisk-naturvidenskapelig klasse, Oslo. 1911. No. 16) *Title tr.:* On some olivine rocks from the lava of Wood Bay, Spitsbergen. Issued also as: Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques, 1916. T. 2, no. 4.

Study of the chemical composition and optical constants of samples collected in 1910 on the west side of Bock Bay (in Wood Bay).

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889. BACKLUND, HELGE GÖTRIK, 1878-, and D. MALMQUIST. Zur Geologie und Petrographie der nordostgrönländischen Basaltformation. Teil I. Die basische Reihe. København, C. A. Reitzel, 1932. 61 p. 6 plates, 1 col. fold, map. (Meddelelser om Grönland. Bd. 87,

nr. 5) *Title tr.*: On the geology and petrography of the basalt formations of East Greenland. Part 1. The basic range.

As a result of observations made during the Danish expeditions to East Greenland in 1929, 1930, and 1931, author gives (1) geological description of East Greenland (about 72°-74°30'N.) with special regard to Clavering Island; (2) mineralogic-petrographic description of the rocks; (3) summary of the paragenesis of the minerals of the East Greenland basalt; (4) chemical analysis; bibliography, p. 60-61.

Map: geological map of the eastern part of Clavering Island, scale, 1:10,000.

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890. BACKLUND, HELGE GÖTRIK, 1878-, and **D. MALMQVIST**. Zur Geologie und Petrographie der nordost-grönländischen Basaltformation. II. Die sauren Ergussgesteine von Kap Franklin. København, C. A. Reitzel, 1935. 82 p. illus., 8 plates, fold. map. (Meddelelser om Grønland. Bd. 95, nr. 3) *Title tr.*: On the geology and petrography of the basalt formation in northeast Greenland. II. The acid igneous rocks at Cape Franklin.

Summary of the geology of Cape Franklin, southern tip of the Gauss Peninsula (East Greenland, 73°15'N. 22°W.), and discussion (based on investigations made during the Danish Three-Year Expedition, 1931-1934) of the physical and chemical properties of the rocks; bibliography (44 items).

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891. BACKLUND, HELGE GÖTRIK, 1878-, and **I. P. TOLMACHOFF**. Zametka o gornyykh porodakh, sobranykh v 1913 g. Gidrograficheskoi ekspeditsii Siëvernago Ledovitago okeana. (Akademiia nauk SSSR. Bulletin, juin, 1914. Sér. 6, t. 8, p. 727-36, illus., sketch map) *Title tr.*: A note on rocks collected in 1913 by the Arctic Ocean Hydrographic Expedition.

Descriptions of Vil'kitsky Island, Vstrechnyy Island, Pronchishevoy (Lapteva) Bay, Komsomol'skoy Pravdy (Sv. Samuila) Islands, Malyy Taymyr (Tsesarevich Aleksey) Island, Severnaya Zemlya (Zemlya Imp. Nikolaya II), Cape Chelyuskin, and Cape Paksa (Nordvik), as reported by Dr. Starokadomskii, with brief discussion of the rocks which he collected (by localities).

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BACKLUND, HELGE GÖTRIK, 1878-, see also Kolloquium über Arktis, 1930. Vorträge. 1930.

BACKLUND, HELGE GÖTRIK, 1878-, see also Seidenfaden, G. Notes on map E. Greenland 73°-74°50'N. 1931.

892. BACKLUND, OSKAR 1846-1916. Astronomische Ortsbestimmungen im nördlichen Russland. (Akademiia nauk SSSR. Bulletin, 1892. Sér. 4, t. 2, p. 367-80) *Title tr.*: Astronomical determinations of position in northern Russia.

Results of determinations made in 1890, for the Russian government, in connection with a geological survey of the Timan region. Discussion and data on latitude and longitude of points in the region between Arkhangelsk and Mezen.

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893. BACKLUND, OSKAR, 1846-1916. L'éclipse totale de soleil du 27 Juillet (8 août) 1896. Observations à Malaya Karmakouly, Nouvelle Zemle. (Akademiia nauk SSSR. Bulletin, jan. 1897. Sér. 5, t. 6, p. 1-7) *Title tr.*: The total eclipse of the sun of July 27 (Aug. 8), 1896. Observations made at Malye (Little) Karmakuly, Novaya Zemlya.

A report by a member of the astronomical party of the Russian Imperial Academy of Sciences' Expedition to Novaya Zemlya, 1896. Includes remarks on instruments, methods of reduction of the observations, and the weather during the eclipse, with a description of the appearance of the sky, and a few data.

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894. BACKLUND, OSKAR, 1846-1916. Réseau de la base. [St. Pétersbourg, Académie Impériale des Sciences, 1904.] 2 p. l., 34, [1] p. incl. tables, fold. plate, fold. map. (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe, T. 1, Géodésie, sect. 3, C) *Title tr.*: Network of the base.

The Russian Expedition to Measure an Arc of Meridian on Spitsbergen, had its triangulation base between Whales Point and Mt. Siegel on Edge Island. This paper is a detailed study of the network of that base, containing observations of horizontal angles, compensation of the network, and the distance between certain markers.

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895. BACKMAN, ALBIN L. En botanisk resa i Kuusamo sommaren 1902. (Societas pro fauna et flora fennica. Meddelanden 1902-1903, pub. 1904. Häfte 29, p. 111-17) *Title tr.*: a botanical trip to Kuusamo in the summer of 1902.

Contains an account of a trip to the Kuusamo (65°58'N. 29°5'E.) region of northeastern Finland, with floristic notes on the vegetation and various plants, and a list of species new for the region or otherwise noteworthy.

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896. BACKMAN, ALBIN L. En botaniska resa i norra Kuusamo sommaren 1908. (Societas pro fauna et flora fennica. Meddelanden, 1908-1909, pub. 1909. Häfte 35, p. 197-202) *Title tr.*: A botanical trip to northern Kuusamo in the summer of 1908.

Contains an account of the author's trip to northern section of the Kuusamo region of Finland, with notes on the vegetation and various species of plants.

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897. BACKMAN ALBIN L. Floristiska meddelanden från Kuusamo. (Societas pro fauna et flora fennica. Meddelanden, 1913-1914, pub. 1914. Häfte 40, p. 159-61) *Title tr.*: Floristic notes from Kuusamo.

Contains floristic notes on twenty species of flowering plants and vascular cryptogams collected or observed in Kuusamo region of Finland during a trip in 1909.

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BADE, W., see Koldewey, K., & others. Gemeinschaftliche Reise beiden Schiffe u. Hansa. 1873.

BADE, WILLIAM FREDERIC, 1871-1936, see Muir, J. Life & letters of J. Muir. 1924.

898. BADEN-POWELL, D. F. W. On further collections of Quaternary fossils from Spitsbergen. (Geological magazine, Aug. 1939. v. 76, p. 337-47)

Lists of fossils collected by (1) Oxford University Expedition to Ellesmere Land, 1934-35; (2) Cambridge Expedition to Edge Island, 1927; (3) Scottish Spitsbergen Syndicate Expedition, 1920; (4) Oxford University Arctic Expedition, 1924; (5) Oxford University Spitsbergen Expedition, 1933; and (6) Oxford University Arctic Expedition, North East Land, 1935-

36; with paleontological notes, and a bibliography.

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BADEN-POWELL, D. F. W., see also Elton, C. S., & D. F. W. Baden-Powell. On a collection of raised beach fossils Spitsbergen. 1931.

899. BADEN-POWELL, Sir GEORGE SMYTH, 1847-1898. Total eclipse of the sun, 1896.-The Novaya Zemlya observations. (Royal Society of London. Philosophical transactions, 1897. Ser. A, v. 190, p. 197-204, 2 plates)

The author took a British party of observers to the Karmakuly region in his yacht *Octaria*, July-Aug. 1896. He gives here a brief account of the outfitting, voyage, observational methods and instrumentation. Appended is:

Wesley, W. H. On the photographs of the corona obtained at Novaya-Zemlya (p. 202-204).

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900. BADER, F. F. Soobshchenie o rabotakh na ust'e Eniseia. (Vsesoiznoe geograficheskoe obshchestvo. Izvestiia, 1939. T. 71, vyp. 4, p. 580-601, illus., 2 maps, diags.) *Title tr.*: A report on the work at the mouth of the Yenisey River.

Results of a study made in the summer of 1936, for the Northern Sea Route Administration, of river discharge, currents, water temperature, and variation of level for the river from its mouth to Cape Dorofeevskii (about 71°25'N.) Bibliography (20 items).

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901. BADER, F. F. Temperatura vody nizhnego Eniseia. (Meteorologiya i gidrologiya, no. 5-6, May-June 1940. T. 6, p. 71-78, tables) *Title tr.*: Water temperature of the lower Yenisey River.

A summary and analysis of the river temperature measurements at Ust' Yeniseyskiy Port for the months of June through October during 1927-1937. Bibliography (7 items).

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902. BADIGIN, K. S. Na dreifuishchem korable. (Sovetskaya Arktika, 1939, no. 3, p. 44-53, illus.) *Title tr.*: On the drifting ship.

Brief account of scientific work and daily life aboard the ice-breaker, *Sedov*, broadcast by its captain at the end of its second winter drifting westward in the Arctic Basin.

Following this is another article *Dreif "Sedova" (Sedov Drift)* p. 54-64, illus., discussing the significance of the drift, and including a log of the drift during the period Sept. 3, 1938-Mar. 1, 1939. **Copy seen:** DLC.

903. BADIGIN, K. S. Na korable "Georgii Sedov" cherez Ledovityi okean; zapiski kapitana. Nauchnaia redaktsiia N. N. Zubova. Moskva, Izdvo Glavsevmorputi, 1941. 605, [1] p. illus., ports, plans, maps (incl. fold.) diagrs., tables. (Zapiski o zhizni i rabote na ledokol'nom parokhode "Georgii Sedov", dreifovavshem s 23 oktiabria 1937 g. po 13 ianvaria 1940 g. v Severnom Ledovitom okeane, sostavlennye chlenami ekipazha. Kn. I) **Title tr.:** Aboard the *Georgii Sedov* through the Arctic Ocean; the captain's notes. N. N. Zubov, scientific editor. (Notes on life and work on the ice-breaker *Georgii Sedov*, which drifted from October 23, 1937, to January 1940, in the Arctic Ocean, prepared by its crew. Book I.)

Narrative of everyday life on board the *Sadko*, 1937-38, of which author was second-in-command till its liberation, Aug. 1938, then on the ice-bound *Sedov* (of which he became captain) till its liberation, Jan. 13, 1940, and the voyage home. He gives detailed descriptions of the voyage of the *Sadko*, *Malygin* and *Sedov*, the achievements of their missions, and the navigational mistakes which resulted in the ships' becoming beset in ice near the New Siberian Islands (about 75°17'N. 132°28'E.), the drift westward; efforts to make landing fields for airplanes on the ice; rescue by plane of passengers from the ships; liberation of the *Sadko* and *Malygin* by the ice-breaker *Ermak*, Aug. 1938, at about 83°4'N. 138°22'E.; continuation of the *Sedov's* drift westward across the Arctic Basin and organization of the scientific work aboard ship; day-to-day life during the drift till the liberation of the *Sedov* by the ice-breaker *J. Stalin*, Jan. 13, 1940, at about 80°18'N. 1°30'E.

Includes preliminary summary of the results of scientific work aboard the *Sedov* (p. 546-601): data on depths and bottom characteristics, remarks on ocean temperature at different levels, air temperature (monthly mean, maximum and minimum, and comparison with records from other drifts); at-

mospheric pressure (monthly mean, maximum and minimum); severity of weather; auroras; thickness of ice; wind (frequency, velocity, direction, wind roses); drift of ice fields, relation between drift and wind, also drift and atmospheric pressure; comparative analysis of the *Sedov's* drift with that of the *Fram* 1893-96, and the ice floe drifting station "North Pole", 1937-38.

Appendix: Astronomical determinations made during the drift of the *Sedov*, Sept. 1938-Jan. 1940, p. 602-606. **Copy seen:** DLC.

904. BADIGIN, K. S. Nashi meteorologicheskie nabljudeniia. (Sovetskaiia Arktika, 1940, no. 10, p. 49-57, illus., table) **Title tr.:** Our meteorological observations.

Account, by the ship's captain, of scientific work aboard the drifting ice-breaker *Sedov*, 1937-40; the working conditions, lack of instruments, the surmounting of difficulties, etc.

Copy seen: DLC.

905. BADLAM, ALEXANDER. The wonders of Alaska. San Francisco, Bancroft Co., 1890. vii p. 1 l., 152 p. 30 plates, 8 maps. 2d ed. rev., pub. 1890 (148 p.); 3d ed. rev., pub. 1891 (154 p.) with no important changes or additions.

Description of the scenery, glaciers and natives, with notes on the history of Alaska.

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BÄBLER, EMIL, see Haberbosch, P. Süßwasser-Entomotracer Grönlands. 1920.

BÄBLER, EMIL, see Quervain, A. de, & A. Stolberg. Durch Grönlands Eiswüste, 1909. 1911.

906. BÄCKSTRÖM, HELGE MATIAS, 1865-1932. Beiträge zur Kenntniss der isländischen Liparite. (Geologiska föreningen, Stockholm. Föreläsningar, 1891. Bd. 13, p. 637-82) **Title tr.:** Contribution to the knowledge of Icelandic liparites.

Contents include remarks on occurrence of basalt formations on West Spitsbergen and in the vicinity of Cape York, northwest Greenland.

Challenged by A. G. Nathorst in: *Einiges über die Basalte des arktischen Gebietes; eine Berichtigung*, 1892, q. v.

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907. BÄCKSTRÖM, HELGE MATIAS, 1865-1932. Ein Kugelgranit von Spitzbergen. (Geologiska föreningen, Stockholm. Förhandlingar, 1905. Bd. 27, p. 254-59, plate) *Title tr.*: A block of concretionary granite from Spitzbergen.

Based on observations made during the Swedish-Russian Expedition to Spitzbergen for the Measurement of an Arc of the Meridian, 1898-1902. Description of a granite block on Chermiside Island (near the north coast of Northeast Land), containing concretions of oligoclase and the base granite. Summary in Swedish.

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908. BAEK, KURT HENRY, 1909-. Radio-technical observations in lat. 76°56'1"N. and long. 20°18'2"W. København, C. A. Reitzel, 1943. 55 p. incl. illus. (incl. map, plan, diagrs.) tables. (Meddelelser om Grønland. Bd. 127, nr. 2)

Results of the Danish Northeast Greenland Expedition, 1938-39, which was based at Mørke Fiord. Description (in detail) of the radio equipment, and of the radio and lighting installation at the winter station; summarized account of working conditions at the station, and an abstract of the station log, Oct. 1938-Aug. 1939; with discussion of reception conditions.

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909. BÄNNINGER, M., and others. Entomologische Ergebnisse der schwedischen Kamchatka-Expedition 1920-1922. 18. Carabidae. [Stockholm, 1929] 5 p. (Arkiv för zoologi. Bd. 20B, no. 4) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22. 18. Carabidae. Other authors: F. Netolitsky and E. Schaubberger.

Lists, with locations and some notes, of thirty-five horned beetles.

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910. BAER, KARL ERNST von, 1792-1876. Anatomische und zoologische Untersuchungen über das Wallross (*Trichechus rosomarus*) und Vergleichung dieses Thiers mit andern See-Säugethieren. (Akademiā nauk SSSR. Mémoires, 1838. Sér. 6, Sciences naturelles, t. 2, Zoologie et physiologie, p. 97-236, fold. map) *Title tr.*: Anatomical and zoological study of the walrus (*Trichechus rosomarus*) and a compar-

ison of this animal with other marine mammals.

Contains a detailed account of the appearance, anatomy, migrations, past and present-day arctic distribution of the walrus, and some remarks on other marine mammals. *Copied seen:* DSI.

911. BAER, KARL ERNST von, 1792-1876. Bericht über die neuesten Entdeckungen an der Küste von Nowaja-Semlja. (Akademiā nauk SSSR. Bulletin scientifique, 1837. T. 2, p. 137-71, fold. map) *Title tr.*: Report on the most recent discoveries on the coasts of Novaya Zemlya.

Written just prior to an expedition to Novaya Zemlya and Lapland in 1837, by A. K. Ziwołka and the author. A summary of the early 19th century voyages, and their contributions to knowledge of the shores, the ice conditions and related navigational problems of the Novaya Zemlya waters, especially the passages into the Kara Sea. *Copied seen:* DLC.

912. BAER, KARL ERNST von, 1792-1876. Bericht über die Reise des Herrn von Middendorff. (Akademiā nauk SSSR. Bulletin, 1844. Sér. 2, t. 2, p. 140-60) *Title tr.*: Report on Middendorff's travels.

Preliminary report to the Academy of Sciences, St. Petersburg, of the activities during the summer of 1843, communicated by letter from A. T. von Middendorff. Includes ground temperature measurements made between Krasnoyarsk (56°02'N. 92°48'E.) and Turukhansk (65°47'N. 87°54'E.)

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913. BAER, KARL ERNST von, 1792-1876. Expédition à Novaia Zemlia et en Laponie. Premier rapport. (Akademiā nauk SSSR. Bulletin scientifique, 1837. T. 2, p. 315-19) *Title tr.*: Expedition to Novaya Zemlya and Lapland. First report.

A letter to the Academy of Sciences, St. Petersburg, dated from Arkhangelsk, June 17, 1837, reporting on collections made for the Academy's museum by the expedition's three members, detained in that region because of ice conditions in the White Sea.

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914. BAER, KARL ERNST von, 1792-1876. Expédition à Novaia-Zemlia et en Laponie. (Akademiā nauk SSSR.

Bulletin scientifique, 1838, T. 3, p. 96-107) *Title tr.*: Expedition to Novaya Zemlya and Lapland.

This expedition of June-Sept. 1837, under the direction of A. K. Ziwolka, with K. E. Baer and H. Lehmann, visited briefly the south and east coasts of Kola Peninsula, and proceeded to Novaya Zemlya, where members conducted investigations in natural history and meteorology in the regions of Matochkin Shar and Kostin Shar until Aug. 31, then returned via Fisher (Ribachiy) Peninsula, northern Kola.

This letter to the Academy of Sciences, St. Petersburg, dated from Arkhangelsk, Sept. 17, 1837, gives an account of the party's trip and work, and serves as an introduction to the scientific reports which appear as the author's *Expédition à Novaya Zemlia et en Laponie. Tableau physique* (etc.), 1838, q. v. *Copy seen:* DLC.

915. BAER, KARL ERNST von, 1792-1876. *Expédition à Novaya Zemlia et en Laponie. Tableau physique des contrées visitées* (Akademiia nauk SSSR. Bulletin scientifique, 1838. T. 3, p. 132-44, 151-59, 171-92, 343-52) *Title tr.*: Expedition to Novaya Zemlya and Lapland. Physical description of the region visited.

Text in German.

Contents tr.: 1. The coasts of the White Sea and Lapland. (General notes on the algae of the White Sea and the vegetation and tundra life of Kola).

2. Geognostic characteristics of Novaya Zemlya. (Description of the physiography and rock formations of the island).

3. Vegetation and climate of Novaya Zemlya. (Full discussion of the vegetation in relation to soil, air and ground temperature, and moisture).

4. Animal life on Novaya Zemlya. (Remarks on the insects, birds, lemmings, and foxes seen on the island, and on the walrus seals, and whales of Barents Sea, with mention of fishes). Published also as Baer's: *Schilderung des tierischen Lebens auf Novaya Zemlia*, 1839, q.v. *Copy seen:* DLC.

916. BAER, KARL ERNST von, 1792-1876. *Nachtrag des Herausgebers. (Beiträge zur Kenntnis des Russischen Reiches, 1843, Bd. 8, p. 259-72, fold. map) Title tr.*: Supplement by the edi-

tor (to A. T. von Middendorff's *Bericht über die ornithologischen Ergebnisse der naturhistorischen Reise im Lapland*, *ibid.* p. 187-258).

To the report of his companion on an expedition to Lapland in 1840, the author adds some comparative data on birds in that region derived from the observations of another ornithologist (Schrader). *Copy seen:* DLC.

917. BAER, KARL ERNST von, 1792-1876. On the frequency of thunderstorms in the polar regions. (Edinburgh new philosophical journal, Apr.-Oct. 1840. v. 29, p. 90-93) Translation of his *Sur la fréquence des orages dans les régions arctiques*; 1840, q. v. *Copy seen:* DLC.

918. BAER, KARL ERNST von, 1792-1876. On the ground ice or frozen soil of Siberia. (Royal Geographical Society. Journal, 1838. v. 8, p. 210-13)

A communication to the Society concerning one of the earliest records of permafrost, encountered during the digging of a well to a depth of 382 ft. by a merchant named Schargin at Yakutsk; also extract from a letter of Prof. Adolph Erman, Mar. 5, 1838, reporting his own observation (in 1828) of temperature of soil taken from this shaft then at the 50 ft. level. Both authors refute then current skepticism concerning the existence of ground permanently frozen to a considerable depth above a thawed layer.

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919. BAER, KARL ERNST von, 1792-1876. On the recent Russian expeditions to Novaya Zemlia. (Royal Geographical Society. Journal, 1838. v. 8, p. 411-15, map)

Abridged account of his: *Bericht über die neuesten Entdeckungen an der Küste von Nowaja-Semlja*, 1837, q.v.

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920. BAER, KARL ERNST von, 1792-1876. *Rapport adressé à la Classe par la Commission chargée de diriger les travaux de l'expédition de Sibérie.* (Akademiia nauk SSSR. Bulletin, 1845. Sér. 2, t. 3, p. 56-60) *Title tr.*: Report to the Classe [physical-mathematical section of the Imperial Academy of Sciences, St. Petersburg] by the Committee in charge of the expedition to Siberia.

Brief sketch of the plans for Middendorff's continuation of investigations in 1844, on the southeastern shore of Sea of Okhotsk. *Copy seen:* DLC.

921. BAER, KARL ERNST von, 1792-1876. Rapport fait à la Classe, au nom de la Commission de Sibérie. (Akademiia nauk SSSR. Bulletin, 1845. Sér. 2, t. 4, p. 251-53) *Title tr.:* Report to the Classe [physical-mathematical section of the Imperial Academy of Sciences, St. Petersburg] by the Commission on Siberia.

The final report of the Commission for the Middendorff Siberian Expedition, briefly summarizing the work on ground temperature and prospective research needed in the same field.

Copy seen: DLC.

922. BAER, KARL ERNST von, 1792-1876. Revision des täglichen Ganges der Temperatur in Boothia. (Akademiia nauk SSSR. Bulletin scientifique, 1842. T. 9, p. 3-9, incl. 4 p. tables) *Title tr.:* Revision of daily temperature range at Boothia.

The mean hourly temperatures at Boothia Peninsula (70°N. 91°53'W.) during the period Oct. 1829-March 1832 are revised. *Copy seen:* DLC.

923. BAER, KARL ERNST von, 1792-1876. Schilderung des tierischen Lebens auf Nowaja Zemlia. (Archiv für Naturgeschichte, 1839. Jahrg. 5, Bd. 1, p. 160-70) Translation in English, *Description of animal life in Nova Zemlia*, was published in Annals and magazine of natural history, Nov. 1839, v. 4, p. 145-54; in Edinburgh new philosophical journal, 1840, v. 28, p. 93-103; and in Calcutta journal of natural history, 1841, v. 1, p. 272-79. This paper was published originally as section 4 of Baer's *Expédition à Novaia Zemlia et en Laponie. Tableau physique des contrées visitées*, 1838, q.v.

Copy seen: DSI-M.

924. BAER, KARL ERNST von, 1792-1876. Sur la fréquence des orages dans les régions arctiques. (Akademiia nauk SSSR. Bulletin scientifique, 1840. T. 6, p. 66-73) *Title tr.:* On the frequency of thunder-storms in the arctic regions.

Translation in English was published as his *On the frequency of thunder-storms in the polar regions*, 1840, q.v.

Discussion of thunder storms as reported by earlier writers, with a general statement of the author's opinion "that no northern latitude has been attained by man in which thunder is not known to occur," an opinion contrary to that of other scientific writers of the time. *Copy seen:* DLC.

925. BAER, KARL ERNST von, 1792-1876. Temperatur-Beobachtungen, die an der Westküste von Nowaja-Semlja unter dem 74sten Grade nördl. Breite angestellt worden sind. (Akademiia nauk SSSR. Bulletin scientifique, 1840. T. 7, p. 229-48, incl. tables) *Title tr.:* Temperature observations made on the west coast of Novaya Zemlya below 74°N. latitude.

Recapitulation and summary of temperature observations made at various points in Novaya Zemlya, 1832-39.

Copy seen: DLC.

926. BAER, KARL ERNST von, 1792-1876. Thierisches Leben auf Nowaja Semlia. (Neue Notizen aus dem Gebiete der Natur- und Heilkunde, Apr. 1838. Bd. 6, p. 82-88) *Title tr.:* Animal life on Novaya Zemlya.

From section 4 of his report: *Expédition à Novaia Zemlia et en Laponie. Tableau physique des contrées visitées*, 1838, q. v. *Copy seen:* DLC.

927. BAER, KARL ERNST von, 1792-1876. Ueber das Klima von Nowaja-Semlja und die mittlere Temperatur insbesondere. (Akademiia nauk SSSR. Bulletin scientifique, 1837. T. 2, p. 225-38) *Title tr.:* On the climate of Novaya Zemlya and particularly the average temperature.

This discussion of the climatological characteristics of Novaya Zemlya and particularly the temperature, is based largely on the meteorological observations made by the Pakhtusov Expedition in 1832-33. *Copy seen:* DLC.

928. BAER, KARL ERNST von, 1792-1876. Ueber das Klima von Sitka und den russischen Besitzungen an der Nordwestküste von Amerika überhaupt, nebst einer Untersuchung der Frage, welche Gegenstände des Landbaues in diesen Gegenden gedeihen können. (Akademiia nauk SSSR. Bulletin scientifique, 1839. T. 5, p. 129-41) *Title tr.:* On the climate of Sitka and the Russian possessions on the northwest coast of America, and the agriculture best suited to that area.

The temperature régime (from data Nov. 25, 1831-Feb. 1835) at Sitka (Neu-Arkhangelsk) during the years 1832-34 is compared with that of other arctic stations. Generalizations are made on the wind directions and weather types. *Copy seen:* DWB.

929. BAER, KARL ERNST von, 1792-1876. Ueber den jährlichen Gang der Temperatur in Nowaja-Semlja. (Akademiâ nauk SSSR. Bulletin scientifique, 1837. T. 2, p. 242-54, incl. tables) *Title tr.:* On the annual course of temperature in Novaya Zemlya.

The annual course of the air temperature at Matochkin Shar and other points in Novaya Zemlya are discussed and compared with other arctic areas.

Copy seen: DLC.

930. BAER, KARL ERNST von, 1792-1876. Ueber den täglichen Gang der Temperatur in Nowaja-Semlja. (Akademiâ nauk SSSR. Bulletin scientifique, 1837. T. 2, p. 289-300, incl. tables) *Title tr.:* On the daily course of temperature in Novaya Zemlya.

Bi-hourly averages of the air temperature at two points on the sea coasts of Novaya Zemlya, based on observations made during the period Oct. 1829-Mar. 1832, for each month except September.

Copy seen: DLC.

931. BAER, KARL ERNST von, 1792-1876. Ueber notwendig scheinende Ergänzungen der Beobachtungen über die Boden-Temperatur in Sibirien. (Akademiâ nauk SSSR. Bulletin. 1850. Sér. 2, t. 8, p. 209-224, illus. (incl. tables) *Title tr.:* On some necessary additions to observations on the ground temperature in Siberia.

Detailed discussion of the ground temperature of the well, reported by A. T. Middendorff, (in his *Klima*, q.v., in his and others' *Reise . . . 1843-44*, pub. 1861). Baer cites experiments with other shafts in comparison, to show that either (1) Middendorff was reporting temperatures affected by air in the shaft, or (2) the ground there actually was colder than was to be expected.

Copy seen: DLC.

932. BAER, KARL ERNST von, 1792-1876. Untersuchungen über die ehemalige Verbreitung und die gänzliche Vertilgung der von Steller beobachteten nordischen Seekuh (*Rytina Ill.*) (Akademiâ nauk SSSR. Bulletin sci-

entifique, 1838. T. 3, p. 355-59) *Title tr.:* On the former distribution and the complete extermination of Steller's northern sea cow (*Rytina illiger*).

Review of 18th century reports of the occurrence on the Commander and Aleutian Islands of this mammal, and its ultimate disappearance.

Copy seen: DLC.

933. BAER, KARL ERNST von, 1792-1876. Untersuchungen über die ehemalige Verbreitung und die gänzliche Vertilgung der von Steller beobachteten nordischen Seekuh (*Rytina Ill.*) (Akademiâ nauk SSSR. Mémoires, 1840. Sér. 6, Sciences mathématiques, physiques et naturelles, t. 5, seconde partie: sciences naturelles, p. 53-80) *Title tr.:* Investigation of the early distribution and the complete extinction of Steller's northern sea cow (*Rytina illiger*).

Summary of the scanty knowledge of this marine mammal on Bering Island (not elsewhere), with 1768 set as the date of extinction.

Copy seen: DSI.

934. BAER, KARL ERNST von, 1792-1876, and G. v. HELMERSEN, editors. Nachrichten aus Ost-Sibirien, gesammelt vom Herausgeber. (Beiträge zur Kenntnis des Russischen Reiches, 1845. Bd. 7, p. 41-272, incl. tables, 2 fold. tables) *Title tr.:* Information on East Siberia, compiled by the editors.

Contains statistical analysis of the mid-19th century economy of the Yakut region: 1. Grain raising in Yakutsk and region. 2. Extracts from administrative reports of the government at Irkutsk and in Yakut province, 1839. 3. Increase of the indigenous population. 4. Summary of the fur trade returns on the Lena and farther eastward.

Appendices: 1. Fur trade. 2. Quality and price ranges of sable. 3. Quality range of squirrel skins. 4. Occurrence of beaver in Siberia and European Russia. 5. Hunting and trapping in the different regions (including Okhotsk). 6. Age of the sable trade.

Copy seen: DLC.

935. BAER, KARL ERNST von, 1792-1876, and G. v. HELMERSEN, editors. Neueste Nachrichten über die nördlichste Gegend von Sibirien zwischen den Flüssen Pjässida und Chatanga in Fragen und Antworten abgefasst. Mit Einleitung und Anmerkungen vom Herausgeber. (Beiträge zur Kenntnis des

Russischen Reiches, 1841. Bd. 4, p. 269-300) *Title tr.*: Latest information on the northernmost region of Siberia between the Pyasina and Khatanga Rivers, presented in questions and answers. With an introduction and remarks by the editors.

Résumé of the knowledge held in the mid-19th century, of the Taymyr Peninsula region; remarks on the non-availability of sledge dogs in the region, on the inhabitants, the rivers and general geographic characteristics.

Copy seen: DLC.

BAER, KARL ERNST von, 1792-1876, *see also* Brandt, J. F., & others. Instructions données à M. Middendorff. 1843.

BAER, KARL ERNST von, 1792-1876, *see also* Middendorff, A. T. v., & K. E. v. Baer. Meteorologische Beobachtungen (Reise 1843-44). 1847.

BAER, KARL ERNST von, 1792-1876, *see also* Middendorff, A. T. v., & K. E. v. Baer. Narrative Middendorff's journey. 1844.

BAER, KARL ERNST von, 1792-1876, *see also* Naturhistorische Notizen Nowaja Semlja. 1839.

BAER, KARL ERNST von, 1792-1876, *see also* Vrangél', F. P. Statistische u. ethnographische Nachrichten. 1839.

936. BAEVSKII, I. L. Godovshchina geroicheskoi épokei. (Sovetskaiâ Arktika, 1935, no. 1, p. 39-42, illus.) *Title tr.*: Anniversary of a heroic epoch.

Account, by a participant, of the Chelûskin Expedition, 1933-34, the loss of the ice-breaker and the days in "Shmidt's camp" on an ice floe in Chukchi Sea.

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937. BAEVSKII, I. L. Severnyi morskoi put' i Taïmyrskii natsional'nyi okrug. (Sovetskaiâ Arktika, 1936, no. 9, p. 59-61, illus.) *Title tr.*: The Northern Sea Route and the Taymyr National District.

The role played by the Northern Sea Route in the development of the region.

Copy seen: DLC.

BAGG, JOHN S., *see* Glenn, E. F. Trip to region of Tanana. 1900.

938. BAGGE, L. B. Arbeten och uppsatser öfver de svenska arktiska expeditionerna. (In: Nordenskiöld, N. A. E. Redogörelse för den svenska polarexpe-

ditionen år 1872-1873, p. 117-32. *Pub.* in Svenska vetenskapsakademien Handlingar. Bihang, 1875, bd. 2, no. 18) *Title tr.*: Books and monographs relating to Swedish arctic expeditions.

Bibliography, classified by subject, with a list of foreign periodicals containing articles on Swedish arctic expeditions. The bibliography appears also in Leslie, A., *The arctic voyages of Adolf Erik Nordenskiöld*, q.v.

Copy seen: DLC.

939. BAGGE, L. B. List of books and memoirs relating to the Swedish arctic expeditions. (In: Leslie, A., *The arctic voyages of Adolf Erik Nordenskiöld*, 1879, p. 418-40)

Translation of *Arbeten och uppsatser öfver de svenska arktiska expeditionerna*, q.v., with English title translations added, and list of foreign periodicals omitted.

Copy seen: DLC.

940. BAGGESGAARD-RASMUSSEN, and J. P. JACOBSEN. Contribution to the hydrography of the water round Greenland in the year 1925. København, Reitzel, 1930. 24 p. diags., 3 sketch charts. (Denmark. Kommissionen for havundersøgelser. Meddelelser. Ser. Hydrografi, Bd. 2, nr. 10)

Based on the investigations of the Danish research vessel *Dana* in southern Denmark Strait and Davis Strait, 1925, and on data from the survey vessel *Islands Falk* and a commercial vessel, 1925. Discussion and diagrammatic presentation of (a) the water masses off the southwest coast of Greenland, including cold water from East Greenland Polar Current and warm Atlantic water; (b) the mixture of components of water found in Davis Strait (T-S diagrams); and (c) the vertical sections showing temperature and salinity, in the region from Denmark Strait around to Disko in Davis Strait.

Copy seen: DLC.

BAGNALL, J. STANLEY, *see* Cameron, J. Osteology of Western & Central Eskimos. 1923.

941. BAIARUNAS, M. V. Cephalopoda Kolymo-Indigirskogo triasa. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriâ iakutskaiâ, vyp. 11. Kolymskaiâ geologicheskaiâ êkspeditsiâ, 1929-1930. T. 1, chast' 1, p. 35-44, plate) *Title tr.*: Cephalopoda of the Kolyma-Indigirka Triassic.

Descriptions of twelve species of fossil mollusks analyzed by the author from collections of the expeditions to the Kolyma and Indigirka Rivers in 1926 and 1929-30. *Copy seen:* NN.

942. BAIDUKOV, GEORGH FILIPPOVICH, 1907- . Nash polet v Ameriku; zapiski letchika-shturmana. [Moskva] Partizdat TSK VKP(b), 1937. 34, [2] p. illus. *Title tr.:* Our flight to America; notes of the navigator.

A narrative of the June 18-20, 1937, flight from Moscow to Portland, Oregon, via the North Pole, undertaken under the auspices of the Committee for Distant Flights of the U.S.S.R. Conditions encountered at high altitudes and other difficulties are described. *Copy seen:* DLC.

943. BAIDUKOV, GEORGH FILIPPOVICH, 1907- . O Chkalove, Moskva, Gos. izd-vo "Khudozhestvennaya literatura", 1939. 201, [3] p. port. *Title tr.:* About Chkalov.

A biography of the prominent aviator who led the 1936-37 arctic flights. Chapter dealing with 1937 flight incorporates parts of Baidukov's *Nash polet v Ameriku* (q.v.)

Copy seen: DLC.

944. BAIDUKOV, GEORGH FILIPPOVICH, 1907- . Over the North Pole, by George Baidukov; translated from the Russian by Jessica Smith; with a preface by Vilhjalmur Stefansson. New York, Harcourt, Brace [1938] xiv, 99 p. plates, maps on lining-papers.

Translation of *Nash polet v Ameriku* (q.v.), with first chapter and illustrations added.

Copy seen: DLC.

BAIDUKOV, GEORGH FILIPPOVICH, 1907- , see also Chkalov, V. P., & others. Dva pereleta. 1938.

BAIDUKOV, GEORGH FILIPPOVICH, 1907- , see also Chkalov, V. P., & others. Navigator's log book, airplane NO-25. 1939.

BAIDUKOV, GEORGH FILIPPOVICH, 1907- , see also Chkalov, V. P., & others. Shturmanskii bortovoi zhurnal samoleta NO-25. 1939

BAIDUKOV, GEORGH FILIPPOVICH, 1907- , see also Slava geroiam! 1936.

BAIDUKOV, GEORGH FILIPPOVICH, 1907- , see also Stalinskii marshrut prodolzhen. 1937.

945. BAIEVSKY, BORIS, 1883- . Fisheries of Siberia. (U. S. Fish and Wildlife Service. Report of the U. S. Commissioner of Fisheries, 1926, pub. 1927. p. 37-64, tables, 2 fold. maps. Fisheries document no. 1006) By the Russian expert, European Division, U. S. Bureau of Foreign and Domestic Commerce.

Contains notes on species of fishes, on analysis of salmon and herring catch and canning in various districts, including the Okhotsk-Kamchatka region; brief remarks on Lena-Kolyma, Yenisey, and Ob regions; and a bibliography.

Maps include one on fisheries of Kamchatka Peninsula and the Okhotsk Sea and including Commander Islands, indicating salmon, herring, crabs, beaver and seals. *Copy seen:* DF.

946. BAIKOV, A. V. Opyt massovogo lecheniya i profilaktiki tsyngi nastoem khvoi molodykh derev'ev. (Klinicheskaya meditsina, 1935. T. 13, no. 11, p. 1682-85) *Title tr.:* Experience of mass treatment and prophylaxis of scurvy by an infusion from needles of young evergreen trees.

Analysis of results obtained by the author in treatment of scurvy by use of an infusion made from creeping pine needles; note of methods of its preparation and recommendation of its use on a large scale as a preventative.

Copy seen: NNN.

947. BAILEY, ALFRED MARSHALL, 1894- . Additional notes from Cape Prince of Wales, Alaska. (Condor, Sept. 1929. v. 31, p. 224-25)

On six new specimens sent by an Eskimo, representing a new record for the Cape Prince of Wales, and two new breeding records.

Copy seen: DSI-M.

948. BAILEY, ALFRED MARSHALL, 1894- . Additional records for the Barrow region, arctic Alaska. (Condor, July 1934. v. 36, p. 169)

Six more species sent to the author are added to the regional list of birds and duck hawks which breed near Colville River.

Copy seen: DSI-M.

949. BAILEY, ALFRED MARSHALL, 1894- . Additional records from arctic Alaska. (Condor, Sept. 1926. v. 28, p. 246)

Three skins from Pt. Barrow and Wainwright. *Copy seen:* DSI-M.

950. BAILEY, ALFRED MARSHALL, 1894- . Additional records from Cape Prince of Wales, Alaska. *Condor*, Jan. 1932. v. 34, p. 47)

Note on breeding record of the red-throated pipit and green-throated loon, and the third record of a dotterel.

Copy seen: DSI-M.

951. BAILEY, ALFRED MARSHALL, 1894- . Birds of arctic Alaska. Denver, 1948. 317 p. incl. 68 p. of illus., sketch map. (Colorado Museum of Natural History. Popular ser. No. 8)

Report of the fifteen months' field work by the author and R. W. Hendee on the Colorado Museum of Natural History Expedition, 1921-22, in arctic Alaska; and a compilation of birds recorded in literature from Cape Prince of Wales north and east along the arctic slope, to Demarcation Point. Contains a definition of the arctic slope; a study of the vegetation of the arctic slope, by Joseph Ewan; notes on migration of birds along the arctic coast; an historical sketch of ornithological work; a list of localities used in the report; and a narrative of the expedition. A list, with detailed field notes, records, some measurements, and common names, of over two hundred species of birds; with a bibliography (151 items), and an index. *Copy seen:* DSI-M.

952. BAILEY, ALFRED MARSHALL, 1894- . The birds of Cape Prince of Wales, Alaska. (Colorado Museum of Natural History. Proceedings, Feb. 1943, v. 18, p. 1-113, incl. 15 p. of illus. (1 map))

"Account of a dog sled journey along the arctic coast of Alaska . . . collecting sea mammals and birds on Bering Strait during the spring of 1922, while on the Arctic Expedition of the Colorado Museum of Natural History." The author gives a narrative of the sledge trip from Wainwright to Cape Prince of Wales, with notes on Eskimo seal and walrus hunting, and the physical features of the coast; discussion of bird migration through Bering Strait, field notes for spring and summer 1922, and a classified list with notes (common and scientific names) of one hundred three species of birds; bibliography (33 items). *Copy seen:* DSI-M.

953. BAILEY, ALFRED MARSHALL, 1894- and others. Birds of the region of Point Barrow, Alaska. (Chicago

Academy of Sciences. Program of activities, Apr. 1933. v. 4, p. 15-39, illus., sketch map) *Other authors:* C. D. Brower and L. B. Bishop.

The area covered is the north Alaskan coastal region from Icy Cape to the Colville River, about 150 miles east and west from Pt. Barrow, and the coastal plain south to the foothills of the Endicott Range, a low-lying tundra, with barren grounds. The authors give a list of birds of the region with notes on range, nesting habits, abundance, migration, and records, of one hundred twenty-six species and subspecies.

Copy seen: DSI-M.

954. BAILEY, ALFRED MARSHALL, 1894- . A cruise of the "Bear". (Natural history, Sept.-Oct. 1933. v. 33, p. 497-510, illus.)

Reminiscences of weeks spent on board this U. S. Coast Guard (Revenue Service) vessel, 1922, when the author was leader of the Colorado Museum of Natural History Arctic Expedition. Includes descriptions of Nome, St. Michael, Point Hope, Point Barrow, the waters eastward to Demarcation Point, and the birds noticed throughout the cruise.

Copy seen: DSI-M; NNS Stef.

955. BAILEY, ALFRED MARSHALL, 1894- . The dotterel and other birds from Cape Prince of Wales, Alaska. (*Condor*, May 1930. v. 32, p. 161)

New records for the European dotterel, red-winged blackbird and purple martin, summer 1929.

Copy seen: DSI-M.

956. BAILEY, ALFRED MARSHALL, 1894- . Early nesting of the redpoll in Alaska. (*Condor*, 1928. v. 30, p. 320)

Eskimo report from Teller, Alaska, of a nesting in April, 1928.

Copy seen: DSI-M.

957. BAILEY, ALFRED MARSHALL, 1894- . The Hudsonian curlew at Wales, Alaska. (*Condor*, Mar. 1933. v. 35, p. 72)

A first record for this region.

Copy seen: DSI-M.

958. BAILEY, ALFRED MARSHALL, 1894- . Notes on the birds of southeastern Alaska. (*Auk*, Jan.-July 1927. v. 44, p. 1-23, 184-205, 351-67, 5 plates)

Results of observations, Nov. 1919-Apr. 1921, made while the author was a U. S. Biological Survey representa-

tive at Juneau, covering a wide territory north of Frederick Sound to Glacier Bay. Includes description of localities and an annotated list of one hundred fifty-two species of birds; bibliography (14 items).

Copy seen: DSI-M.

959. BAILEY, ALFRED MARSHALL, 1894- . The pintails of northwestern Alaska. (Condor, Sept. 1930. v. 32, p. 264-65)

Further evidence that the ducks of Seward Peninsula, Wainwright and Pt. Barrow are of the American race of *Dafila acuta*.

Copy seen: DSI-M.

960. BAILEY, ALFRED MARSHALL, 1894- . A report on the birds of northwestern Alaska and regions adjacent to Bering Strait. Pt. 1-10. (Condor, 1925-26. v. 27, p. 20-32, 62-67, 101-109, 164-71, 197-207, 232-38; v. 28, p. 31-36, 84-86, 121-26, 165-70, illus.)

Results of the Colorado Museum of Natural History Alaska Expedition, 1921-22, a fully annotated list of one hundred thirty-five species of birds from the north and west coasts of Alaska, and from the Bering Sea Islands.

Copy seen: DSI-M.

961. BAILEY, ALFRED MARSHALL, 1894- . Siberian rough-legged hawk in northwestern Alaska. (Auk, Apr. 1942. v. 59, p. 305-306, plate)

Note on the Golovin Bay breeding record of this bird, taken on July 26, 1921.

Copy seen: DSI-M.

962. BAILEY, ALFRED MARSHALL, 1894- . Specimens from Point Barrow, Alaska. (Condor, Mar. 1931. v. 33, p. 78)

Mountain bluebird and slender-billed shearwaters collected for first time in 1929-30.

Copy seen: DSI-M.

963. BAILEY, ALFRED MARSHALL, 1894- . Winter notes from the Copper River, Alaska. (Condor, July 1926. v. 28, p. 174-75)

Seven species of birds observed Dec. 7-27, 1919, between Chitina and the headwaters of the Copper River.

Copy seen: DSI-M.

964. BAILEY, ALFRED MARSHALL, 1894- , and **R. W. HENDEE**. Notes on the mammals of northwestern Alaska. (Journal of mammalogy, Feb. 1926. v. 7, p. 9-28, 3 plates)

Results of the Colorado Museum of Natural History Expedition, 1921-1922, with headquarters at Wainwright. An account of the expedition's zoological work, and an annotated list of thirty-three species of mammals with special emphasis on the polar bear, Pacific walrus, Barron Ground caribou, and bowhead whale.

Copy seen: DSI-M.

965. BAILEY, GEORGE W., d. 1879-

. Report upon Alaska and its people, giving statistics as to the numbers, location, pursuits, and social condition of the inhabitants; the climate, productions, and general resources of the country; and of the commerce, ocean currents, etc. Washington, U. S. Govt. Print. Off., 1880. 52 p. incl. tables. front. (port.) plate, fold. chart.

Report of the commander of the U. S. revenue steamer *Rush*, on observations made during Apr.-Oct. 1879, in Wrangell, Sitka, Kodiak, the Shumagin Islands, a few of the Aleutian Islands, Bering Sea islands, and at St. Michael. Includes (p. 41-49), notes on the physical condition of the inhabitants of Alaska, by Assistant Surgeon, Robert White.

Copy seen: DLC; NNStef.

966. BAILEY, JACOB WHITMAN, 1811-1857. Notice of microscopic forms found in the soundings of the Sea of Kamtschatka. (American journal of science, July 1856. Ser. 2, v. 22, p. 1-6, plate)

List, with some descriptions, of twenty-two (including eight new) species of diatoms, fifteen protozoans, and six sponge fragments in three bottom samples from the Bering Sea.

Copy seen: DLC.

967. BAILEY, JACOB WHITMAN, 1811-1857. On some specimens of deep sea bottom, from the Sea of Kamtschatka, collected by Lieut. Brooke, U. S. N. (American journal of science, Mar. 1856. Ser. 2, v. 21, p. 284-85) Published also in Quarterly journal of microscopical science, 1856. v. 4, p. 305-306.

Report on the microscopic examination of three bottom samples from Bering Sea.

Copy seen: DLC.

968. BAILEY, MARIE BEEMER. Old Harbor. (Alaska sportsman, Apr. 1949. v. 15, no. 4, p. 6-11, 38-40, illus.)

Description of a fishing village and its people on Kodiak Island.

Copy seen: DLC.

969. BAILEY, VERNON, and J. K. DOUTT. Two new beavers from Labrador and New Brunswick. (Journal of mammalogy, 1942. v. 23, p. 86-88)

Description of *Castor canadensis labradorensis*, subsp. nov. from Hamilton River, Labrador, collected in 1939 during a Carnegie Museum (Pittsburgh) field investigation.

Copy seen: DSI-M.

970. BAILEY, W. B., and H. B. HACHEY. An increasing Atlantic influence in Hudson Bay. St. Andrews, N. B., 1949. p. l., 11 numb. l. 12 plates (chart, diagrs.) Mimeographed.

Issued by the Canadian Joint Committee, results of work done by the Atlantic Oceanographic Group of the Canadian Fisheries Research Board. Based on observations made aboard the R.C.N. Ship *Haida*, Sept. 1948, at eight stations occupied in Hudson Strait and six in Hudson Bay, and on bathythermograph observations every 50 miles. Description of temperature and salinity distribution in Hudson Strait and Bay, discussion of T-S diagrams, and comparison of Hudson Bay waters in 1930 and 1948 (higher temperature and salinities in 1948).

Illus. include vertical section diagrams of temperatures and salinities, typical bathythermograph traces, and temperature-salinity correlation curves.

Copy seen: CaMAI.

971. BAILEY, W. B., and H. B. HACHEY. The vertical temperature structure of the Labrador Current. St. Andrews, N. B., 1949. p. l., 10 numb. l. 8 plates (2 sketch charts, diagrs.) Mimeographed.

Issued by the Canadian Joint Committee on Oceanography, results of research done by the Atlantic Oceanographic Group of the Canadian Fisheries Research Board. Based on data collected from ten hydrographic stations occupied during the cruise of H.M.C.S. *Haida*, Sept. 1948, and on works already published. Description of the current, the water masses making up its components, and its movements; discussion of temperature-salinity diagrams, and the dynamics of the current.

Illus. include vertical sections of temperature and salinity, T-S correlation curves, typical bathythermograph traces, and diagrams showing temperature structure, all for Sept. 1948.

Copy seen: CaMAI.

BAILLAIRGÉ, G. F., *see* Canada. Dept. of Public Works. Canada from Atlantic to Pacific. 1891.

BAILLY, PIERRE, *see* Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1925, 1926.

972. BAIN, GEORGE WILLIAM, 1901-. Physiographic development of Canadian Shield. (Pan-American geologist, Aug., Dec. 1926, Feb. 1927. v. 46, p. 53-62, 363-74; v. 47, p. 15-28, 6 plates)

Geomorphological study of five areas, one of which embraces the Harricaw and Bell River basin on the Hudson Bay slope in Quebec.

Copy seen: DGS.

972-A. BAIN, HARRY FOSTER, 1872-1948. Alaska's minerals as a basis for industry. Washington, 1946. 1 p. l., 89 p. 4 maps, diagr. (U. S. Bureau of Mines. Information circular 7379) Mimeographed.

Brief discussion of Alaska's population and climatic problems, sketch of the physical features, and a description of location, production and potentialities of the metallic and nonmetallic minerals.

Copy seen: DGS.

973. BAIRD, PATRICK D. Expeditions to the Canadian Arctic. (Beaver, Mar., June and Sept. 1949. Outfit 279, no. 4, p. 44-47; outfit 280, no. 1, p. 41-47, no. 2, p. 44-48, illus.)

List of 94 expeditions, each with note indicating objectives, results, important discoveries and principal published results. Forms an outline of sea voyages and land expeditions carried out by explorers of the Canadian Arctic from the earliest times to the year 1918. Pt. 1 covers the period, 1004-1793; pt. 2, 1818 to the end of the Franklin search, and pt. 3, from the Hayes Expedition, 1860-61, to the Canadian Arctic Expedition, 1913-18. A reprint (16 p., illus. maps (incl. 1 double)) was issued to its members by the Arctic Institute of North America.

Copy seen: CaMAI; DSI-M; NNStef.

974. BAIRD, PATRICK D. Snow and ice conditions on "Exercise Muskox" (Northern Canada). (Journal of glaciology, July 1947. v. 1, p. 75-76)

Brief notes on ice and snow encountered by this motorized expedition from Churchill across the Barren Grounds to Victoria Island and southward via Great Bear Lake.

Copy seen: CaOGB; DGS.

975. BAIRD, PATRICK D., and D. J. SALT. Report on expedition Snow Cornice. (National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. Technical Memorandum, 1949. No. 14 (N.R.C. No. 2034), p. 1-13, incl. 4 plates)

Account of organization, personnel and methods used in sounding for depth of the Seward Glacier during Project Snow Cornice, summer 1948, with discussion and diagrammatic presentation of results.

Copy seen: CaMAI.

976. BAIRD, PATRICK D., and J. L. ROBINSON. A brief history of exploration and research in the Canadian Eastern Arctic. (Canadian geographical journal, Mar. 1945. v. 30, p. 136-57, illus., maps)

Review of the work of expeditions since 1000 A.D.; the mapping, investigations in geology, magnetism, botany, tides and currents, marine life, zoology, archeology and medical research; bibliography, p. 157.

Copy seen: DLC.

977. BAIRD, SPENCER FULLERTON, 1823-1887. On additions to the bird-fauna of North America made by the Scientific Corps of the Russo-American Telegraph Expedition. (Chicago Academy of Sciences. Transactions, 1869, v. 1, pt. 2, p. 311-25, 7 plates)

Descriptions, with notes on localities of sixteen species of birds new to Alaska, and in some cases new to North America.

Copy seen: DLC.

978. BAJKOV, A. D. The ice conditions of Hudson Bay. (Beaver, Mar. 1941. Outfit 271, no. 4, p. 15-19, illus.)

Discussion (based on modern knowledge of ice relationships) of the general conditions, the biological method of forecasting, the regional conditions and the possibility of keeping shipping lanes open for a longer season.

Copy seen: DSI-M.

979. BAKER, ALBERT WESLEY, 1891-. Mallophaga [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1918. v. 3: Insects, Pt. D, p. 3-9, incl. plate)

List, with locations, of twenty species of bird lice from thirteen birds and one mammal.

Copy seen: DSI-M.

980. BAKER, E. H. B. Winter surveying in Labrador. (Hydrographic review, 1936. v. 13, no. 1, p. 11-20, 2 plates, sketch map)

Account of a British Admiralty Hydrographic Survey party which wintered at Nain and made coastline surveys during 1933-34; with notes on dogs, sledges and sledging, and methods of surveying.

Copy seen: DN-HO.

BAKER, EDWARD CHARLES STUART, *see* Hortling, I., & E. C. S. Baker. Bird-notes, trip to Lapland. 1932.

981. BAKER, FRANK COLLINS, 1867-1942. Mollusca of the Crocker Land Expedition to Northwest Greenland and Grinnell Land. (American Museum of Natural History. Bulletin, 1919. v. 41, p. 479-517, 3 plates)

Scientific results of the Crocker Land Expedition; list, with some descriptions, notes on synonymy and distribution, of thirty-four (including five new) species of marine shells from Greenland and Grinnell Land fiords; note by W. E. Ekblaw on the places of collection, and notes on comparison with results of earlier expeditions.

Copy seen: DLC.

982. BAKER, MANLY BENSON, 1877-. Iron and lignite in the Mattagami basin. (Ontario. Dept of Mines. Annual report, 1911. v. 20, pt. 1, p. 214-46, illus., fold. map)

Contains a report on work done in the summer of 1910 in the Mattagami basin; remarks on the route in the lower river region; descriptions of the geological formations and of the lignite and iron deposits and their origin, including lignite on the Abitibi River.

Map: route map (scale 1:253,440) of parts of the Moose River tributaries, indicating the deposits.

Copy seen: DGS.

983. BAKER, MARCUS, 1849-1903. Alaskan geographic names. (U. S. Geological Survey. Annual report, 1899-1900, pub. 1900. v. 21, pt. 2, p. 487-509)

List, in alphabetic order, of the names appearing on the maps which accompany the three papers on Alaska (by A. H. Brooks, O. Rohn, and F. C. Schrader, q.v.) published in this Twenty-first Annual Report of the U. S. Geological Survey, with brief notes on their origin, application, and spelling.

Copy seen: DGS.

984. BAKER, MARCUS, 1849-1903. The Alaskan boundary. (American Geographical Society, N. Y. Journal (Bulletin), 1896. v. 28, p. 130-45, 3 sketch maps)

Written shortly before the outbreak (following the gold rush to Klondike 1898) of disputes over the boundary between southeastern Alaska and Canada, disputes settled by a joint commission in 1903. Review of the exploration and maps of the Panhandle, geographic information available to negotiators of the Anglo-Russian treaty of 1825, and the Russo-American treaty of 1867, with analysis of the latter's sections relating to boundaries of southeastern Alaska.

Copy seen: DLC.

985. BAKER, MARCUS, 1849-1903. Boundary line between Alaska and Siberia. (Philosophical Society of Washington. Bulletin, 1880/81, pub. 1881. v. 4, p. 123-33, fold. map)

Result of U. S. Coast and Geodetic Survey exploration in 1880 to make a more careful determination of the longitude in the Bering Strait region, with a record of earlier determinations.

Copy seen: DLC.

986. BAKER, MARCUS, 1849-1903. Geographic dictionary of Alaska. Washington, U. S. Govt. Print. Off., 1902. 446, iii p. (U. S. Geological Survey. Bulletin no. 187. ser. F, Geography, 27)

Alphabetical list of published names, obsolete and current in 1900, with notes on origin, history, modes of spelling, and application of each, designating the form approved by U. S. Board on Geographic Names, and including a list of one hundred eight authorities used in making the dictionary.

Copy seen: DGS.

987. BAKER, MARCUS, 1849-1903. Geographic dictionary of Alaska. 2nd ed. Prepared by James McCormick. Washington, U. S. Govt. Print. Off., 1906. 690 p. (U. S. Geological Survey. Bulletin no. 299. Ser. F, Geography, 52.

Issued also as House doc. no. 938, 59th Cong., 1st sess.) Enlarged edition with several hundred additional names drawn from thirty-one additional authorities, to 1905. *Copy seen:* DGS.

BAKER, MARCUS, 1849-1903, see also Dall, W. H. Critical review of Bering's first exped. 1725-30. 1890.

988. BAKEWELL, ANDERSON. Botanical collections of the Wood Yukon Expeditions of 1939-1941. (Rhodora, Aug. 1943. v. 45, p. 305-16)

List, with localities, of over one hundred species of flowering plants and ferns collected in 1939 and 1941, from the tundra and alpine meadows, along streams and margins of glacial lakes, on rock slides and up to limit of vegetation on peaks, in the area between Kluane Lake and Wolf Creek Glacier, St. Elias Range, southwestern Yukon.

Copy seen: DA.

989. BAKHIREV, I. T. Nekotorye geologicheskie dannye Eno-Kovdorozerskogo raiona. (In: Akademiia nauk SSSR. Kol'skaiia baza. Proizvoditel'nye sily I, 1940, p. 137-52) *Title tr.:* Some geological data on the Eno-Kovdoro Lake region.

Contains a geological survey of this region in the western part of Kola Peninsula (Lake Kovdoro, approx. 67°35'N. 30°30'E.), in which iron ores, cyanites, mica and basic rocks are found, and which presents possibilities for industrial development. Bibliography (3 items).

Map: geological sketch of Eno-Kovdoro Lake region (scale approx. 1:10,000).

Copy seen: DGS.

990. BAKHRUSHIN, S. V. Istoricheskie sud'by iAkutii. (In: iAkutiia, 1927, p. 275-322, illus., port., fold. map) *Title tr.:* The historical course of Yakutia.

A general history of the Yakut A.S.S.R., of the Russian colonization and its effects on the aboriginal population, with a map of Russian settlements of the 17th century. Bibliography, p. 321-22.

Copy seen: DLC.

991. BAKHRUSHIN, S. V. Sibirskie tuzemtsy pod russkoi vlast'iu do revoliutsii 1917 goda. (In: Sovetskii Sever; pervyi sbornik statei, 1929. p. 66-97, illus.) *Title tr.:* Siberian aborigines under the Russian rule before the Revolution of 1917.

Historical sketch of the policy of the Russian government toward the natives of the North from the 16th century to the Revolution; their social and economic status in the 19th and 20th centuries.

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BAKLUND, OLEG OSKARVICH, *see* Baklund, Helge Götrik, 1878-

*Baklund, Oskar' A., *see* No. 892-894.

992. BALABAEV, G. A. Problema rastenievodstva i novykh kul'tur dlia pripoliarnogo Severa SSSR. (Sovetskii Sever, 1931, no. 7-8, p. 42-60) *Title tr.*: Problems of plant cultivation and new cultures for subarctic regions of the U.S.S.R.

Copy seen: DLC.

993. BARAKHOV, I. V. Evenkiiskom natsional'nom okruge. (Vostsibkraia). (Sovetskii Sever, 1933, no. 3, p. 44-52, illus., tables) *Title tr.*: Evenkiyskiy National District (East Siberia).

Characteristics of the social and economic organization of the Tungus aborigines of the region, before and after the Soviet Revolution.

Copy seen: DLC.

994. BALAKHOVSKII, S. D., and others. Novyi metod lecheniia otmorozhenii pri pomoshchi mestnogo prime-neniia provitamina A karotina. (Klinicheskaiia meditsina, 1935, T. 13, no. 11, p. 1671-74, illus.) *Other authors:* L. A. Klimenkova and F. M. Cherkasov. *Title tr.*: A new method of frostbite treatment with help of local application of provitamin A carotene.

Discussion of favorable results obtained by the author in sixteen cases of treatment of frostbite by this method. Need for further investigations.

Copy seen: NNN.

995. BALAKSHIN, L. L. Prilivy v vostochnoi chasti proliva Matochkina Shara. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935, T. 36, p. 31-36, tables, diagrs.) *Title tr.*: Tides in eastern Matochkin Shar Strait.

Observations taken in the winter 1932-33.

Copy seen: DLC.

BALAKSHIN, L. L., see also Laktionov, A. F., & L. L. Balakshin. Glubokovodnye gidrologicheskie nablud. 1936.

BALAKSHIN, L. L., see also Maksimov, I. V., & L. L. Balakshin. Privily v bukhte Tikhoi. 1935.

996. BALANDIN, FEDOR VASIL'EVICH. O nakhodke tundrovoi formy

Drepanocladus exannulatus (Gümb.) Warnst. v Leningradskoi gubernii. (Leningrad. Glavnyi botanicheskii sad RSFSR. Institut sporovykh rastenii. Botanicheskie materialy, 1924, T. 3, vyp. 4, p. 53-56) *Title tr.*: On finding a tundra form of *Drepanocladus exannulatus* (Gümb.) Warnst. in Leningrad province.

Contents: description of this tundra form of a lichen and comparison with another tundra form of var. *brachydictyus* widely distributed in arctic Siberia, Greenland and Norway.

Summary in German.

Copy seen: NNBG.

997. BALASHOV, K. N., and I. I. TAMARSKII. Hidrologicheskii ocherk reki Ebetem. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938, T. 105, p. 51-71, illus., map, tables, diagrs.) *Title tr.*: Hydrological outline on Ebetem River.

Contents: Hydrological description of the basin; levels and temperatures of water; freezing and opening; expenditure of water and discharge; river deposits. Results of a study of this right bank tributary of the Lena River at 70°20'-38°N, 128°18'-55°E.) made for the Arctic Institute of U.S.S.R., 1935-36.

Copy seen: DLC.

998. BALCH, EDWIN SWIFT, 1856-1927, ed. Letters and papers relating to the Alaska frontier. Philadelphia, Press of Allen, Lane & Scott, 1904, viii, 134 p.

Correspondence, editorials and articles which appeared during 1902-03, in response to the information given by the editor's brother, T. W. Balch, to U. S. officials and general public on the question of the boundary between southeastern Alaska and Canada.

Copy seen: DLC; NNSf.

999. BALCH, EDWIN SWIFT, 1856-1927. The North Pole and Bradley Land. Philadelphia, Campion & Co. 1913. 91 p. incl. map.

An attempt to present the facts, and reasons for the writer's conviction that Dr. Cook was the first to reach the North Pole.

Copy seen: DLC; NNSf.

1000. BALCH, FRANCIS NOYES, 1873- . On a new Labradorian species of *Onchidiopsis*, a genus of mollusks new to eastern North America;

with remarks on its relationships. (U. S. National Museum. Proceedings, 1911. 38, p. 469-84, 2 plates)

Study based on specimens collected off the coast of Labrador, during a cruise by Owen Bryant in 1908; with bibliography, p. 481-83.

Copy seen: DLC.

1001. BALCH, THOMAS WILLING, 1866-1927. The Alaska frontier. Philadelphia, Allen, Lane & Scott, 1903. 4 p. l., [xi]-xv, 198 p. incl. front., 28 maps.

"A paper, *La frontière alasko-canadienne*, which was printed in the *Revue de droit international*, Jan. 1902 (Bruxelles), and another, *the Alasko-Canadian frontier*, which was published in the *Journal of the Franklin Institute*, Mar. 1902 (Philadelphia), are in part incorporated in this work," a "monograph . . . stating briefly but emphatically the title of the United States to a continuous, unbroken lisière or strip of territory between Mount St. Elias and 54°40'N." It includes a chronicle of international negotiations, texts of documents, maps, etc., in support of the author's views.

Copy seen: DLC; NNStef.

1002. BALCH, THOMAS WILLING, 1866-1927. The Alasko-Canadian frontier, by Thomas Willing Balch . . . Read at the annual meeting of the Franklin Institute, January 15th, 1902, and reprinted from the "Journal of the Franklin Institute" for March, 1902. Philadelphia, Press of Allen, Lane & Scott, 1902. 2 p. l., 45 p. incl. 8 maps.

Discussion of details of the Anglo-Russian negotiations of 1821-25, in support of U. S. claims in the Anglo-American dispute 1898-1903, concerning the boundary line between southeastern Alaska and Canada.

Copy seen: DLC; NNStef.

BALCH, THOMAS WILLING, 1866-1927, *see also* Balch, E. S., *ed.* Letters & papers Alaska frontier. 1904.

1003. BALCHEN, BERNT, 1899- . Fly og bikkjer i polaregnene. Polar-Ørboken, 1933. p. 52-55, illus. *Title tr.:* Airplane and dogs in the polar regions.

Expresses the author's opinion that dogs are necessary for arctic travel, wherever planes can not land or penetrate; notes importance of dogs in reconnaissance work, in the establishing

of depots; praises their strength, endurance and qualities as companions, and for hunting. *Copy seen:* NN.

1004. BALCHEN, BERNT, 1899- , and others. War below zero; the battle for Greenland. Boston, Houghton Mifflin Co., 1944. 4 p. l., 127 p. 12 plates (part double) map on lining-papers. *Other authors:* Corey Ford and O. La Farge.

"A story of the Army Air Force's battle for the vital Far Northeast," recounting flights, rescues, and daily duties at American bases on Greenland during World War II.

Copy seen: DLC; NNStef.

BALCHEN, BERNT, 1899- , see also American Society of Mechanical Engineers. Symposium on arctic & winter flying. 1933.

BALCHEN, BERNT, 1899- , see also 110 Dager på Grønlands indlandsis. 1945.

1005. BALCHIN, W. G. V. The raised features of Billefjord and Sassenfjord, West Spitsbergen. (Geographical journal, June 1941. v. 97, p. 364-76, 4 plates)

Results of the Cambridge Spitsbergen Expedition, 1938. Description of the raised platforms, shingle complexes and wave-cut features of these two fiords in the Ice Fjord region, with discussion of the conditions causing them, and mention especially of the old shore lines of Gips Valley.

Copy seen: DLC.

1006. BALDAUF, RICHARD, and RICHARD BECK. Über das Kryolith-Vorkommen in Grönland. (Zeitschrift für praktische Geologie, 1910. Bd. 18, p. 432-46, 4 plates) *Title tr.:* On the occurrence of cryolite in Greenland.

Contains the history of the mining of cryolite at Ivigtut, the mining operations as observed in 1908, and a description of the geology of the deposit, by R. Baldauf; the results of microscopic analyses of the rocks and minerals associated with the deposit, by Richard Beck. *Copy seen:* DGS.

BALDWIN, ABRAHAM CHITTENDEN, 1804-1887, *see* Hyde A., & others. Frozen zone. 1874.

1007. BALDWIN, EVELYN BRIGGS, 1862-1933. Auroral observations on

the second Wellmann Expedition made in the neighborhood of Franz Josef Land. (U. S. Weather Bureau. Monthly weather review, Mar. 1901. v. 29, p. 107-115)

A journal of individual occurrences of aurora over Franz Josef Land during the period Nov. 1, 1898-Mar. 13, 1899. The position, structure, color and brilliance of the auroras are described and prevailing weather conditions during their occurrence are noted.

Copy seen: DLC.

1008. BALDWIN, EVELYN BRIGGS, 1862-1933. Meteorological observations of the Second Wellman Expedition, by Evelyn B. Baldwin, observer, Weather Bureau. Washington, U. S. Govt. Print. Off., 1901. 1 p. l., p. 349-436 incl. tables. (U. S. Weather Bureau. Report of the chief. 1899/1900, pt. 7)

Contains (p. 349-56) outline of the scope and character of meteorological work on this expedition under the journalist and explorer, Walter Wellman, to Franz Josef Land, with sledge and boat trips in that region, 1898-99.

Tables (p. 356-407) of meteorological observations and sea temperature taken at 07, 14 and 19 hrs. during the passage of the *Frithjof* from Arkhangelsk towards Franz Josef Land, July 1898, (tabular results p. 356-57, remarks p. 411-14). Daily observations on return voyage on the *Capella* from Franz Josef Land towards Tromsø, Norway, Aug. 1-17, 1899.

Daily meteorological observations at Cape Tegetthof on Hall Island, or Fort McKinley on Wilczek Land, and during sledge journeys between these points during period Aug. 1898-July 1899. Hourly thermograph recordings for Cape Tegetthoff, Nov. 1898-July 1899; and on sledge journeys Aug.-Oct. 1898; remarks on observations p. 416-35. Monthly résumé of all observations, p. 404-407.

Daily journal (p. 409-436), day-to-day notes, July 1898-Aug. 1899, on the author's activities, the weather and working conditions, with remarks on the observations tabulated in preceding pages.

Copy seen: DLC.

1009. BALDWIN, EVELYN BRIGGS, 1862-1933. The search for the North Pole; or, Life in the great white world. Chicago, 1896. 520 p. incl. illus. (incl. ports.) maps. 63 plates.

A history of arctic exploration, by the meteorologist to the Peary Expedition, 1893-94.

Copy seen: DLC; NNSStef.

1010. BALDWIN, SAMUEL PRENTISS, 1868- Recent changes in the Muir Glacier. (American geologist, June 1893. v. 11, p. 366-75)

Discussion of methods of measurements used by H. F. Reid, 1890, and G. F. Wright, 1886, and of the causes of the motion of the glacier.

Copy seen: DGS.

1011. BALES, L. L. The Indians won't tell. (Alaska sportsman, Oct.-Nov. 1938. v. 4, no. 10, p. 16-18, 20; no. 11, p. 14-15, 18, 20-22, illus.)

Discussion (in detail) for the general reader, of totems and their significance in the life of Southeast Alaskan Indians, the Haidas and Tlingits (Koshes of historical times); with notes on the absence of these totemic beliefs and ceremonies nowadays.

Copy seen: DLC.

1012. BALFOUR, HENRY, 1863- An Eskimo week-calendar. (Man, a monthly record of anthropological science, June 1919. v. 19, p. 92, illus.)

Describes and pictures a bone calendar rod from the West Greenland Eskimos of Disko.

Copy seen: DLC.

1013. BALL, CARLETON R. Schneider's three new Canadian willows (*Salix anamesa*, *S. fullertonensis*, and *S. hudsonensis*). (Canadian field naturalist, 1948. v. 62, p. 150-52)

Discussion of the taxonomy of willows from the Hudson Bay region.

Copy seen: DA.

BALL, EDWARD M., see Rich, W. H., & E. M. Ball. Statistical review of Alaska salmon fisheries, I. Bristol Bay and Alaska Peninsula. 1929.

BALL, EDWARD M., see Rich, W. H., & E. M. Ball. Statistical review of Alaska salmon fisheries, II. Chignik to Resurrection Bay. 1931.

BALL, EDWARD M., see Rich, W. H., & E. M. Ball. Statistical review of Alaska salmon fisheries, III. Pr. William Sound, Copper River and Bering River. 1935.

BALL, EDWARD M., see Rich, W. H., & E. M. Ball. Statistical review of Alaska salmon fisheries, IV. Southeastern Alaska. 1935.

1014. BALL, Sir ROBERT STAWELL, 1840-1913. The wanderings of the North Pole. (Smithsonian Institution. Annual report, 1893, *pub.* 1894. p. 75-87) Reprinted from the Fortnightly review, Aug. 1893, v. 54, p. 171-83.

Discussion of the celestial North Pole and observations of astronomical phenomena from which the position of the terrestrial North Pole is deduced.

Copy seen: DLC.

1015. BALL, SYDNEY HOBART, 1877- . The mineral resources of Greenland. (Meddelelser om Grønland, 1923. Bd. 63, p. 1-60, illus. (incl. map) diagrs.) Published also as: Society of Economic Geologists. Publication no. 15.

Introductory remarks on the history of mining and mining conditions, and discussion, based on personal observations, of mineral resources and mining in West Greenland 60°52'-72°47'N., with special regard to cryolite, copper, iron, graphite and coal, and semiprecious and ornamental stones.

Copy seen: DLC.

BALL, W. A., *see* Hume, G. S. North Nahanni & Root Rivers area. 1922.

1016. BALLANTYNE, ROBERT MICHAEL, 1825-1894. Hudson Bay; or, Everyday life in the wilds of North America, during six years' residence in the territories of the Hon. Hudson Bay Company. By Robert Michael Ballantyne . . . With fifty illustrations designed by Bayard and other artists from sketches by the author. [4th ed.] London, New York [etc.] T. Nelson & Sons, 1879. xii, [13]-367 p. incl. front., illus., 8 plates.

First published in Edinburgh by Blackwood, 1848, and reprinted several times subsequently in various editions, with slight changes in title but without major changes or additions in text. The fourth edition (also reprinted at various times) has original text, with corrections and added illustrations.

Based on the author's experience as a Hudson's Bay Co. clerk, 1841-47, an account of the Company, life at its posts and on the trail; climate, game, physical features of the region around York Factory, and (mainly) northwest Canada south of 60°N.

Copy seen: DLC (1848-1879); NNSStef.

BALLANTYNE, ROBERT MICHAEL, 1825-1894, *see also* Leslie, Sir J., &

others. Discovery & adventure in polar seas & regions. 1860.

1017. BALLE, JOHANNES. Hvalfangst i grønlandske farvande. (Grønlandske selskab, Aarsskrift, 1928-29, p. 21-38, table) *Title tr.:* Whaling in Greenland waters.

Discusses history of whaling from the 15th century; whaling off West Spitsbergen, East Greenland and in Davis Strait; nationals engaged in whaling; Danish proclamations pertaining to whaling in Greenland waters; whaling ships; shipwrecks, account of the great disaster year, 1777; famous whalers, etc. Includes statistics.

Copy seen: NN.

1018. BALLE, KNUD, 1877- . The Church of Greenland of the present day. (*In:* Greenland. Copenhagen, 1929. v. 3, p. 243-67)

Sketch of the work in Greenland of the national Danish Lutheran Evangelical Church, under government jurisdiction (Kirke- og skole-vaesenet) and supervision of the Bishop of Zealand (København stift). Outlines organization of the Church of Greenland; attitude of the Greenlanders towards Christianity; influence of Christianity on moral and social conditions; the religious revival; bibliography.

Copy seen: DLC.

1019. BALLOU, MATURIN MURRAY, 1820-1895. The new Eldorado: a summer journey to Alaska. Boston and New York, Houghton, Mifflin & Co., 1889. xi, 352 p. Another (called second) edition, without change, was issued in 1890.

Account of a cruise to Sitka, with notes on the scenery, natives, history, and resources of Alaska.

Copy seen: DLC; NNSStef (1890).

1020. BALLOUN, STANLEY L. More eggs from Alaska flocks. Palmer, Alaska, n.d. (1948?) 5 p. (Alaska. Agricultural Experiment Stations. Experiment station circular. No. 8)

Brief, practical pointers on feed and accommodations for chickens.

Copy seen: DA.

BALSLEY, JAMES ROBINSON, 1916- , *see* Guild, P. W., & J. R. Balsley. Chromite of Red Bluff B., Baranof I. 1942.

1021. BAL'ZAMENTOV, A. D. Patologicheskaiâ anatomiiâ i patogenez nekrobatšilleza severnykh olenei. (Leningrad. Nauchno-issledovatel'skii institut, poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Trudy. Seriiâ olenovodstva, 1941. Vyp. 15, p. 59-72, 3 plates) *Title tr.:* Pathological anatomy and pathogenic necrobacillosis of reindeer. *Copy seen:* DA.

1022. BAL'ZAMENTOV, A. D. Patologo-anatomicheskie izmeneniâ pri tak nazyvaemoi "kopytnoi bolezni" severnykh olenei. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Trudy. Seriiâ olenovodstva, 1940. Vyp. 9, p. 53-96) *Title tr.:* Pathologic anatomical changes in the so-called "hoof disease" of reindeer. Results of studies conducted for the Leningrad Institute of Polar Agriculture, Animal Husbandry, Fishing and Hunting Industry in the year 1938.

Summary in English.
Copy seen: DLC.

1023. BANCROFT, HUBERT HOWE, 1832-1918. History of Alaska, 1730-1885. San Francisco, The History Co., 1890. 1 p. l., v-xxxviii, 775 p. illus. (maps) fold. map.

According to W. A. Morris (Quarterly of the Oregon Historical Society, v. 4, p. 287-364) this work was written by H. H. Bancroft, Alfred Bates, Ivan Petroff and William Nemos. It was previously published in 1886 as v. 33 of Bancroft's *Works* with title *History of Alaska, 1730-1885*.

Comprehensive study of events in and relating to Alaska throughout its Russian period and in its early years as a colony of the United States. Based on archives, published books and documents (mainly Russian) and data collected from residents of Alaska. Chapters on Russian expansion 16th-18th centuries, the Great Northern Expedition 1725-43, Bering's voyages and discovery of Alaska; exploitation of the fur trade by private venture, trade and exploration under government auspices; efforts at settlement and colonization; the Russian American Co. development of Sitka, relations with natives, Russian administration. Alaska as United States' possession, its exploration, commerce, the fur-seal industry, fisheries, development of settlement,

mining, social and civic institutions. Bibliography (534 items).

Copy seen: DLC; NNSf.

1024. BANFIELD, ALEXANDER WILLIAM FRANCIS, 1918- The Barren-ground caribou investigation. (Arctic circular, Nov. 1948. v. 1, p. 77-78)

Note on personnel, program, and 1948 observation flights and field investigations in a two-year plan being carried out by the Lands and Development Services Branch of the Canadian Dept. of Mines and Resources, with the cooperation of the wildlife authorities of the Prairie Provinces.

Copy seen: CaMAI.

1025. BANG, H. V. Kommandor R. Hammer. (Grønlandske selskab. Aarskrift. 1929-30. p. 102-03, illus.) *Title tr.:* Commodore R. Hammer.

Notes death of Rørd Regnar Johannes Hammer (1855-1930), president of the Greenland Society; his participation in the expedition of A. D. Jensen (Bildsøe) to West Greenland, 1879; leadership of expeditions to West Greenland, 1879-80, 1883; writings on Greenland and other contributions.

Copy seen: NN.

1026. BANG, H. V. Om rationel hvalfangst in Grønland. (Grønlandske selskab. Aarskrift, 1912. p. 19-41) *Title tr.:* On scientific whaling in Greenland.

Discusses history of whaling in Greenland; old and modern whaling methods; species of whales in Greenland waters, and their distribution, etc. Includes petition to the Danish Ministry of the Interior, requesting the establishment of a station for scientific whaling at Holsteinsborg, West Greenland.

Copy seen: NN.

1027. BANG-HAAS, ANDR. Lepidoptera Groenlandica. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1896, pub. 1897. Bd. 48, p. 178-95) Text in Danish.

Annotated list of thirty-six species of butterflies and moths from East and West Greenland, with notes on early records, distribution, and localities where found during the expeditions of 1889-90.

Copy seen: DSI-M.

BANGS, N. H., see Brooks, C. F., & N. H. Bangs. Severe winter in Europe, 1928-29. 1929.

1028. BANGS, OUTRAM, 1863-1932. A list of the mammals of Labrador. (American naturalist, July 1898. v. 32, p. 489-507)

List of fifty-one species, mainly corrections and additions to A. P. Low's *List of mammalia of the Labrador Peninsula*, 1895, q.v., with notes particularly on habitat or localities and references to descriptions. Includes two new species with full descriptions. Bibliography, p. 490-91.

Copy seen: DLC.

1029. BANGS, OUTRAM, 1862-1932. Notes on some mammals from Black Bay, Labrador. (New England Zoological Club. Proceedings, Feb. 1899. v. 1, p. 9-18)

Annotated list of eleven (including with descriptions, three new) species and subspecies; includes two which occur also in the region of Hamilton Inlet.

Copy seen: DSI-M.

1030. BANGS, OUTRAM, 1863-1932. On a small collection of mammals from Hamilton Inlet, Labrador. (Biological Society of Washington. Proceedings, Sept. 1897. v. 11, p. 235-40, plate)

Annotated list of eleven species of the smaller mammals collected during July-Sept. near Rigoulette, about eighty miles up Hamilton Inlet.

Copy seen: DSI-M.

BANGS, OUTRAM, 1862-1932, see also Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

BANGS, OUTRAM, 1862-1932, see also Thayer, J. E., & others. Notes on birds & mammals E. Siberia. 1914.

1031. BANGSTED, HELGE. De i Grønland anvendte pattedyrnavne. (Grønlandske selskab. Aarskrift, 1926-27, p. 29-39) **Title tr.:** Greenlandic names for mammals.

Notes changes in Greenlandic names of mammals since the publication of Otto Fabricius' *Fauna groenlandica*, 1780; lists 25 mammals and gives their Eskimo names of today. Contains data on derivation of names, also variations of names, etc. Challenged by J. Petersen and Kr. Lynge in *Nogle oplysende bemærkninger*, 1927-28, q.v.

Copy seen: NN.

1032. BANGSTED, HELGE. Pattedyr- og fuglenavne hos padlimiut- og aivilik-eskimoerne. Noter fra den 5. Thule-

ekspedition. (Geografisk tidsskrift, Kjøbenhavn, 1928. Bd. 31, p. 164-72) **Title tr.:** Padlimiut and Aivilik Eskimo mammal and bird names; notes from the Fifth Thule Expedition.

Fifty-one animal or bird names in Danish (with Latin equivalent) and in dialects of West Greenlanders and these Caribou Eskimo tribes.

Summary in English.

Copy seen: DLC.

1033. BANGSTED, HELGE. Pattedyrlivet paa Barren Grounds; optegnelser fra den 5. Thule-ekspedition. (Geografisk tidsskrift, Kjøbenhavn, 1931. Bd. 34, p. 26-32) **Title tr.:** Mammals on the Barren Grounds; notes from the Fifth Thule Expedition.

Systematic list with field notes on nineteen land and sea mammals found living on the Barren Grounds of northern Canada and in coastal regions of Hudson Bay between Cape Fullerton and Rankin Inlet.

Copy seen: DLC.

BANGSTED, HELGE, see also Hørring, R., & others. Birds collected on the 5th Thule Exped. 1937.

***BANKHEAD-JONES SPECIAL RESEARCH FUND, see** Byers, H. R. Data for aerological soundings Fairbanks. 1940.

***BANKHEAD-JONES SPECIAL RESEARCH FUND, see** Byers, H. R., & V. P. Starr. Circulation of atmosphere high latitudes. 1941.

***BANKHEAD-JONES SPECIAL RESEARCH FUND, see** Wexler, H. Observ. nocturnal radiation Fairbanks. 1941.

1034. BANKS, NATHAN, 1868- . The Acarina [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. H, p. 11-13, illus.)

List, with notes on locations, of seventeen species of mites (including one new species fully described) from Yukon and Northwest Territories.

Copy seen: DSI-M.

1035. BANKS, NATHAN, 1868- . Arachnida. Papers from the Harriman Alaska Expedition. XI. Entomological results (5). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 477-86, plate) Reprinted, 1904, in "Funds made available through the Bankhead-Jones Act of 1935."

Ashmead, W. H., and others. Insects, part I. Harriman Alaska series, v. 8, p. 35-46.

List, with synonymy and localities, of fifty-two (including, with descriptions, six new) species of spiders and mites from southern and southeastern Alaska. *Copy seen:* DLC.

1036. BANKS, NATHAN, 1868- . Arachnida from the Malaspina Glacier, Alaska. (Entomological news, Jan. 1898. v. 9, p. 16)

List of four (including with description, one new) species of spiders, with notes. *Copy seen:* DSI-M.

1037. BANKS, NATHAN, 1868- . Neuropteroid insects. Ottawa, King's Printer, 1918. 5 p. incl. plate. (Canadian Arctic Expedition, 1913-1918. Report. v. 3: Insects, Pt. B)

List, with some descriptions and locations, of seven (including two new) species from Alaska and Bernard Harbour, Northwest Territories.

Copy seen: DSI-M.

1038. BANKS, NATHAN, 1868- . Neuropteroid insects. Papers from the Harriman Alaska Expedition. X. Entomological results (4). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 465-76, 2 plates) Reprinted, 1904, in Ashmead, W. H., and others. Insects, part I. Harriman Alaska series. v. 8, p. 155-68.

List, with synonymy and localities, of thirty-four (including, with descriptions nine new) species from southern and southeastern Alaska.

Copy seen: DLC.

BANKS, NATHAN, 1868- , see also Preble, E. A., & others. Biological survey of Pribilof Islands. 1923.

1039. BANKSON, RUSSEL ARDEN, 1889- . *The Klondike Nugget*. Caldwell, Id., Caxton Printers, Ltd., 1935. 349 p. 22 plates.

The story of Eugene C. Allen's experiences in the Klondike and a history of his newspaper, *The Klondike Nugget*. *Copy seen:* DLC; NNStef.

1040. BANNER, ALBERT HENRY, 1914- . A taxonomic study of the Mysidacea and Euphausiacea (Crustacea) of the northeastern Pacific. I-II. (Royal Canadian Institute. Transactions, Oct. 1947-1948. v. 26, p. 345-99, 9 plates; v. 27, p. 65-125, incl. 7 plates)

Includes that part of the North Pacific Ocean north of 45°N. and east of 180°, and the adjacent sections of the Bering Sea and Arctic Ocean.

Contents: Pt. 1. Mysidacea, from family Lophogastridae through tribe Erythropini. Pt. 2. Mysidacea, from tribe Mysini through subfamily Mysidellinae.

To the sixteen species of mysids previously reported, sixteen more are added here, seven species and one genus of which are described as new.

Copy seen: DLC.

BANNERMAN, HAROLD MacCOLL, 1897- , see Gill, J. E., & others. Wapussakatoo Mts. Labrador. 1937.

1041. BANNIKOV, A. G. Zametki po ornitofaune poluostrova Kanina. (Leningrad. Vsesoŭznyi arkticheskii institut. Trudy, 1934. T. 11, p. 87-94) *Title tr.:* Notes on the bird fauna of Kanin Peninsula.

Observations made by the author in the summer of 1932; thirty-six species are noted.

Summary in English.

Copy seen: DLC.

1042. BANNISTER, HENRY MARTYN, 1844-1920. Journal, March 21, 1865-January 20, 1867. (In: James, J. A. *The first scientific exploration of Russian America and the purchase of Alaska*, 1942. p. 137-264, 3 plates. Note p. 245-52 appears between p. 260-261)

Contains introduction by J. A. James, outlining Bannister's life and work (with list of his publications), the significance and discovery (in 1939) of his journal, of which books 1-3 are published here for the first time.

The journal is a record of Bannister's participation as a member of the exploration party in the so-called Russian American expedition 1865-68, undertaken by the Western Union Telegraph Co. in cooperation with the Smithsonian Institution and the Chicago Academy of Sciences to investigate the possibility of establishing a telegraph route from America to Asia, and to make scientific collections and explorations.

Bannister gives day-to-day notes on the trip (by sea) from New York to San Francisco, to St. Michael, Alaska, arriving Aug. 1865; his activities at St. Michael; his instructions (from Prof. Henry) for making meteorologi-

cal observations, and Mar.-Sept. 1865, notes on temperature, wind, auroras, along with comment on Eskimos, Indians, Russians, and wild life, especially birds; the trip from St. Michael to Plover Bay, Chukotsk Peninsula, thence to Kamchatka (Petropavlovsk); the voyage home by San Francisco to New York. Appended (p. 265-73) is a letter from Bannister to his parents dated from Petropavlovsk, Kamchatka, Nov. 12, 1866, summarizing his experience.

Copy seen: DLC.

BANNISTER, HENRY MARTYN, 1844-1920, *see also* Dall, W. H., & H. M. Bannister. List of birds of Alaska. 1869.

1043. BANTING, Sir FREDERICK GRANT, 1891-1941. With the arctic patrol. (Canadian geographical journal, May 1930. v. 1, p. 19-30, illus.)

An amateur artist's account of the scenery, the drift ice, and the Eskimos, as observed on the Canadian Eastern Arctic patrol, 1927, to Ellesmere and Baffin Islands.

Copy seen: DLC.

BANTING, Sir FREDERICK GRANT, 1891-1941, *see also* Jackson, A. Y. Far North, book of drawings. 1927.

1043A. BARABANOV, N. Rabota ledokolov s nosovymi vintami. (Morskoi flot, Iñul' 1948. God 8, no. 7, p. 24-27) *Title tr.*: Performance of ice-breakers with forward screws.

"Author urges use of forward screws for work in any but polar ice; performance of *North Wind* class ships quoted."—Polar Record, July 1950, v. 5, no. 40, p. 642.

Copy seen: DLC.

1044. BARABASH-NIKIFOROV, I. I. K biologii komandorskogo pestša. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937, T. 65, p. 145-67) *Title tr.*: The biology of the Commander Islands arctic fox.

Description of its distribution, feeding, and breeding habits.

Copy seen: DLC.

1045. BARABASH-NIKIFOROV, I. I. Komandorskie ostrova. (Sovetskii Sever, 1934, no. 4, p. 41-51, illus.) *Title tr.*: Commander Islands.

General description of the region and its Aleut population, their physical and moral characteristics, food, occupations, diseases, mortality rate, etc.

Copy seen: DLC.

1046. BARABASH-NIKIFOROV, I. I. Lastonogie Komandorskikh ostrovov. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1935. T. 3, p. 223-37, illus., maps, diagrs.)

Title tr.: Pinnipeds of Commander Islands.

Account of the distribution of seals observed in 1930-32 on the Commander Islands, with comment on their tagging and descriptions of the biological habits of six varieties.

Summary in German.

Copy seen: DLC.

1047. BARABASH-NIKIFOROV, I. I. Mammals of the Commander Islands and the surrounding sea. (Journal of mammalogy, Nov. 1938, v. 19, p. 423-29)

Contains a brief description of the natural conditions of these islands, and an annotated list of twenty-one species (with special attention to the arctic fox), including six whales, a porpoise, and six seals; with a bibliography (9 items).

Copy seen: DSI-M.

1048. BARABASH-NIKIFOROV, I. I. The sea otters of the Commander Islands. (Journal of mammalogy, Nov. 1935. v. 16, p. 255-61) Based on observations of the author, 1930-32.

Contains notes on sea otters' size and weight, external characteristics, pelage replacement, habitat and general habits, food and feeding habits, breeding habits, competitors, enemies, and parasites; with a bibliography (7 items).

Copy seen: DSI-M.

BARAKHOV, I. V Èvenkiiskom național'nom okruge, *see* No. 993.

1049. BARANOV, I. ĪA. O metodike sostavleniia merzlotnykh kart. (Akademiia nauk SSSR. Komitet po vechnoi merzlot. Trudy, 1938. T. 6, p. 107-125, 3 diagrs.) *Title tr.*: Methods of charting permafrost.

Contains a discussion of the theoretical and practical importance of information concerning permafrost, and suggests compiling it in the form of three kinds of maps: survey, semi-detailed, and detailed. Each type is described, and instructions are given for gathering necessary data on climate, relief, geology, hydro-geology, and fauna; for the field and laboratory work on ground investigation, depth of

permafrost; and for the actual preparation of the maps.

Copy seen: DLC.

1050. BARANOV, K. A. K geologii mirabilita Nordvixskogo solianokupol'nogo mestorozhdeniia. (Nedra Arktiki, 1947, no. 2, p. 177-88, diagrs.) *Title tr.:* On the geology of mirabilite of the Nordwick deposit.

The first reference in print on the discovery of mirabilite, of which three types occur in association with a salt dome in the Nordvik region of Yurung Tumus Peninsula in Krasnoyarskiy Kray. The origin of the mineral is attributed to precipitation of sodium sulphate from solutions circulating in the salt stock.

Summary in English.

Copy seen: DLC.

1051. BARANOV, VLADIMIR ISAKOVICH, 1889- . Iskopaemye diatomei iz tretichnykh otlozhenii SSSR. (Sovetskaiia botanika, 1942, no. 1-3, p. 28-38, illus.) *Title tr.:* Fossil diatoms from Tertiary deposits of the U.S.S.R.

Contains data on forty-four forms of diatoms, including thirty-nine marine forms from Pliocene deposits discovered in 1930-31 on the eastern coast of Kamchatka Peninsula; bibliography (14 items).

Copy seen: MH-A.

1052. BARANOV, VLADIMIR ISAKOVICH, 1889- . Iskopaemye komplekсы verkhne-melovoi flory SSSR. (Kazan'. Gosudarstvennyi universitet im. V.I. Ul'ianova-Lenina. Uchenye zapiski, 1942. T. 102, p. 45-74, plates 1-22) *Title tr.:* Fossil complexes of the Upper Cretaceous flora of the U.S.S.R.

Contains a paleobotanical study of the Upper Cretaceous flora of various regions of the European and Asiatic Russia, based partly on collections of A. N. Krishtofovich in Kolyma River basin, Yakut A.S.S.R., and those of B. V. Khvatov (eight species) from Penzhina Bay, Kamchatka region; bibliography (37 items).

Copy seen: MH.

1053. BARBEAU, CHARLES MARIUS, 1883- . The Aleutian route of migration into America. (Geographical review, July 1945. v. 35, p. 424-43, illus.)

In support of the thesis that "the Aleutian path of entry has been traveled by successive waves of coast and island populations from eastern Asia,"

Barbeau tells of evidence of recent ancestral migration he has found in a traditional tale of the Githawn or Salmon-eater tribe in the Portland Canal region. From Haida, Tsimshian and other groups, he describes and illustrates art motifs, objects of adornment, use, and costume, exemplifying cultural affiliation of tribes of the North American west coast, with those of the Asiatic east coast.

Copy seen: DLC.

1054. BARBEAU, CHARLES MARIUS, 1883- . Indian tribes of Canada. (Man; a monthly record of anthropological science, Aug. 1913. v. 13, p. 122-27)

General view of the status of anthropology in Canada, with brief mention of the outstanding contributors and notable gaps in knowledge of the Eskimos and Indians of Canada.

Copy seen: DLC.

1055. BARBEAU, CHARLES MARIUS, 1883- . The modern growth of the totem pole on the northwest coast. (Smithsonian Institution. Annual report, 1939, pub. 1940. p. 491-98. 5 plates) Reprinted, with slight revisions by the author and the addition of some illustrations, from the Washington Academy of Sciences. Journal, v. 28, no. 9, Sept. 15, 1938.

Contains descriptions of the totem poles of the British Columbia and southeast Alaskan Indians, including the Haida and Tsimshian; discussion of their significance as vehicles of a heraldic system, their age and placement; also remarks upon evidence in totem poles and other art forms of cultural exchange between Indians and natives of Asia and the South Pacific.

Copy seen: DLC.

1056. BARBEAU, CHARLES MARIUS, 1883- . The Siberian origin of our north-western Indians. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934. v. 4, p. 2777-89, music)

Discussion of evidence for Siberian origin of Athapaskan and northwest coast Indians, chiefly on the basis of similarity of songs between Paleo-Siberians (recorded on the Jesup Expedition) and American Indians. Includes historical and traditional instances of Indians' migration south-

ward and eastward in northwestern North America. *Copy seen:* DLC.

1057. BARBEAU, CHARLES MARIUS, 1883- . Totem poles: a recent native art of the northwest coast of America. (Smithsonian Institution. Annual report, 1931, *pub.* 1932. p. 559-70, illus. (map) 6 plates) Reprinted (with illus. somewhat enlarged) from the Geographical review, April 1930. v. 20, p. 258-72.

Summary account of the heraldic significance, the origin and development of artistic forms, and of the technique of carving, making and erecting totem poles, among Haida, Tsimshian, and Tlingit Indians of northern British Columbia and southeast Alaska.

Copy seen: DLC.

BARBEAU, CHARLES MARIUS, 1883- . *see also* Camsell, C., & C. M. Barbeau. Loucheux myths. 1915.

BARCA, EMIL TONI, 1888- . *see* Knaben, N., & E. T. Barca. Zoological results of Norwegian exped. to East Greenland. VI. 1. Makrolepidopteren aus Nordostgrönland. 2. Mikrolepidopteren aus Nordostgrönland. 1937.

BARDARSON, IVAR, *see* Báardson, Ivarr, 14th century.

1058. BARGER, CECIL E. It's a long road. (Alaska sportsman, Nov. 1945. v. 11, no. 11, p. 12-13, 43-46, illus.)

General remarks on the Alaska Highway with a description of its accommodations for travelers, its driving conditions and scenic beauties.

Copy seen: DLC.

1059. BARGER, CECIL E. Railroad in miniature. (Alaska life, Aug. 1945. v. 8, no. 8, p. 38-43, illus.)

Description of route, with notes on the history and modern development of the White Pass & Yukon Railroad between Skagway, Alaska and Whitehorse, Yukon Territory.

Copy seen: DLC.

1060. BARGER, CECIL E. A sturdy little line. (Alaska sportsman, Jan. 1946. v. 12, no. 1, p. 10-11, 31-37, illus.)

Popular account of service during World War II, of the White Pass & Yukon Railroad which runs from Skagway, Alaska to Whitehorse, Yukon Territory.

Copy seen: DLC.

1061. BARKER, BERTRAM. North of '53; the adventures of a trapper and prospector in the Canadian far North. London, Methuen & Co., Ltd. [1934] ix p., 1 l., 242 p., 1 l., 12 plates, ports., map on lining-paper.

The author hunted, trapped and prospected in the Barren Grounds west of Hudson Bay, as far north as Chesterfield Inlet.

Copy seen: DLC; NNSStef.

1062. BARKER, CHARLES. A. Dimond from Alaska. (Alaska life, June 1940. v. 3, no. 6, p. 3, 15, 17, 23, port.)

Biographical sketch of Anthony J. Dimond, the Alaskan delegate to the U. S. Congress, 1933-45, and U. S. district judge at Anchorage, Alaska since 1945.

Copy seen: DLC.

1063. BARKER CHARLES. The Chickaloon road, one of the world's most scenic highways. (Alaska life, Mar. 1942. v. 5, no. 3, p. 8-10, illus., sketch map)

Description of Glenn Highway between Palmer, Alaska and the Richardson Highway.

Copy seen: DLC.

BARKER, CHARLES, *see also* Gordon, C. E., & C. Barker. War on Richardson Highway. 1940.

1064. BARKOW, ERICH, 1882- . Barometrische Höhenbestimmungen. (In: Philipp, H., ed. Ergebnisse der W. Filchner'schen Vorexpedition nach Spitzbergen, 1910, *pub.* 1914, p. 48-50) *Title tr.*: Determinations of barometric altitudes. (Results of the W. Filchner Preliminary Expedition to Spitsbergen, 1910)

Note on method and instrumentation, with results of determinations for the glaciers between Temple Bay and the east coast. *Copy seen:* DLC; NNSStef.

1065. BARKOW, ERICH, 1882- . Luftelektrische Messungen in Spitzbergen und im Nördlichen Eismeer. (In: Philipp, H., ed. Ergebnisse der W. Filchner'schen Vorexpedition nach Spitzbergen, 1910, *pub.* 1914. p. 53-62, incl. tables) *Title tr.*: Measurements of atmospheric electricity in Spitsbergen and Greenland Sea. (Results of the W. Filchner Preliminary Expedition to Spitsbergen, 1910)

Contains measurements of the potential gradients and conductivity of the air, taken at sea between Tromsø and

ice Fiord, and those taken in Spitsbergen at sea level and on the Von Post Glacier (580 meters).

Copy seen: DLC; NNNStef.

1066. BARKOW, ERICH, 1882- . Meteorologische Beobachtungen im innern Spitzbergens. (*In:* Philipp, H., ed. Ergebnisse der W. Filchner'schen Vor-expedition nach Spitzbergen, 1910, *pub.* 1914. p. 50-52, incl. table) *Title tr.:* Meteorological observations in central Spitsbergen. (Results of the Filchner Preliminary Expedition to Spitsbergen, 1910)

Irregular (3-4 times daily) observations of meteorological elements, with notes on location during the journey across the glaciers from Temple Bay to the east coast, Aug. 5-20, 1910.

Copy seen: DLC; NNNStef.

BARKSDALE, WILLIAM L., *see* Black, R. F., & W. L. Barksdale. Oriented lakes of N. Alaska. 1949.

1067. BARKUSOV. Pokhod gidrograficheskogo korablâ "Taïmyr" k l'dine Papanina. (Morskoï sbornik, 1939, no. 3, p. 56-62) *Title tr.:* Voyage of the hydrographic ship *Taïmyr* to Papanin's ice-floe.

Account of the relief of the party on the ice-floe drifting expedition "North Pole" in 1938 off East Greenland.

Copy seen: MH-L.

1068. BARLINDHAUG, EINAR, 1905- . Results of registrations of the atmospheric electric potential gradient at the Auroral Observatory, Tromsø, during the period March 1932-July 1933. Oslo, Cammermeyer, 1935. 12 p. illus. incl. map, plan) diagrs. (Geofysiske publikasjoner. v. 10, no. 12)

Contains description of the station, instrumentation and standardizing tests; discussion of results, and tabular or graphical presentation of the quiet hourly mean of the potential gradients, extreme values and annual and diurnal variations; and notes on meteorological factors which affect the gradients.

Copy seen: DLC.

BARLOW, ALFRED ERNEST, 1861-1914, *see* Bell, J. M. Report on topography & geology Great Bear Lake to Great Slave Lake. 1901.

1069. BARMASOV, A. P. Sovremennoe sostoiânie zavodskoi raboty s laikami v Leningrade. (Leningrad. Vsesoiûz-

nyi arkticheskii institut. Trudy, 1936. T. 56, p. 9-27, illus.) *Title tr.:* Present situation in the breeding of huskies in Leningrad.

A general article on types of huskies bred for hunting, driving and reindeer watching.

Copy seen: DLC.

1070. BARNABY, JOSEPH T. Fluctuations in abundance of red salmon *Oncorhynchus nerka* (Walbaum), of the Karluk River, Alaska. (U. S. Fish and Wildlife Service. Fishery bulletin, 1944. v. 50, p. 237-95, incl. tables, sketch map, diagrs.)

Contains discussion of age at maturity, spawning populations, age composition, migrations, sex ratios, marking experiments, and mortality of the fishes of this river on Kodiak Island. Chemical analysis of lake and stream waters, including tables of depths, temperature, pH, free carbon dioxide, soluble phosphorus, silica, and nitrite nitrogen, for two lakes and twenty streams, July-Aug. Bibliography.

Copy seen: DF.

BARNARD, EDWARD CHESTER, 1863-1921, *see* Brooks, A. H., & others. Reconnaissance Cape Nome & Seward Pen. 1900. 1901.

BARNARD, EDWARD CHESTER, 1863-1921, *see* U. S. Geological Survey. Maps & descriptions of routes exploration in Alaska 1898. 1899.

BARNARD F. A. P., *see* Alexander, S., & others. Report to the Supt. of U. S. Coast Survey on exped. to Labrador to observe the total eclipse, 1860. 1861.

1071. BARNES, CLIFFORD ADRIAN, 1905- . Oceanographic investigations in Baffin Bay in 1940. (*In:* U. S. Coast Guard. International ice observation and ice patrol service, 1940. *Pub.* as its: Bulletin, 1941, No. 30, p. 27-35, 2 fold. charts, 4 diagrs. (1 fold.))

Account of the oceanographic studies made during the cruise of U. S. Coast Guard cutter *Northland* in 1940 in Baffin Bay-Davis Strait. Includes new oceanographic data for the western part of Baffin Bay, dynamic and bottom topography, characteristics of the Baffin Land Current; a review of Baffin Bay circulation in consideration of the new data on this current, and a comparison of the waters of Baffin Bay and Labrador Sea, with discussion of interchange between these two bodies of water.

Copy seen: DLC.

1072. BARNES, CLIFFORD ADRIAN, 1905- , and others. Summary of the oceanographic investigations of Bering Sea and Bering Strait. (American Geophysical Union. Transactions, 1935. v. 16, p. 258-64, tables) Other authors: T. G. Thompson and F. A. Zeusler.

Brief description of the region, apparatus and methods, temperature and chlorinity values, nutrient salts and dissolved oxygen, and currents, based on observations made in the summer of 1934. *Copy seen:* DGS.

BARNES, CLIFFORD ADRIAN, 1905- , see also Thompson, T. G. & others. Distribution of dissolved oxygen. 1934.

BARNES, CLIFFORD ADRIAN, 1905- , see also Thompson, T. G. & others. Report of preliminary survey of waters of SE. Alaska. 1934.

1073. BARNES, FARRELL FRANCIS, 1905- . Coal investigations on the southern margin of the Homer district, Kenai coal field, Alaska, in 1947-48. [Washington] 1949. p. l., 12 p. 4 fold. plates, tables, fold. map. (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Contains a general description of the area lying (roughly) between 59°40'-60°25'N. 150°35'-151°50'W. which comprises the Homer district; brief notes on its stratigraphy and structure, and a report on the character and distribution, physical and chemical properties, burning of beds and reserves of the coal in the southern margin, along Kachemak Bay and westward along the southern end of the district to beyond Homer. *Illus., maps:* Fig. 1, Index map shows location of Homer district. Plates are (1) geologic map of the southern margin; (2-3) stratigraphic sections of coal-bearing strata, southern margin, and (4) sections illustrating lateral changes in coal beds in the Homer district. *Copy seen:* DGS.

1074. BARNES, FARRELL FRANCIS, 1905- . Geology of the Portage Pass area, Alaska. (In: U. S. Geological Survey. Mineral resources of Alaska in 1939. Bulletin, 1943. No. 926, p. 211-35, 9 plates (incl. 2 fold. maps))

Results of an investigation, made by the Alaska Railroad, in cooperation with the U. S. Geological Survey in 1939, to determine the feasibility of

constructing a railroad to connect the head of Turnagain Arm (Cook Inlet) with the head of Passage Canal (Prince William Sound), containing a description (with maps) of the topography and geology, with a summary of engineering problems. *Copy seen:* DGS

1075. BARNES, FARRELL FRANCIS, 1905- , and F. M. BYERS. Geology and coal resources of the eastern part of the lower Matanuska valley coal field, Alaska. [Washington] 1945? 2 p. l., 21 p. fold. table, map, 5 diagrs. (4 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Based on field work, July-Oct. 1944. in "an area roughly seven miles long" centering about 61°45'N. 148°53'W. Description of general, stratigraphic, and structural geology, and (in more detail) the general character and distribution of the coal deposits, coal reserves and future mining operations. *Copy seen:* DGS.

1076. BARNES, HOWARD TURNER, 1873- . Ice engineering. Montreal, Renouf Publishing Co. [c1928] 5 p. l., 364, ii p. incl. illus., tables, diagrs.

A fundamental and exhaustive treatment of the physical properties and behavior of fresh-water ice, based on laboratory and field investigations.

Contents: 1. Equilibrium of the ice-water system. 2. Physical constants of ice. 3. Rate of growth and melting of surface-formed ice, infra-red absorption, various kinds of ice. 4. Theories of formation of anchor ice. 5. Frazil ice. Winter ice floods. 6. Ice remedial work, use of steam, thermit, hot water, calcium chloride and other chemicals. 7. Ice pressure and expansion. 8. Ice navigation and ice breaking. 9. Conservation of heat in lakes and rivers for ice prevention, evaporation, power houses and power canals. 10. Glacier ice and icebergs. Bibliography (over 350 items). *Copy seen:* DGS.

1077. BARNES, HOWARD TURNER, 1873- . Ice formation, with special reference to anchor-ice and frazil. New York, J. Wiley & Sons; [etc., etc.] 1906. x, 260 p. incl. illus., 9 plates, fold. diagr.

A coordination of the author's various papers on fresh-water ice, with addition of a chapter on the physical constants of ice. Includes chapters on

formation, growth, structure and temperature of river ice, theories concerning frazil and anchor ice, and notes for engineers faced with river ice problems. *Copy seen:* DLC.

1078. BARNES, HOWARD TURNER, 1873- . Icebergs and their location in navigation. (*Nature*, June 20, 1912. v. 89, p. 411-14, diagsr.)

"Abridged from a discourse delivered at the Royal Institution on" May 31, 1912, this is a concise statement of origin, movements, and limits of North Atlantic ice; notes on surface temperature of Labrador Current, Pettersson's theory of ice melting, also use of, and experiments with microthermometers for locating ice.

Copy seen: DLC.

1079. BARNES, HOWARD TURNER, 1873- . The rise of temperature associated with the melting of icebergs. (*U. S. Weather Bureau. Monthly weather review*, Nov. 1912. v. 40, p. 1754-6, diagsr.)

The rise of sea-water temperature in the vicinity of a melting iceberg in salt water is due to the warm salt current which develops and flows toward the ice, and to the light current of fresh water from the ice on the surface. The latter current is heated by the sun and does not mix readily with the salt water.

Copy seen: DLC.

1080. BARNES, HOWARD TURNER, 1873- . Some physical properties of icebergs and a method for their destruction. (*Royal Society of London. Proceedings*, 1927. v. 114, p. 161-68, 4 plates)

Notes on structure, chemical analysis, and amount of air in iceberg ice, and on the use of thermit, as an explosive for bergs' destruction.

Copy seen: DLC.

BARNES, KATHLEEN, *see* Gregory, H. E., & K. Barnes. North Pacific fisheries. 1939.

1081. BARNETT, HARRY E., and others. Medical conditions in Alaska. (*American Medical Association. Journal*, Oct. 25, 1947. v. 135, p. 500-510) *Other authors:* J. Fields, G. Milles, J. Silverstein, and A. Bernstein.

Based on a three-week study by the authors, appointed by the Advisory Committee of the American Medical Association to the Dept. of the In-

terior, to visit localities in all parts of Alaska, July-Aug. 1947. Contains general introductory remarks on the area, comment on population since World War II, and sanitation problems due to permafrost; also notes on tuberculosis, eye health, venereal disease, communicable diseases, sanitation, medical personnel, hospitals, lack of a mental hospital, alcoholism, housing, and recommendations.

Copy seen: DLC; NNNStef.

1082. BARNETT, VICTOR H. Striations in gravel bars of the Yukon and Porcupine Rivers, Alaska. (*Journal of geology*, Jan.-Feb. 1908. v. 16, p. 76-78)

Discussion of the possible agents causing striations: trees, debris, or ice carried by the rivers.

Copy seen: DGS.

1083. BARNSTON, GEORGE, 1800-1883. Recollections of the swans and geese of Hudson's Bay. (*Ibis*, July 1860. v. 2, p. 253-59) Issued also in *Canadian naturalist*, Oct. 1861. v. 6, p. 337-44.

Notes on the species, habits, abundance, and localities of these birds in the region of James and Hudson Bays.

Copy seen: DSI-M.

1084. BARNUM, FRANCIS. Grammatical fundamentals of the Innuitt language as spoken by the Eskimo of the western coast of Alaska. Boston & London, Ginn & Co., 1901. xxv, 384 p.

The author served as a Jesuit missionary for several years (beginning 1891) in the region between Nushagak and St. Michael which includes the Yukon Flats. *Copy seen:* DLC; NNNStef.

1085. BARNUM, FRANCIS. To the Yukon River by way of Chilkoot Pass. [Woodstock, Md.? 1896?] 18 p. (Woodstock Letters)

Letter from Father Barnum to Father Richards, dated Forty Mile, Alaska, July 1896, describing his foot journey from Dyea to the lakes beyond Chilkoot, with comment on the route, lakes and upper Lewes River.

Copy seen: NNNStef (note in volume states that Woodstock Letters were published by a Jesuit school near Woodstock, Md. for circulation among the clergy).

BARNUM, G. L., see Ellis, N. R., & others. Vitamin content of lichens. 1933.

1086. BAROVSKII, V. V. Opisaniye odonogo vida *Silis* Latr. (Coleoptera). (Akademiya nauk SSSR. Komissiya po izucheniyu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1926. Vyp. 3, p. 13-14, illus.) *Title tr.:* A description of a new species *Silis* Latr. (Coleoptera).

Description (in Latin) of a new species of a beetle found in the Yakut A.S.S.R. *Copy seen:* DLC.

1087. BARR, L. F. A taku is blowing. (Alaska sportsman, Dec. 1940. v. 6, no. 12, p. 12-13, 30, illus.)

Discussion of a sudden, violent wind occurring in the Juneau and Taku Inlet region of southeastern Alaska, and its causes. *Copy seen:* DLC.

1088. BARRETT-HAMILTON, GER-ALD EDWIN HAMILTON, 1871-1914. Kamchatka. (Scottish geographical magazine, May 1893. v. 15, p. 225-56, 4 plates)

Naturalist's description of the east coast of the peninsula, with notes on the physical features, birds, animals, climate, etc.; account of the exploration of the area, accompanied by a bibliography; descriptions of Petropavlovsk, Avacha Bay, and Karaginskiy Island (58°50'N. 164°E.) drawn from observations of the author during visits in 1896-97. *Copy seen:* DLC.

1089. BARRETT-HAMILTON, GER-ALD EDWIN HAMILTON, 1871-1914. Notes and descriptions of some new species and subspecies of Mustelidae. (Annals and magazine of natural history, May 1904. Ser. 7, v. 13, p. 388-95)

Includes descriptions of two new stoats from North Greenland, collected by the British Arctic Expedition, 1875-76, under Nares. *Copy seen:* DSI-M.

1090. BARRETT-HAMILTON, GER-ALD EDWIN HAMILTON, 1871-1914. Notes on the birds observed during three visits to Kamchatka in 1896 and 1897. (Ibis, Apr. 1900. Ser. 7, v. 6, p. 271-98)

Results of observations during brief landings at Petropavlovsk and some hours near Karaginskiy Island, during the author's missions to the fur-seal islands. Discussion of the character of the avifauna, and an annotated list of forty-four species. *Copy seen:* DSI-M.

1091. BARRETT-HAMILTON, GER-ALD EDWIN HAMILTON, 1871-1914,

and H. O. JONES. A visit to Karaginski Island, Kamchatka. (Geographical journal, Sept. 1898, v. 12, p. 280-99, illus., sketch map)

Observations made during a visit of H.M.S. *Linnet*, Aug. 1897, while the authors were employed by the Bering Sea Mission. Includes descriptions of the physical features and natural history of the island (58°50'N. 164°E.) and of Karaga, a harbor on the nearby Kamchatka coast; also notes (in some detail) of the dwellings, clothing, and appearance of the inhabitants of the two places. *Copy seen:* DLC.

1092. BARRINGTON, DAINES, 1727-1800. The possibility of approaching the North Pole asserted . . . By the Hon. D. Barrington. A new ed. With an appendix, containing papers on the same subject, and on a North West Passage. By Colonel Beaufoy. 2d ed. London, T. & J. Allman [etc.] 1818. xxiv, 258 p. incl. front. (fold. map)

New edition of the author's *Probability of reaching the North Pole discussed*, 1775, with a new map and:

Appendix: Queries respecting the probability of reaching, from the island of Spitzbergen, the North Pole, by means of reindeer, during the winter. (Information on winter conditions, huts, clothing needed, etc., on West Spitsbergen). *Copy seen:* DLC; NNS Stef.

1093. BARRINGTON, DAINES, 1727-1800. The probability of reaching the North Pole discussed. London, C. Heydinger, 1775. 1 p. l., 90 p.

Compilation of facts derived from records of early navigators, and results from queries to whaling and fishing captains concerning ice conditions in northern Greenland Sea and Baffin Bay, with discussion of the best season for open water in polar regions.

Copy seen: DLC; NNS Stef.

1094. BARRON, WM. Old whaling days. Hull, Wm. Andrews & Co., 1895. (London, Simpkin, Marshall, etc.) x, 211 p.

Accounts of the author's many whaling voyages to Baffin Bay, in the middle 19th century, describing the whaling weather and ice conditions, life on board and uncertainties of the industry; with some statistics on Hull whaling vessels, and a glossary.

Copy seen: DLC; NNS Stef.

1095. BARROW, Sir JOHN, Bart., 1764-1848, and others. Communications on a North-West Passage, and further survey of the northern coast of America. (Royal Geographical Society. Journal, 1836. v. 6, p. 34-50)

Contains letters written in response to a request of a committee of the Royal Geographical Society, appointed to examine plans and suggestions for further exploration for a Northwest Passage. Includes communications from Sir John Barrow, Sir John Richardson, Sir John Franklin, Sir John Ross, and Sir Francis Beaufort.

Copy seen: DLC.

1096. BARROW, Sir JOHN, Bart., 1764-1848. Voyages of discovery and research within the arctic regions, from the year 1818 to the present time: under the command of the several naval officers employed by sea and land in search of a North-West Passage from the Atlantic to the Pacific; with two attempts to reach the North Pole. Abridged and arranged from the official narratives, with occasional remarks. London, J. Murray, 1846. xiv, 530 p. front. (port.) 2 maps (1 fold.) Also published in New York by Harper, 1846 (359 p. 2 maps).

Contains a detailed account of the principal British expeditions into the North American Arctic (also to Svalbard), from that of Ross in 1818 to those of Back and Simpson, 1836-39; their scientific achievements, and contribution towards discovery of a North-west Passage. The final chapter includes criticism of Sir John Ross' second voyage 1829-33, to which Ross replied in his *Observations on a work . . . by Sir John Barrow*, 1846, q.v.

Copy seen: DLC; NNStef.

BARROW, Sir JOHN, Bart., 1764-1848, see also Harting, J. E. Catalogue arctic collection birds. 1871.

BARROW, Sir JOHN, Bart., 1764-1848, see also Parry, Sir W. E., & Sir J. Barrow. On practicability of reaching Pole. 1846.

BARROW, Sir JOHN, Bart., 1764-1848, see also Ross, Sir J. Letter to John Barrow. 1826.

1097. BARSKOV, A. Raboty biuro transkriptsii geograficheskikh nazvaniĭ Arkticheskogo instituta. (Problemy

Arktiki, 1940, no. 1, p. 97-99) *Title tr.:* Work of the Bureau of Transcription of Geographical Names of the Arctic Institute.

How Arctic Institute is solving problem of rendering native names into Russian.

Copy seen: DLC.

1098. [BARSUKOV, IVAN PLATO-NOVICH]. The life and work of Innocent, the Archbishop of Kamchatka, the Kuriles and the Aleutian Islands, and later the metropolitan of Moscow. San Francisco [Cubery & Co., Printers] 1897. 23, [1] p.

"Translated from the Russian and printed for distribution among the people by request of the Most Reverend Bishop Nicholas." Based on the author's *Pis'ma Innokentiĭu, mitropolita moskovskago i kolomenskago, 1828-1878.* (Letters of Innokenty, Metropolitan of Moscow and Kolomena. 1828-1878. pub. St. Peterburgh, 1897-1901, 3 v.)

Account of Veniaminov's early life and education; his missionary and educational work among the Aleuts and Kolosha (Tlingit Indians) on Unalaska, 1824-33, and Sitka (Baranof) Island 1833-38; his investiture as first bishop of Alaska, diocesan duties there and in Yakutia, 1840-67; elevation as metropolitan of Moscow, 1867; and death, 1879.

Copy seen: DLC.

1099. BARTELS, MAXIMILIAN CARL AUGUST, 1843-1904. Geräte der Eskimo aus Neu-Herrnhut bei Godthaab (an der südwest-Küste von Grönland). (Zeitschrift für Ethnologie. Berlin, 1900. v. 32 (Verhandlungen) p. 542-43 illus.) *Title tr.:* Implements of the Eskimo of New Moravia near Godthaab (on the southwest coast of Greenland).

Describes several bone and iron artifacts brought from western Greenland by a Moravian (Herrnhuter) missionary, Heinke.

Copy seen: DLC.

1100. BARTELS, MAXIMILIAN CARL AUGUST, 1843-1904. Die sogenannten Mongolen-Flecke der Eskimo-Kinder. (Zeitschrift für Ethnologie. Berlin, 1903. v. 35, p. 931-35) *Title tr.:* The so-called Mongolian spots of Eskimo children.

Reviews the reports of the occurrence of the so-called Mongolian spots (temporary bluish spots on the lower part of the backs of babies) among Eskimos.

Copy seen: DLC.

BARTENWERFFER, S. von, see Miethe, A., & H. Hergesell, editors. Mit Zeppelin nach Spitzbergen. 1911.

1101. BARTH, TOM. Die Pegmatitgänge der kaledonischen Intrusivgesteine im Seiland Gebiet. Oslo, Jacob Dybwad, 1927. 123 p. illus., 4 plates, maps (1 fold.) (Norske videnskapsakademi. Skrifter, I. Matematisk-naturvidenskapelig klasse, 1927, no. 8) *Title tr.*: Pegmatitic dikes in Caledonian intrusive rocks in the Seiland region.

Contains geographic note on Seiland (70°25'N. 23°E.) off the coast of northern Norway; geology of the region, petrology and petrography of its rocks; (2) minerals from the pegmatitic dikes; (3) petrology of the dikes; their origin and formation.

Copy seen: DLC.

1102. BARTHEL, CHRISTIAN, 1873- Recherches bactériologiques sur le sol et sur les matières fécales des animaux polaires du Groënland septentrional. (*In*: Thule ekspeditionen til Grønlands nordkyst. 2d, 1916-1918. [Beretninger] nr. 1. Pub. in: Meddelelser om Grønland, 1927. Bd. 64, p. 1-76, plate) *Title tr.*: Bacteriological investigations of the soil and the excrements of arctic animals of North Greenland.

Based on the collections and observations made by Dr. Thorild Wulff; discussion of bacteriological investigations, with lists of bacteria, samples of soils from Disko and samples of soils and animal excrements from the Cape York region and the northern coast of Greenland. *Copy seen:* DLC.

1103. BARTINI, R. L. Osobennosti poliarnogo samoleta. (Sovetskaiâ Arktika, 1935, no. 4, p. 31-32) *Title tr.*: Peculiarities of an arctic airplane.

The question of whether a special type of airplane should be built for flights in the Arctic is discussed by one who builds planes.

Copy seen: DLC.

1104. BARTLETT, EDWARD L., 1904- My views on the Alcan Highway. (Alaska life, Feb. 1943. v. 6, no. 2, p. 33-35)

Discussion of the influence which some Alaskans felt the new highway might have on colonization of the Territory. *Copy seen:* DLC.

1105. BARTLETT, MARION. Pack up your shovel. (Alaska life, Nov. 1946. v. 9, no. 11, p. 10-13, illus.)

General information on mineral resources of Alaska, for the amateur prospector. *Copy seen:* DLC.

1106. BARTLETT, ROBERT ABRAM, 1875-1946. Ice navigation. (*In*: American Geographical Society, N. Y. Problems of polar research, 1928. p. 426-42)

Discussion of polar ships and their construction, wooden versus steel ships, and ice movements in Baffin Bay and Labrador waters. Includes reminiscences of Bartlett's navigating experiences, especially with Peary.

Copy seen: DLC.

1107. BARTLETT, ROBERT ABRAM, 1875-1946. The log of Bob Bartlett; the true story of forty years of seafaring and exploration. New York, London, G. P. Putnam's Sons, 1928. xii, 352 p. front. (port.) 26 plates. Reissued subsequently several times, e.g., 6th impression, 1932.

Record of Captain Bartlett's many voyages, especially in the North American Arctic, including expeditions with Peary (on the last of which, 1908-09, he accompanied Peary part way to the Pole), also the Canadian Arctic Expedition 1913-18, under Stefansson (on which Bartlett commanded the *Karluk* on her final voyage); voyages in subsequent years of Bartlett's schooner, *Effie M. Morrissey*, in Greenland and Canadian arctic waters, as a collecting and expeditionary ship for many scientific institutions and explorers.

Copy seen: DLC; NNSf.

1108. BARTLETT, ROBERT ABRAM, 1875-1946. Loss of the *Karluk* and escape of the expedition to Wrangell Island. (American Geographical Society, N. Y. Bulletin, July 1914. v. 46, p. 520-23, sketch map)

Condensation of a dispatch dated from St. Michael, Alaska, May 31, 1914, printed in the *New York Times*, June 1, 1914, giving an account of the ship's drift in Beaufort and Chukchi Seas, Sept. 1913-Jan. 1914, its loss, efforts of survivors to reach Wrangell Island. *Copy seen:* DLC.

1109. BARTLETT, ROBERT ABRAM, 1875-1946. Peary's extended exploration of arctic lands culminating in the attainment of the North Pole. (Ameri-

can Philosophical Society. Proceedings, 1940. v. 82, p. 935-47)

Paper read before the society's Symposium on American Polar Exploration, Feb. 1940, giving an account of the voyages of the *Roosevelt*, 1905-06, 1908-09, and of Peary's polar march in 1909, as far as 87°47'N. where the author turned back. *Copy seen:* DLC.

1110. BARTLETT, ROBERT ABRAM, 1875-1946. Sails over ice, by Captain "Bob" Bartlett; with a foreword by Lawrence Perry. New York, C. Scribner's Sons, 1934. xii p., 1 l., 301 p. front., plates, ports.

The story of the schooner *Effie M. Morrissey* by her owner-skipper, and of her trips carrying exploring and research parties to Greenland, Alaska, and the Canadian Arctic waters, 1925-33. Included (p. 251-80) is Bartlett's account of the building of the Peary Memorial at Cape York, northwest Greenland, 1932. *Copy seen:* DLC.

1111. BARTLETT, ROBERT ABRAM, 1875-1946, and JUNIUS BIRD. The Bartlett East Greenland Expedition. (Geographical review, July 1931. v. 21, p. 398-414, illus.)

Account of the expedition to Shannon and Clavering Islands in 1930 by R. A. Bartlett; and archeological report by Junius Bird. *Copy seen:* DLC.

1112. BARTLETT, ROBERT ABRAM, 1875-1946, and RALPH T. HALE. The last voyage of the *Karluk*, flagship of Vilhjalmur Stefansson's Canadian Arctic Expedition of 1913-16, as related by her master, Robert A. Bartlett, and here set down by Ralph T. Hale. Boston, Small, Maynard & Co., [c1916] 6 p. l., 329 p. 26 plates (ports., maps, plans, facsimis.)

Account of the voyage and drift, July 1913-Jan. 1914, in Beaufort and Chukchi Seas; the loss of the *Karluk*, dog-sledge journey across the ice to Wrangell Island, thence to the Siberian coast, the rescue of the survivors.

Copy seen: DLC; NNS Stef.

1113. BARTLETT, ROBERT ABRAM, 1875-1946, and RALPH T. HALE. Northward ho! the last voyage of the *Karluk*. Boston, Small, Maynard & Co., [1919] 6 p. l., 329 p. 26 plates (ports., maps, plan, facsimis.)

A second printing without change in text, of the authors' *The last voyage of the Karluk*, 1916, q.v.

Copy seen: DLC; NNS Stef.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Carlgren, O. Some Actinaria Bering Sea & Arctic. 1934.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Clark, Austin H. Echinoderms from Greenland collected by Captain Robert A. Bartlett. 1942.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Cushman, J. A. New arctic foraminifera. 1933.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Hildebrand, S. F. Annotated list fishes (R. A. Bartlett). 1939.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Peary, R. E. North Pole discovery 1909. 1910.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Putnam, G. P., & L. M. Gould. Putnam Baffin I. Exped. 1927. 1928.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Treadwell, A. L. List of annelids R. A. Bartlett 1924. 1926.

BARTLETT, ROBERT ABRAM, 1875-1946, see also Treadwell, A. L. Polychaetous annelids collected by Bartlett Alaska 1924. 1926.

BARTOL RESEARCH FOUNDATION, see Rose, D. C. Cosmic rays. 1949.

1114. BARTON, GEORGE HUNT, 1852-1933. Evidence of the former extension of glacial action on the west coast of Greenland and in Labrador and Baffin Land. (American geologist, Dec. 1896. v. 18, p. 379-84.)

Observations made by a member of the Sixth Peary Expedition to northern Greenland in the summer of 1896.

Copy seen: DGS.

1115. BARTRAM, EDWIN BUNTING, 1878- . Mosses of the Aleutian Islands. (Botaniska notiser, 1938. p. 244-56)

Based on collections made by E. Hultén and W. J. Eyerdam in 1932; list with localities of one hundred twenty-nine (including with description, one new) species.

Copy seen: DA; MH-A.

1116. **BARTSCH, PAUL, 1871-** . A new species of *Cerithiopsis* from Alaska. (U. S. National Museum. Proceedings, 1909, pub. 1910 v. 37, p. 390-400. illus.)

Description of a new marine gastropod from the waters of southeastern Alaska. *Copy seen:* DLC.

BARTSCH, PAUL, 1871- , see also Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

BARTSCH, PAUL, 1871- , see also Wynne-Edwards, V. C., & others. Biology (Program of investigations). 1946.

1116A. **BARTZ, F.** Die Aläuten. (Gesellschaft für Erdkunde. Zeitschrift, Okt. 1943. p. 198-219, 4 plates, 2 sketch maps) *Title tr.:* The Aleutians.

Geographic sketch of the Aleutian Islands, their physical features, volcanology, climate, tidal currents, vegetation, fauna (marine and terrestrial), native inhabitants, and history of colonization and settlement.

Copy seen: DLC.

1117. **BARWELL, C. S. W.** The discovery of the Klondike. Early days of Canada's Yukon gold fields. (Canadian surveyor, Oct. 1926. v. 2, no. 6, p. 3-6, sketch map) *Copy seen:* DLC.

1118. **BAS, F. de.** Het doopregister van Spitsbergen volgens reisjournalen en kaarten. (Nederlandsch Aardrijkskundig Genootschap. Tijdschrift, 1877. Dl. 3, p. 1-30, incl. tables, 7 fold. charts) *Title tr.:* The nomenclature of Spitsbergen from journals of voyages and charts.

Using the charts of Barendsz, 1596, Hessel Gerritsz, 1612, Thomas Edge, 1625, M. H. Middelhoven, 1634, Isaac Commelin, 1642, J. A. Colom, 1648, John Seller, 1660, J. v. Keulen, 1710, Dunér and Nordenskiöld, 1864, and Allen Young, 1876, the author catalogs the place names of Svalbard. At the end of the discussion, he presents synonyms in tabular form showing origin of each name. *Copy seen:* DLC.

BASCHIN, ADOLF CARL OTTO, see Baschin, Otto, 1865-1933.

1119. **BASCHIN, OTTO, 1865-1933.** Die Beeinflussung der Temperatur des Meerwassers durch die Nachbarschaft von Eisbergen (Annalen der Hydro-

graphie und maritimen Meteorologie, Aug. 1913. Jahrg. 41, p. 414-17) *Title tr.:* The influence of icebergs on the temperature of sea water.

Brief summary of (then) current knowledge, on this subject, based on a review of published literature, especially papers following the *Titanic* disaster in Apr. 1912. *Copy seen:* DLC.

1120. **BASCHIN, OTTO, 1865-1933.** Zur Frage der Erreichung des Nordpols durch Peary. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1911. p. 180-85) *Title tr.:* The question of Peary's attainment of the North Pole.

Discussion of the geodetic positions and marches, reported by Peary, with remarks on the doubts voiced by others.

Copy seen: DLC.

1121. **BASHFORD, JAMES.** Frontier town. (Alaska sportsman, Mar. 1948. v. 14, no. 3, p. 12-13, 39-40, illus.)

History of the town of Ketchikan in Southeast Alaska. *Copy seen:* DLC.

1122. **BASHMAKOV, P. I.** Gibel' shkhuny "Ermak". (Sovetskaiâ Arktika, 1939, no. 10, p. 83-93, illus. *Title tr.:* Wreck of the schooner *Ermak*.)

Historical sketch of Kruzenshtern's expedition to Kara Sea in 1860 and 1862.

Copy seen: DLC.

1123. **BASHMAKOV, P. I.** Iz proshlogo Novozemel'skikh zimovshchikov. (Sovetskaiâ Arktika, 1939, no. 9, p. 86-92, illus.) *Title tr.:* Winter dwellers on Novaya Zemlya in years gone by.

Description of the tragic deaths of members of a hunting party, sent to Novaya Zemlya by a Russian merchant in 1910-11. Includes excerpts from the diary of Kulebiâkin, head of the party.

Copy seen: DLC.

1124. **BASHMAKOV, P. I.** Izmenâiâtsiâ li glubiny i ochertaniâ beregov severnykh morei. (Sovetskaiâ Arktika, 1938, no. 2, p. 53-57, illus.) *Title tr.:* Do the depths and shore lines of the northern seas change?

General discussion of uplift of shores and sea bottom, also marine erosion, exemplified by the Murman coast, White Sea, Morzhovets Island, and some other regions. *Copy seen:* DLC.

1125. **BASHMAKOV, P. I.** Kapitân èkspedit'sionnogo sudna "Gerkules" A. S. Kuchin. (Sovetskaiâ Arktika, 1939,

no. 7, p. 88-93, illus.) *Title tr.*: A. S. Kuchin, captain of expeditionary ship *Hercules*.

Historical sketch on the 25th anniversary of the death of A. S. Kuchin, oceanographer and captain of the *Hercules* on the ill-fated Rusanov Expedition in Barents and Kara Seas, 1912-13. *Copy seen*: DLC.

1126. BASHMAKOV, P. I. Leitenant Vasilii Pronchishev. (Sovetskaiâ Arktika, 1940, no. 9, p. 40-47, illus., maps) *Title tr.*: Lieutenant Basil Pronchishev.

Biographical sketch of a Russian explorer, who with his wife, Maria Pronchishcheva, participated in the Great Northern Expedition from 1733 till 1736, when both died apparently of scurvy. They led the third party of the expedition, whose aim was to explore the coast between the Lena and Pyasina Rivers, and reached 77°29'N.

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1127. BASHMAKOV, P. I. Maîâchnolot'smeisterskaiâ sluzhba v Karskom more. (Sovetskaiâ Arktika, 1936, no. 9, p. 102-104, illus.) *Title tr.*: Beacon pilot service in Kara Sea.

Contains data on beacons, spar-buoys, and signals in the southwestern section of Kara Sea, 1936. *Copy seen*: DLC.

1128. BASHMAKOV, P. I. Novaiâ Zemliâ i ostrov Vaigach. (Sovetskaiâ Arktika, 1939, no. 6, p. 76-83, illus., map) *Title tr.*: Novaya Zemlya and Vaygach Island.

Discussion of the origin of names of the islands; with criticism of V. I. Popov-Shtark's *Govorîashcheiâ karta Arktiki*, 1938, q.v. *Copy seen*: DLC.

1129. BASHMAKOV, P. I. Pervaiâ russkaiâ morskaiâ èkspedit'siia k ust'û reki Obi (1734-1739 godov) i dal'neishee razvitiie moreplavaniia v ust'e sibirskikh rek. (*In*: Severnyi morskoi put', 1939, no. 12, p. 55-71; no. 13, p. 43-64) *Title tr.*: The First Russian Sea Expedition to the estuary of Ob' River (1734-1739) and the further development of sea navigation to the Siberian rivers.

Outline of voyages to Kara Sea since earliest times, leading up to a more detailed account of that part of the Great Northern Expedition which sailed to the Ob from Arkhangelsk,

1734-39, with account of voyages by freight-carrying ships to the Ob and Yenisey during the last 100 years.

Copy seen: DLC.

1130. BASHMAKOV, P. I. Plavanie leitenanta Malygina. (Sovetskaiâ Arktika, 1939, no. 11, p. 107-117, illus., map) *Title tr.*: Lieutenant Malygin's voyage.

Historical sketch of the Ob Expedition in 1734-39, as a section of the Great Northern Expedition of 1725-43; its explorations along the Barents and Kara Sea coasts from the Pechora to the Ob River. Biographical note on Stepan Malygin, head of the expedition, who prepared a description and map of the region. *Copy seen*: DLC.

1131. BASHMAKOV, P. I. Plavanie Litke na brige "Novaiâ Zemliâ." (Sovetskaiâ Arktika, 1940, no. 1, p. 63-77, illus., map) *Title tr.*: The Litke expedition on the brig *Novaya Zemlya*.

Historical sketch of expeditions to Novaya Zemlya, especially of that of Litke in 1821-24. Sketch map shows the coasts of the islands according to Litke, also T'sivol'ka and Moiseev (1838-39), Pakhtusov (1832-33 and 1834-35) and Norwegian sealers (1869-71). *Copy seen*: DLC.

1132. BASINER, THEODOR FRIEDRICH JULIUS, 1817-1862. Enumeratio monographica specierum generis Hedy-sari. (Akademiia nauk SSSR. Mémoires . . . par divers savants, 1846-51, pub. 1846. T. 6, livr. 1, p. 45-97) *Title tr.*: Monographic enumeration of the species of the genus *Hedysarum*.

Contains a monographic description of fifty-seven species of *Hedysarum*, a genus of herbs, with a key to the species, synonymy, and critical notes; geographical distribution in the Arctic is mentioned for Russia only; bibliography (49 items). *Copy seen*: MH.

1133. BASTAMOV, S. L. Magnetic storms observed by the International Polar Expeditions, 1882-1883. (Terrestrial magnetism and atmospheric electricity, Mar. 1929. v. 34, p. 35-38, diags.)

Brief summary of his *Magnitnye vozmushcheniia po nablûdeniiaim mezhdunarodnykh poliarnykh èkspedit'sii 1882-83 g., 1921, q.v.*

Copy seen: DLC.

1134. BASTAMOV, S. L. Magnitnye vozmushcheniia po nablüdeniäm mezhdunarodnykh poliärnykh äkspeditšii 1882-83 godov. (Vsesoiüznoe geografičeskoe obščestvo. Meteorologičeskii vestnik, 1920, *pub.* 1921. T. 30, p. 40-50) *Title tr.*: Magnetic storms observed by the International Polar Year expeditions, 1882-83.

A review of the magnetic activity measurement taken at eleven polar stations during the First International Polar Year, 1882-83. Tables are given for number of days with declination disturbance, and number of days with disturbance in horizontal and vertical components. *Copy seen:* DWB.

1135. BATEMAN, ALAN MARA, 1899- . Geology of the Beatson copper mine, Alaska. (Economic geology, June-July 1924. v. 19, p. 338-68)

Description of the general features, the rocks and structure, ore deposits and origin, and the mineralogy of this mine on Latouche Island in Prince William Sound. *Copy seen:* DGS.

1136. BATEMAN, ALAN MARA, 1899- . Kennecott glacier of Alaska. (Geological Society of America. Bulletin, Sept. 1922. v. 33, p. 527-39, illus.)

Notes on the type, dimensions, surface, edges, overriding, melting, discharge, and movement of the glacier, located on the south slope of the Wrangell Mts., from data gathered during field seasons, 1915-20.

Copy seen: DGS.

1137. BATEMAN, ALAN MARA, 1899- . Notes on a Kennecott type of copper deposit, Glacier Creek, Alaska. (Economic geology, May 1932. v. 27, p. 297-306, illus.)

Contains notes on the general geology, descriptions of the ores and origin of the deposit on this tributary of the Chitistone River. *Copy seen:* DGS.

1138. BATEMAN, ALAN MARA, 1899- , and D. H. McLAUGHLIN. Geology of the ore deposits of Kennecott, Alaska. (Economic geology, Jan.-Feb. 1920. v. 15, p. 1-80, illus., 6 plates)

Results of field and laboratory studies, 1915-20, on the copper ores from the Bonanza and Jumbo mines, situated in the southeastern part of the Wrangell Mts. Descriptions of the topography, rock formations, structure,

physiographic development, and (in detail) the types and structural relations of the ore deposits. *Copy seen:* DGS.

1139. BATEMAN, JOHN DANVERS, 1910- . A day in the Arctic. Ottawa, E. Cloutier, Printer to the King, 1945. v, 9 p. illus. (incl. map) (Canada. Geological Survey. Geological Survey Bulletin, no. 1)

Contains notes on previous exploration, a sketch map of the route, and notes on the flight, made on Aug. 18, 1944, over the area between Great Bear Lake and Darnley Bay, for geological reconnaissance on the western boundary of Precambrian rocks of the Canadian Shield, and on the general character of the region; with discussion and conclusions. *Copy seen:* DGS.

1140. BATEMAN, JOHN DANVERS, 1910- . Permafrost at Giant Yellowknife. (Royal Society of Canada. Transactions, June 1949. Ser. 3, v. 43, sect. 4, p. 7-11, illus.)

Observations on depth of permafrost as a function of depth of overburden, amounting to 280 feet depth where thickness of overburden approaches 60 feet, with remarks on origin and probable age of the permafrost.

Copy seen: DGS.

1141. BATEMAN, JOHN DANVERS, 1910- . Petroleum possibilities in the Great Slave Lake area. (Western miner, Nov. 1947. v. 20, no. 11, p. 72-76, illus., 2 sketch maps)

"The western basin of Great Slave Lake and Mackenzie River valley are underlain by petroleum-bearing formations of Middle and Upper Devonian age."—Author's abstract. Sketch of previous geological work and oil drilling, the stratigraphic and structural geology of the region; bibliography (24 items).

Copy seen: DGS.

BATEMAN, JOHN DANVERS, 1910- , see also Dadson, A. S., & J. D. Bateman. Giant Yellowknife mine. 1948.

1142. BATES, EMILY KATHARINE. Kaleidoscope: shifting scenes from east to west. London, Ward and Downey, 1889. xii, 275 p.

Includes (chap. 7, p. 222-75) account of a trip to Alaska, describing the scenery and towns of Southeast Alaska.

Copy seen: DLC; NNSf (extract chap. 7).

1143. BATES, ROBERT H. Above the whirlwind. (American alpine journal, 1942. v. 4, p. 348-54, 6 plates)

Account of an ascent of Mt. Walsh and a reconnoiter of Whirlwind Glacier, during the Wood Yukon Expedition, 1941, in the St. Elias Range of southwestern Yukon.

Copy seen: DLC.

1144. BATES, ROBERT H. Mt. McKinley 1942. (American alpine journal, 1943. v. 5, p. 1-13, 12 plates)

Account of the Alaska Test Expedition of the U. S. Army Quartermaster Corps, the U. S. Army Air Forces, and the American Alpine Club, in the summer of 1942, during which equipment and clothing were tested.

Copy seen: DLC.

1145. BATTY, Mrs. BEATRICE (STEBBING). Forty-two years amongst the Indians and Eskimo; pictures from the life of the Right Reverend John Horden, first Bishop of Moosonee. London, The Religious Tract Society, 1893. 223 p. incl. front. (port.) 13 plates, map.

Account of a Church of England missionary's activities, 1851-93, in the region of James Bay and northward to York Factory.

Copy seen: DLC; NNSStef.

BATTYE, AUBYN BERNARD ROCHFORD, TREVOR. *see* Trevor-Battye, Aubyn Bernard Rochford, 1855-1922.

1146. BATURIN, M. K. "Dva brata", ostiatskaiâ legenda. (Zhivaiâ starina, 1907. v. 16, vyp. 4, otdel 2, p. 83-87) *Title tr.:* "Two brothers", an Ostyak tale.

Contains a Russian translation of an Ostyak tale, recorded by the author in the Irtysh River region. It deals with the life and deeds of two Ostyak warrior-princes.

Copy seen: DLC.

1147. BAUENDAHL, OSKAR. Aus den wissenschaftlichen Ergebnissen der Polarfahrt des "Matador" unter Führung des Kapt.-Leut. a.D. Oskar Bauendahl, Herbst und Winter 1900/1901. (Annalen der Hydrographie und maritimen Meteorologie, Sept. 1901. Jahrg. 29, p. 414-25, 445-57) *Title tr.:* From the scientific results of the polar voyage of the *Matador* under command of Capt. Oskar Bauendahl, in the fall and winter, 1900-1901.

The *Matador* drifted in the pack ice north and west of West Spitsbergen, Sept. 25-Oct. 28, 1900, and wintered in the strait south of Danish Island (Danskøya). Members of the crew stayed in Pike's house on the north end of the island, 79°44'12"N. 11°35'12"E., where scientific observations were made, Dec. 1900-June 1901.

Contents tr.: 1. On ice conditions.

2. Astronomic determinations of position during the drift in the ice, Sept. 25 to Oct. 28, 1900.

3. Meteorological observations from Nov. 23, 1900 to June 23, 1901. (Four times daily, Nov. 23 to Dec. 9, 1900, at the anchorage on south side of Danish Island; Dec. 13, 1900 to June 23, 1901, at Pike's house, north end of Danish Island)

4. Water temperatures and tidal observations in Oct. 1900, Jan. and June 1901. (Daily tidal observations, June 8-26, 1901; and a very few sea-water temperature data)

5. Remarks on the magnetic observations made by Capt. Bauendahl at Pike's house, Mar. 28-Apr. 17, 1900.

Copy seen: DLC.

1148. BAUER, A. Analysen einiger Gesteine aus Ostgrönland. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 508-511) *Title tr.:* Analyses of some minerals of East Greenland.

Copy seen: DLC.

1149. BAUER, ALBERT, and others. Rapport préliminaire de la campagne préparatoire au Groenland (1948) . . . Géodésie. [Paris, 1949] 7 p. (Expéditions polaires françaises. Expédition arctique, 1948. Publications. No. 5 (additif)) Process print. *Title tr.:* Preliminary report on the preparatory expedition to Greenland 1948. (French Polar Expeditions. Arctic Expedition)

Account, by members of the Geodesy section, of the program (in detail), the personnel, methods, equipment, and areas surveyed. *Copy seen:* CaMAI.

1150. BAUER, FRANCIS. Some experiments on the fungi which constitute the colouring matter of the red snow discovered in Baffin's Bay. (Royal Society of London. Philosophical transactions, 1820. Pt. 1, p. 165-73, plate)

Based on a study of a small glass of red snow sediment brought from Baffin Bay by Capt. Ross in 1818; description of the methods used to culture the fungi during the winter, and of the growth obtained. *Copy seen: DLC.*

1151. BAUER, HUBERT ANTON, 1886- . Problems of the American tundra. (*Arctica*, 1935. No. 3, p. 107-113, sketch maps, diagr.)

Outline of the development of reindeer herds since their introduction into Alaska in 1892; interests of the U. S. government, the natives, and the Lomen Co.; commercial prospects of reindeer as a source of meat supply, marketing problems and the feed resources provided by natural pastures of the region. *Copy seen: DLC.*

1152. BAUER, HUBERT ANTON, 1886- . A world map of tides. (*Geographical review*, Apr. 1933. v. 23, p. 259-70, fold. map, tables)

Discussion of the theory, types and distribution of tides for the world, including (on map) the polar regions, and listing arctic tidal stations in the tables. *Copy seen: DLC.*

BAUER, JOHN R., *see* West, S. S., & others. State of earth's atmosphere. 1949.

1153. BAUER, LOUIS AGRICOLA, 1865-1932. Hunting the magnetic pole. (*Van Norden magazine*, Nov. 1907. v. 2, p. 55-67, illus., sketch map)

Discussion by the (then) director of Department of Research in Terrestrial Magnetism, Carnegie Institution of Washington, on problems in locating the magnetic pole; remarks on local poles, and the history of the search in the North American Arctic. *Copy seen: DLC; NNS Stef.*

1154. BAUER, LOUIS AGRICOLA, 1865-1932. Unsolved problems in terrestrial magnetism and electricity in the polar regions. (*In: American Geographical Society, N. Y. Problems in polar research*, 1928. p. 52-61, diagrs.)

Summary of work done by various expeditions of the 20th century and mention of renewed interest in magnetic storms, polar lights and electric disturbances. *Copy seen: DLC.*

BAUER, LOUIS AGRICOLA, 1865-1932, *see also* International Society for the Exploration of the Arctic Regions

by Means of Aircraft. *Verhandlungen I. Versammlung*, 1926. 1927.

1155. BAUERMAN, K. Sledy totemicheskogo rodovogo ustroistva u paren-skikh koriakov. (*Sovetskii Sever*, 1934, no. 2, p. 70-80, illus.) *Title tr.:* Traces of totemic clan organization among the Paren Koryaks.

General characteristics and clan organization of a Koryak group living on the shores of Penzhinskaya Bay near the Paren River estuary; the author's observations during his long residence among these people. His views are discussed by N. Bilibin in *K stat'e t. Bauermana*, 1934, q.v.

Copy seen: DLC.

BAUMANN, GERHARD HEINZ, *see* Becker, R., & G. H. Baumann. Beiträge z. Meteorologie über Grönland. 1933.

1156. BAUMANN, KARL. Schweizerische Grönlandexpedition 1938. (*Die Alpen*, Feb. 1939. Bd. 15, p. 41-54, 96-106, 8 plates, sketch map) *Title tr.:* Swiss Greenland Expedition, 1938.

Account of the organization of a seven-man party, led by André Roch, and sponsored by the Zurich Alpine Club, for a mountaineering and scientific expedition to ascend Mt. Forel, north of Angmagssalik, East Greenland. The party purposed to determine and measure the highest point of the Greenland icecap, to carry out snow and glaciologic research, photogrammetric assignments and geologic collecting, also to study vitamin and other nutritional problems under arctic conditions. This report includes description of the preparations (including food rations) for the sledge trip from the coast to Mt. Forel and a narrative of the journey and ascent. *Copy seen: DLC.*

1157. BAUR, FRANZ. Das Klima der bisher erforschten Teile der Arktis. (*Arktis*, 1929, Jahrg. 2, p. 77-89, 110-20 incl. tables, 4 sketch maps, 3 fold. plates) *Title tr.:* Climate of the explored parts of the Arctic.

Contains discussion and tabular data (monthly averages) of meteorological elements, derived from periods of varying length. Based on observations of forty-four weather stations above the 70°N. lat. parallel, listed here with geographic locations, number of years' observations, and bibliographic sources. *Copy seen: DLC; NNS Stef.*

1158. BAXENDELL, JOSEPH, 1869-1940. Recent meteorological dislocations. (Meteorological magazine, June 1940. v. 75, p. 81-86)

The warming up of the Arctic since 1922 has a decided influence in moderating or changing the climate of sub-arctic and temperate regions.

Copy seen: DLC.

1159. BAXTER, ALLEN J. Doctor Urquhart of Eskimo land. (Forest and outdoors, Feb. 1936. v. 32, p. 43-44, 60-62, illus.)

Account of Northwest Territories medical service, especially at Aklavik, and some remarks on health conditions among Mackenzie Eskimos.

Copy seen: DA.

1160. BAXTER, DOW VAWTER, 1898-. Occurrence of fungi in the major forest types of Alaska. (Michigan Academy of Science, Arts and Letters. Papers, 1945, pub. 1947. v. 31, p. 93-115, 18 plates, map, diagrs.)

Based on "several field seasons' work in Alaska", by the author and others from the University of Michigan School of Forestry and Conservation. An ecological study of fungus succession (1) of interior river valleys with meandering streams (Yukon River system below the mouth of the Tanana, southwest to the mouth of the Koyukuk); (2) after the retreat of a mountain glacier (glacial region not far from the summit of the Chugach Mts.); (3) where flora includes species characteristic of both the coastal and the interior forests (Kenai Peninsula near Russian River); (4) on Kodiak Island; and (5) after the retreat of a glacier in the Pacific coastal region (near Valdez, on Prince William Sound).

Copy seen: DLC.

1161. BAXTER, DOW VAWTER, 1898-, and others. On and off Alaskan trails. Drawings by Carleton Angell. [n.p., c1937] 3 p. l., 184 p., 1 l. illus., plates, maps on lining-papers. Other authors: B. Labaree and W. Hildebrand.

Journal of the authors' tramps through central Alaskan forests and the country near Juneau.

Copy seen: DLC; NNSf.

1162. BAXTER, DOW VAWTER, 1898-, and F. H. WADSWORTH. Forest and fungus succession in the

lower Yukon valley. Ann Arbor, Mich., 1939. 52 p. 9 plates, tables, diagrs. (Michigan. University. School of Forestry and Conservation. Bulletin. No. 9)

Contains description of the alluvial flats along the lower Yukon, the forests of the region, history of vegetation, various forest zones, the succession of fungi and diseases in relation to stages in forest growth, and a table of common tree and wood-inhabiting fungi in forests of the Yukon River system. Bibliography (37 items).

Copy seen: DA.

1163. BAXTER, DOW VAWTER, 1898-, and R. W. VARNER. Importance of fungi and defects in handling Alaskan airplane spruce. Ann Arbor, Mich., 1942. 35 p. 9 plates. (Michigan. University. School of Forestry and Conservation. Circular No. 6)

Based on several seasons' work in the field, and on laboratory tests. Notes on the occurrence of Sitka spruce in Alaska, its common fungi, their growth in culture, and a key to fungi in culture which cause defects in Sitka spruce; with remarks on problems in handling airplane stock, and a bibliography (11 items).

Copy seen: DA.

BAY, CLYDE E., see Atkinson, H. B., & C. E. Bay. Some factors affecting frost-penetration. 1940.

1164. BAY, EDVARD, 1867-. Animal life in King Oscar Land, and the neighbouring tracts. (In: Sverdrup, O. N. *New land*, 1904. p. 477-83)

Summary account of observations made on Ellesmere Island during the Second Fram Expedition, 1898-1902, of which final reports were published by the Norske videnskaps-akademi, Oslo, q.v.

Copy seen: DLC.

1165. BAY, EDVARD, 1867-. Geologi. (In: Ryder, C. H. *Den østgrønlandske expedition*, 3. del, 6. Pub. in: *Meddelelser om Grønland*, 1896. 19. hefte, p. 145-87, illus., diagrs., plate II) *Title tr.:* Geology.

Contains (1) general discussion of the geology of the peninsula Hold with Hope; (2) discussion of gneiss, conglomerate, sandstone, Rhaetic and Jurassic formations, basalt, glaciers and land emergence in various places in the Scoresby Sound region; (3) general discussion of the geology of the Angmagssalik region; and (4) discussion

of the transportation by the drift ice of gravel, mud and stones along the east coast of Greenland, the influence of drift ice and the ice age on the ocean bottom there.

Summary in French, p. 261-67.

Copy seen: DLC.

1166. BAY, EDVARD, 1867- . Hvirveldyr. (In: Ryder, C. H. Den østgrønlandske expedition. 3. del, 1. Pub. in: Meddelelser om Grønland, 1896. 19. hefte, p. 1-58) **Title tr.:** Vertebrates.

Contains (1) list with remarks and localities of fifteen species of mammals and thirty-two of birds observed in the Scoresby Sound region; (2) discussion with lists of mammals and birds observed on the "storis" (drifting ice) off the east coast of Greenland; and (3) list with remarks and localities of fifteen species of fishes.

Summary in French, p. 251-57.

Copy seen: DLC.

BAY, EDVARD, 1867- , *see also* Hartz, N. Fanerogamer og karkryptogamer Nordøst-Grønland. 1896.

BAY, EDVARD, 1867- , *see also* Hartz, N., & E. Bay. Østgrønlands vegetationsforhold. 1896.

BAY, EDVARD, 1867- , *see also* Østrup, E. V. Marine diatoméer. 1896.

1167. BAYLIS, HARRY ARNOLD, 1889- . A new cestode and other parasitic worms from Spitsbergen, with a note on two leeches. Results of the Oxford University Expedition to Spitsbergen. No. 6. (Annals and magazine of natural history, Apr. 1922. Ser. 9, v. 9, p. 421-27, illus.) Issued also as Oxford University, Spitsbergen papers, 1925. v. 1, no. 27.

Contains full description of the new type worm, note on an ascarid and two acanthocephalans, all parasitic in a seal; remarks on two leeches dredged from Klaas Billen Bay.

Copy seen: DSI-M.

1168. BAZANOV, A. G. Aktual'nye voprosy nenetskoi shkoly. (Sovetskii Sever, 1939, no. 3, p. 19-46, illus.) **Title tr.:** Current problems of the Samoyed school.

Discussion of the educational problems in Nenets National District, based on data from an expedition to the region in 1938.

Copy seen: DLC.

1169. BAZANOV, A. G. Shkoly na Kamchatke v XVIII veke. (Sovetskii Sever, 1939, no. 2, p. 177-94, 2 plates) **Title tr.:** Schools in Kamchatka in the 18th century.

Historical sketch of missionary work in the field of education, from the time of second Bering expedition to the end of the 18th century. **Copy seen:** DLC.

1170. BAZANOV, A. G. Vogul'skie deti. "Iz dnevnika ekspeditsii." (Sovetskii Sever, 1934, no. 3, p. 93-96) **Title tr.:** Vogul children. "From the diary of an expedition."

Contains an account of life among Vogul children on the eastern slopes of the northern Urals, their work (hunting and herding), their parents' negative attitude toward school.

Copy seen: DLC.

BAZANOV, A. G., see also Sbornik statei, posviashchennykh S. P. Krashe-ninnikova. 1939.

1171. BAZILEVSKAYA, NINA ALEK-SANDROVNA, 1902- . Novye vidy r. *Oxytropis* DC. i r. *Astragalus* L. Eniseiskoi gub. (Leningrad. Glavnyi botanicheskii sad. R.S.F.S.R. Botani-cheskie materialy gerbariia, 1924. T. 5, vyp. 5, p. 69-72) **Title tr.:** The new species of the genera *Oxytropis* DC. and *Astragalus* L. of Yeniseysk administrative district.

Contains Latin diagnosis of *Oxytropis katangensis* n. sp. from Khatanga River basin. **Copy seen:** MH-A.

BAZIN, ETIENNE, see Turquetil, A. L. E., & E. Bazin. Vicariat apostolique B. d'Hudson. 1941.

BAZYKIN, M., see Skalon, V. N., & others. Novye materialy po rasprostraneniū mlekopitaushchikh. 1941.

1172. BEACH, WILLIAM NICHOLAS. In the shadow of Mount McKinley, by William N. Beach; foreword by John Burnham; introduction by Robert Sterling Yard; illustrated from paintings by Carl Rungius and from photographs by the author. New York, Derrydale Press, 1931. 3 p. l., v-xiii, [1], 289 p., 1 l. col. front., plates, ports., fold. map, maps on lining-papers.

Narratives of four trips into the north side of the Alaska Range, 1922-30; with chapters on Mt. McKinley National Park, on big game animals, and their conservation.

Copy seen: DLC; NNSf.

1173. BEALS, C. S. Audibility of the aurora and its appearance at low atmospheric levels. (Royal Meteorological Society. Quarterly journal, Jan. 1933. v. 59, p. 71-78; also pub. in Royal Astronomical Society of Canada. Journal, May-June, 1933. v. 27, p. 184-200)

Numerous observations and reports from residents of northern Canada, as answers to a newspaper survey regarding the audibility of aurora and its contact with earth's surface or appearance in the lower atmosphere, are reviewed. The author concludes that aurora sounds are rare occurrences, but low level aurora are reasonably definite. *Copy seen:* DLC; NNStef.

1174. BEAN, BARTON APPLER, 1860-, and **ALFRED C. WEED.** Notes on certain features of the life history of the Alaskan fresh-water sculpin. (Smithsonian miscellaneous collections, 1910. v. 52, quarterly issue, v. 5, p. 457-60) *Copy seen:* DLC.

BEAN, BARTON APPLER, 1860-, see also Bean, T. H., & B. A. Bean. Fishes collected at Bering & Copper Islands. 1897.

BEAN, BARTON APPLER, 1860-, see also Bean, T. H., & B. A. Bean. Notes on fishes collected in Kamchatka. 1897.

BEAN, BARTON APPLER, 1860-, see also Bean, T. H., & B. A. Bean. Note on *Oxyottus acuticeps* from Sitka & Kodiak. 1899.

1175. BEAN, TARLETON HOFFMAN, 1846-1916. The cod fishery of Alaska. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 1, p. 198-226, plate, tables)

Contains notes on species, distribution, size, shape, color, migration, schooling, food, and diseases of the cod; brief notes on fishing banks, the vessels, fishermen, methods and finances.

Copy seen: DF.

1176. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new fish from Alaska (*Anarrhichas lepturus*) with notes upon other species of the genus *Anarrhichas*. (U. S. National Museum. Proceedings, 1879, pub. 1880. v. 2, p. 212-18)

Full description based on two specimens taken by Lucien M. Turner in waters off St. Michael Island.

Copy seen: DLC.

1177. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new species of *Alepidosaurus* (*A. aesculapius*) from Alaska. (U. S. National Museum. Proceedings, 1882, pub. 1883. v. 5, p. 661-63)

Full description, with table of measurements, of the wolf fish, based on a specimen taken from waters off Unalaska Island in 1880.

Copy seen: DLC.

1178. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new species of *Aspidophoroides* (*A. güntherii*), from Alaska. (U. S. National Museum. Proceedings, 1885, pub. 1886. v. 8, p. 74-75)

Description based on specimens collected by Captain M. A. Healy on the cruise of the revenue cutter *Corwin* in 1884, and by Lieut. G. M. Stoney.

Copy seen: DLC.

1179. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new species of rockfish, *Sebastichthys brevispinis* from Alaska. (U. S. National Museum. Proceedings, 1894, pub. 1895. v. 17, p. 627-28) *Copy seen:* DLC.

1180. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new species of whitefish. (*Coregonus nelsonii*), from Alaska. (U. S. National Museum. Proceedings, 1884, pub. 1885. v. 7, p. 48)

Description of a species apparently peculiar to Alaska, based on specimens taken from the Bristol Bay region and northward.

Copy seen: DLC.

1181. BEAN, TARLETON HOFFMAN, 1846-1916. Description of a new species of *Lycodes* (*L. turneri*) from Alaska, believed to be undescribed. (U. S. National Museum. Proceedings, 1878, pub. 1879. v. 1, p. 463-66, tables)

Description based on a specimen taken from waters off St. Michael, Alaska, by Lucien M. Turner in 1876, with tables of comparative measurements including also data on other North American species.

Copy seen: DLC.

1182. BEAN, TARLETON HOFFMAN, 1846-1916. Description of *Coregonus pusillus*, a new species of whitefish

from Alaska. (U. S. National Museum. Proceedings, 1888, *pub.* 1889. v. 11, p. 526)

Description based on specimens taken in northern Alaska, from the Yukon River northward. *Copy seen:* DLC.

1183. BEAN, TARLETON HOFFMAN, 1846-1916. Description of new fishes from Alaska and Siberia. (U. S. National Museum. Proceedings, 1881, *pub.* 1882. v. 4, p. 144-59)

Descriptions of fourteen new species, including some measurements and record of specimens, localities, etc., from a collection representing about eighty species made for the National Museum, when the author accompanied the U. S. Coast Survey party in the schooner *Yukon* under W. H. Dall, in the summer of 1880, in waters off the coasts of Alaska and islands and at Plover Bay (Chukotsk Peninsula).

Copy seen: DLC.

1184. BEAN, TARLETON HOFFMAN, 1846-1916. Descriptions of some genera and species of Alaskan fishes. (U. S. National Museum. Proceedings, 1879, *pub.* 1880. v. 2, p. 353-59)

Notes and diagnosis of one species previously described; descriptions of two new genera and species, all with record of specimens in the National Museum.

Copy seen: DLC.

1185. BEAN, TARLETON HOFFMAN, 1846-1916. The fishery resources and fishing-grounds of Alaska. (*In:* Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1884-87. Section 3, C, p. 81-115, 4 plates)

Contains notes on the food fishes of the streams, lakes and oceanic waters of Alaska; a review of the fishing grounds by districts (southeastern Alaska, Cook Inlet, Kenai Peninsula, Kodiak, Shumagin Islands; Unalaska, Bristol Bay, Pribilof Islands, Kuskokwim and Yukon Rivers, Norton Sound, Port Clarence, Kotzebue Sound, and arctic coast northeast to Point Barrow) with lists of settlements, and kinds of fishes; commercial fishery, statistics for 1880; and a table showing the geographical range of food fishes in Alaska (sixty-five species).

Copy seen: DF.

1186. BEAN, TARLETON HOFFMAN, 1846-1916. Fishes collected in Cumberland Gulf and Disko Bay. (*In:*

Kumlien, L., and others. Contributions to natural history of arctic America, *pub.* in U. S. National Museum. Bulletin, 1879. No. 15, p. 107-138)

Annotated list of thirty-seven species (including two not hitherto recorded from the region) based on specimens collected by L. Kumlien during the Howgate Polar Expedition in 1877-78, and by Lieut. W. A. Mintzer in 1876, also on species in the U. S. National Museum recorded from northeastern North America.

Copy seen: DLC.

1187. BEAN, TARLETON HOFFMAN, 1846-1916. List of fishes known to occur in the Arctic Ocean north of Bering Strait. (*In:* U. S. Revenue Cutter Service. Cruise of the revenue-steamer *Corwin* in Alaska and the N.W. Arctic Ocean in 1881. Notes and memoranda, 1883. p. 118-20, plate)

Records of twenty-one species based on specimens in collections of the U. S. National Museum taken from the Alaskan side of the Arctic Ocean.

Copy seen: DSI-M.

1188. BEAN, TARLETON HOFFMAN, 1846-1916. New fishes collected off the coast of Alaska and the adjacent region southward. Scientific results of explorations by the U. S. Fish Commission steamer *Albatross*, no. 11. (U. S. National Museum. Proceedings, 1890, *pub.* 1891. v. 13, p. 37-45)

Descriptions of seventeen new species based on specimens taken by the *Albatross* 1888, in (among other localities) Aleutian waters and the Gulf of Alaska.

Copy seen: DLC.

1189. BEAN, TARLETON HOFFMAN, 1846-1916. Notes on a collection of fishes made by Captain Henry E. Nichols, U.S.N., in British Columbia and southern Alaska, with descriptions of new species and a new genus (*Delolepis*). (U. S. National Museum. Proceedings, 1881, *pub.* 1882. v. 4, p. 463-74)

List of thirty-one species with notes on the specimens, including many taken from waters off southeastern Alaska in the summer of 1881; also full description of the new genus and two new species with measurements.

Copy seen: DLC.

1190. BEAN, TARLETON HOFFMAN, 1846-1916. Notes on a collection of fishes made in 1882 and 1883 by Capt.

Henry E. Nichols, U.S.N., in Alaska and British Columbia, with a description of a new genus and species, *Priornistius macellus*. (U. S. National Museum. Proceedings, 1883, *pub.* 1884. v. 6, p. 353-61)

List of forty-eight species, with notes on specimens, many of which were taken from the coastal waters of southeastern Alaska. *Copy seen:* DLC.

1191. BEAN, TARLETON HOFFMAN, 1846-1916. Notes on birds collected during the summer of 1880 in Alaska and Siberia. (U. S. National Museum. Proceedings, 1882, *pub.* 1883. v. 5, p. 144-73)

Notes on seventy-seven species with record of specimens taken, tables of measurements and of distribution of the species in localities on the southeastern Alaskan coast and islands, and at Plover Bay on Chukotsk Peninsula. The collection was made while the author accompanied the U. S. Coast Survey party under W. H. Dall, primarily to investigate fishes and fisheries of Alaska. *Copy seen:* DLC.

1192. BEAN, TARLETON HOFFMAN, 1846-1916. Notes on some fishes from Hudson's Bay. (U. S. National Museum. Proceedings, 1881, *pub.* 1882. v. 4, p. 127-29)

List of ten species, with notes on the specimens taken near Moose Factory (James Bay), and York Factory (Hudson Bay). *Copy seen:* DLC.

1193. BEAN, TARLETON HOFFMAN, 1846-1916. On salmon caught in Lake Alexandra, 81°40'N. (*In:* Greely, A. W. Three years of arctic service, 1886. v. 2, p. 409)

Note on what appears (from a photograph) to have been *Salvelinus stagnalis* (Fabr.) caught in this lake on Ellesmere Island.

Copy seen: DLC; NNSf.

1194. BEAN, TARLETON HOFFMAN, 1846-1916. On the occurrence of *Hippoglossus vulgaris*, Flem., at Unalaska and St. Michael's, Alaska. (U. S. National Museum. Proceedings, 1879, *pub.* 1880. v. 2, p. 63-66)

Review of relevant literature on the halibut and its occurrence, with description (including measurements) of two specimens in the U. S. National Museum, also comparative data on other specimens. *Copy seen:* DLC.

1195. BEAN, TARLETON HOFFMAN, 1846-1916. On the occurrence of *Stichaeus punctatus* (Fabr.) Kröyer, at St. Michael's, Alaska. (U. S. National Museum. Proceedings, 1878, *pub.* 1879. v. 1, p. 279-81, tables)

Remarks on a fish recorded for the first time from northwestern North America, and comparison with specimens recorded from waters off Greenland, and Halifax, Nova Scotia.

Copy seen: DLC.

1196. BEAN, TARLETON HOFFMAN, 1846-1916. A partial bibliography of the fishes of the Pacific coast of the United States and of Alaska, for the year 1880. (U. S. National Museum. Proceedings, 1881, *pub.* 1882. v. 4, p. 312-17)

Prepared as a supplement to Theodore Gill's *Bibliography of the fishes of the Pacific coast of the United States to the end of 1879* (U. S. National Museum, Bulletin, 1892. No. 11, 70 p.) Due to "such great activity of publication during 1880," this supplement's content has a larger proportion of papers relating to the northern waters, than does Gill's *Bibliography*, the latter covering the classic literature of Pacific ichthyology from 1757, as well as scientific papers to 1879.

Copy seen: DLC.

1197. BEAN, TARLETON HOFFMAN, 1846-1916. A preliminary catalogue of the fishes of Alaskan and adjacent waters. (U. S. National Museum. Proceedings, 1881, *pub.* 1882. v. 4, p. 239-72)

List of one hundred sixteen species recorded in the literature, with note of the specimens in the U. S. National Museum, indicating their localities (mainly waters off the coast of southeastern Alaska and islands, Plover Bay (Chukotsk Peninsula), also (a few from) arctic waters and Yukon River.

Appendix lists ninety-nine species known to occur in waters bordering upon the limits of Alaska; lists also species not (then) found elsewhere than in Alaska, and species found in Alaska and in various other regions; finally, synopsis of the distribution of Alaskan fishes. *Copy seen:* DLC.

1198. BEAN, TARLETON HOFFMAN, 1846-1916. Report on the salmon and salmon rivers of Alaska, with notes on the conditions, methods, and needs of

the salmon fisheries. (U. S. Fish and Wildlife Service. Bulletin of the U. S. Fish Commission, 1889, *pub.* 1891. v. 9, p. 165-208, 35 plates, 8 fold. charts) First printed as House misc. doc. 211, 51st Congress.

The report covers work done on Kodiak Island, July 28-Sept. 11, 1889. Includes a description of the physical characteristics of Karluk Bay, River, spit, and Lake, Alitak, Olga and Uyak Bays (all on Kodiak Island), and Afgonak Bay, Lake and River (Afgonak Island), with detailed charts of each. Full discussion of the natural history of five species of salmon and two trout. Data on methods, conditions, and statistics of the salmon fisheries, with list (and map) of canneries of Alaska; data on artificial propagation of the salmon in Alaskan waters.

Copy seen: DF.

1199. BEAN, TARLETON HOFFMAN, 1846-1916, and B. A. BEAN. Fishes collected at Bering and Copper Islands, by Nikolaï A. Grebniński and Leonhard Stejneger. Contributions to the natural history of the Commander Islands, no. 12. (U. S. National Museum. Proceedings, 1897. v. 19, p. 237-51)

Annotated list of some forty species with references to specimens collected in 1882-85 for the U. S. National Museum. *Copy seen:* DLC.

1200. BEAN, TARLETON HOFFMAN, 1846-1916, and B. A. BEAN. Note on *Oxycoctus acuticeps* (Gilbert), from Sitka and Kodiak, Alaska. (U. S. National Museum. Proceedings, 1899. v. 21, p. 655-56) *Copy seen:* DLC.

1201. BEAN, TARLETON HOFFMAN, 1846-1916, and B. A. BEAN. Notes on fishes collected in Kamchatka and Japan by Leonhard Stejneger and Nikolaï A. Grebniński, with a description of a new blenny. (U. S. National Museum. Proceedings, 1896, *pub.* 1897. v. 19, p. 381-92, 2 plates)

List of thirty-four species represented in collections in the U. S. National Museum, with notes on some of the specimens and descriptions of one new genus and species. The Kamchatkan specimens were taken from the region of Avacha Bay and waters off Petropavlovsk. *Copy seen:* DLC.

BEAN, TARLETON HOFFMAN, 1846-1916, see also Nelson, E. W., &

T. H. Bean. Field notes on Alaskan fishes. 1887.

BEAN, TARLETON HOFFMAN, 1846-1916, see also Rothrock, J. T. List of, & notes upon, lichens collected in 1880. 1885.

1202. BEARDSLEE, LESTER ANTHONY, 1836-1903. The salmon and trout of Alaska. (*In:* Orvis, C. F., and A. N. Cheney. Fishing with the fly. Manchester, Vt., 1883. p. 17-44)

The author commanded the U.S.S. *Jamestown*, stationed at Sitka, June 1879-Sept. 1880, when he fished the bay and stream waters of the surrounding territory. *Copy seen:* NNNStef.

BEARDSLEE, LESTER ANTHONY, 1836-1903, see also U. S. Navy Dept. Reports of Commander L. A. Beardslee, Alaska. 1880.

BEAUFORT, Sir FRANCIS, 1774-1857, see Barrow, Sir J., & others. Communications on North-West Passage. 1836.

BEAUFLOY, MARK, 1764-1827, see Barrington, D. Possibility of approaching North Pole. 2 ed. 1818.

1203. BEAUGÉ, LUCIEN. La campagne de 1932 à Terre-Neuve et au Groënland. (France. Office Scientifique et Technique des Pêches Maritimes. Revue de travaux, mars 1933. T. 6, p. 67-105, incl. tables, diagrs.) *Title tr.:* The expedition of 1932 to Newfoundland and Greenland.

Contains (p. 95-105) the results of temperature measurements on the Greenland banks; a report on the cod fisheries, and on soundings taken over Store Hellefiske Bank (66°40'-68°15'N.)

Copy seen: DF.

1204. BEAUGÉ, LUCIEN. Missions de recherches au Groënland (campagnes 1929 et 1930). (International Council for the Study of the Sea. Rapports et procès-verbaux, 1931. v. 72, no. 2, p. 1-24, 3 fold. charts) *Title tr.:* Research expeditions to Greenland (1929-1930).

Results of investigations on the banks in Davis Strait, carried out by the Scientific and Technical Office for Sea Fisheries of France, in order to improve the cod fisheries, previously centered on the Newfoundland banks. Includes discussion of temperature, salinity and currents of the Davis Strait

waters; the position, bottom characteristics and fish of Fylla Bank (64°N.) and of the general characteristics of other banks off the west coast of Greenland in 63°-64°15'N. lat.

Copy seen: DF.

1205. BEAUGÉ, LUCIEN. Rapport de Mission à Terre-Neuve et au Groënland (campagne 1930). Troisième partie. La pêche au Groënland. (France. Office Scientifique et Technique des Pêches Maritimes. Revue de travaux, mars 1931. T. 4, p. 106-129, incl. tables, diagrs.) *Title tr.:* Report of the expedition to Newfoundland and Greenland, 1930. Pt. 3. Fisheries of Greenland.

Contains results of surface and bottom water temperature measurements, a discussion of the season's hydrographic conditions, and a report on the fisheries.

Copy seen: DF.

1206. BEAUGÉ, LUCIEN. Rapport de Mission au Groënland, campagne 1931. (France. Office Scientifique et Technique des Pêches Maritimes. Revue de travaux, mars 1932. T. 5, p. 41-81, incl. tables, diagrs.) *Title tr.:* Report of the expedition to Greenland, 1931.

Contains a discussion of the general meteorological conditions of Greenland, and the northern hemisphere's atmospheric circulation and its effect on water temperatures; report on the surface and deep water temperature measurements, summer 1931, and on the fishing grounds off West Greenland and Newfoundland.

Copy seen: DF.

1207. BEAUGÉ, LUCIEN. Rapport de Mission au Groënland et à Terre-Neuve (campagne 1929). Première partie. Mission au Groënland. (France. Office Scientifique et Technique des Pêches Maritimes. Revue de travaux, dec. 1929. T. 2, p. 369-411, incl. 10 p. of diagrs., 3 sketch charts) *Title tr.:* Report of the expedition to Greenland and Newfoundland, 1929. Pt. 1. Expedition to Greenland.

The Scientific and Technical Office of Sea Fisheries of France carried out, beginning in 1922, a series of research expeditions to investigate cod fisheries on the Newfoundland Banks. In July-Aug. 1929, the area was extended to include the fishing banks off southwest Greenland. This report contains a general description of the hydrology and meteorology (including ice) of Baffin

Bay-Davis Strait, and of the cold current which sweeps down the west side of Davis Strait; a full discussion of the Fylla Bank (64°N.) off West Greenland (its temperature, salinity, bottom characteristics and fisheries) and (in general) the history and present-day condition of the West Greenland fisheries.

Copy seen: DF.

BEAUMONT, LEWIS A., *see* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

1207A. THE BEAVER, a magazine of the North, published quarterly by the Hudson's Bay Co. Winnipeg, 1920-v. 1, no. 1-v. 6, no. 4 (Dec. 1920-Sept. 1926); outfit 257, no. 3-outfit 280, no. 3 (Dec. 1926-Dec. 1949) in progress.

Popular, richly illustrated magazine, its "interests include the whole field of travel, exploration and trade in the Canadian North as well as the current activities and historical background of the Hudson's Bay Company, in all its departments throughout Canada . . . Correspondence on points of historic interest is encouraged."

File seen: CaMAI; NN.

THE BEAVER, a magazine of the North, *see also* Shindman, B. *Beaver*; index 1921-June 1948. 1948.

1208. BEAVIS, L. R. W. Trading into Siberia, H. B. C. outfit 252. (Beaver, Sept. 1938. Outfit 269, no. 2, p. 36-41, illus.)

Account of a small Hudson's Bay Co. expedition in 1921-23 to Kamchatka.

Copy seen: DSI-M.

1209. BECHER, ALEXANDER BRIDPORT, 1796-1876, and WAREHAM. The voyages of Martin Frobisher. (Royal Geographical Society. Journal, 1842, *pub.* 1843. v. 12, p. 1-28, fold. map)

Contains accounts by Becher, of the three Frobisher voyages, 1576, 1577, and 1578, and an annotated list of place names, taken from narratives of early voyages published in the Hakluyt and Pinkerton collections, with remarks on the discovery of Frobisher Bay, Cumberland Sound and the southern shores of Baffin Island.

Appendix: Northumberland Inlet, an extract from the journal of a whaling voyage, by Mr. Wareham. Includes notes on ice conditions and weather in

the Cumberland Sound region, as observed by the author, master of the whaler *Lord Gambier*, Aug. 13-Sept. 15, 1841. *Copy seen:* DLC.

1210. BECHER, EDUARD. Insecten von Jan Mayen. (*In:* International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, 1886. Bd. 3, Theil 6 F, p. 59-66, plate) *Title tr.:* Insects from Jan Mayen.

Annotated list, with synonymy and distribution, of twenty-four species of insects, including a new species of louse on a seal and six new species and one new genus of Diptera, collected by Ferdinand Fischer. *Copy seen:* DLC.

1211. BECHER, EDUARD. Mollusken von Jan Mayen. (*In:* International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, 1886. Bd. 3, Theil 6 G, p. 67-82, plate) *Title tr.:* Molluscs from Jan Mayen.

Annotated list, with synonymy and distribution, of fifty-one species of molluscs, three new, collected in Jan Mayen waters by Ferdinand Fischer.

Copy seen: DLC.

1212. BECK, A. G. Laegegerning i Thule. (Ugeskrift for læger, Okt. 4, 1945. Aarg. 107, p. 849-52) *Title tr.:* Medical activity at Thule.

Résumé of health conditions of the Polar Eskimos, 1930-41, with notes on their physical characteristics.

Copy seen: DSG; NNN.

1213. BECK, A. G. Tuberkulosen i Upernavik distrikt. (Ugeskrift for læger, Sept. 27, 1945. Aarg. 107, p. 829-31) *Title tr.:* Tuberculosis in Upernavik District.

Results of investigations of 1,223 persons in West Greenland, 1941-42, with notes on incidence of tuberculosis by age groups, and on habits and living conditions.

Copy seen: DSG; NNN.

BECK, RICHARD, 1858-1919. *see* Baldauf, R., & R. Beck. Über d. Kryo-lith-Vorkommen in Grönland. 1910.

1214. BECKER, GEORGE FERDINAND, 1847-1919. Reconnaissance of the gold fields of southern Alaska with some notes on general geology. (U. S. Geological Survey. Annual report,

1896-97, *pub.* 1898. v. 18, pt. 3, p. 1-86, 31 plates (incl. 6 maps, fold. diagrs.)

Contains report on the investigation of gold resources, made by the author for the U. S. Geological Survey in 1895; geographical notes, history and statistics of Alaskan gold, descriptions of volcanic activity and forms (Bogoslof, Grewingk, and St. Augustine), the rock formations, and glaciation; remarks on distribution of gold in southern Alaska, descriptions of mines and deposits, from Alexander Archipelago to Unga Island, and on the auriferous beach sands of southern Alaska.

Maps include: Distribution of gold and coal in Alaska and known distribution of Neocene formations; Silver Bay, Baranof Island; Unga Island and other parts of the Shumagin Islands.

Copy seen: DGS.

1215. BECKER, RICHARD, 1887- . Eine Beziehung zwischen jährlicher Schneehöhe und Neigung der Oberfläche des Grönländischen Inlandeises. (Annalen der Hydrographie und maritimen Meteorologie, Aug./Sep. 1933. Bd. 61, p. 246-51, fold. plate (diagrs.)) *Title tr.:* A connection between the annual snow height and the surface inclination of Greenland's inland ice.

Contains a theoretical discussion concerning a formula for determining the snow height from the land gradient, involving the wind directions and snow fall under various circumstances. Based on data from the de Quervain and the Koch-Wegener crossings of Greenland in 1912 and 1913 respectively.

Copy seen: DLC.

1216. BECKER, RICHARD, 1887- , and G. H. BAUMANN. Beiträge zur Meteorologie des Luftweges über Grönland. 1. Das Flugklima Grönlands, von Richard Becker, 2. Grönland-Flug von Gronau 1931, von Gerhard Heinz Baumann. Hamburg, Deutsche Seewarte, 1933. 48 p. 7 plates (3 fold., 1 double-face, diagrs.) (Deutsche Seewarte, Hamburg. Aus dem Archiv der deutschen Seewarte. Bd. 52, nr. 4) *Title tr.:* Contribution to the meteorology of the air route over Greenland. 1. The aeronautical climate of Greenland. 2. The Greenland flight of von Gronau, 1931.

Contents tr.: 1. A. Introduction. B. The observations (discussion of methods, etc.) C. The aeronautical climate

of Greenland. (a) Topographic and orographic conditions. (b) Elements of the climate (visibility, clouds, danger from icing, wind and temperature). D. Results in relation to flying over Greenland.

2. Von Gronau's Greenland flight, 1931. A. Weather reports for flight, Sylt to The Faeroes, The Faeroes to Iceland, Iceland to Scoresby Sound, Scoresby Sound to Godthaab, Godthaab to Ivigtut and return. Greenland to Hudson Bay, Port Harrison to Long Lake, Long Lake to Chicago. B. Some contributions to the aeronautical meteorology of Greenland.

Copy seen: DLC.

1217. BECKER, THEODOR, 1840- Ein Beitrag zur Kenntnis der Dipterenfauna Nordsibiriens. St.-Petersbourg, 1907. 1 p. l., 6 p. (Russkaja poljarnaja ekspeditsiia, 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livr. 10 *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 10) *Title tr.*: Contribution to knowledge of the Diptera of northern Siberia.

Contains an annotated list, with localities, of ten (including, with descriptions, three new) species of flies from western Taymyr Peninsula, the mouth of the Lena, and New Siberian Islands.

Copy seen: DSI.

1218. BECKER, THEODOR, 1840- and others. Diptera. Petrograd, 1915. 1 p. l., 67 p. illus., 3 plates. (Ekspeditiia brat'ev Kuznetsovykh na poljarnyi Ural, 1909. Resultats scientifiques. Livr. 7. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématiques, vol. 28, no. 7) *Title tr.*: Diptera. (Scientific results of the Expedition of the Kuznetsov Brothers to the arctic Ural, 1909.

Text in German.

These flies were collected on the Kara and Obdorsk Tundras and in the Ural Mts.

Contents tr.: Dziedzicki, H. Mycetophilidae. (List, with localities, of nine species, and description of *Boletina tundrica*, n. sp.)

Schnabl, J. Anthomyidae. (Descriptions of twenty-five new species and varieties, and discussion of eight additional species of this family of flies, closely allied to the house fly).

Becker, Th. Orthorrhapha Nemato-cera. (List, with localities of thirteen species).

Becker, Th. Orthorrhapha Brachycera. (List, with localities and notes of twenty-four, including with descriptions, six new species).

Becker, Th. Cyclorrhapha Aschiza. (List, with localities of fourteen, including with description, one new species).

Villeneuve, J. Cyclorrhapha Schizophora. (Localities of six species of Tachina flies.)

Becker, Th. Cyclorrhapha Schizophora. (Eleven species, of which six are described as new).

Copy seen: DGS.

BECKER, THEODOR, 1840- , see also Nielsen, J. C. Insects of East-Greenland. 1909.

1219. BECKER, WILHELM, 1874-1928, and E. HULTÉN. The genus *Viola* in Kamchatka. Stockholm. Almqvist & Wiksell, 1928. 8 p. (Arkiv för botanik, 1929, *pub.* 1928. Bd. 22A, no. 3)

Contains a critical revision of ten species of violets (*Viola*, including *V. avatschensis*, *V. crassicornis* and *V. Hulténii* n. spp., collected mostly by E. Hultén during the Swedish Kamchatka Expedition of 1920-22.

Copy seen: MH.

1220. BECKETT, EVA. Our historic northern route. (Canadian geographical journal, Mar. 1941. v. 22, p. 140-45, illus.)

Notes on the discovery, exploration and early history of Hudson Bay, Churchill, and old Fort Prince of Wales.

Copy seen: DLC.

1221. BECKETT, EVA. Plant life of the Churchill district. (Canadian geographical journal, Aug. 1945. v. 31, p. 96-104 (incl. 2 p. of illus.))

Description for the general reader, of the flowering plants of this subarctic region.

Copy seen: DLC.

1222. BECKWITH, EDWARD P. The Mt. McKinley Cosmic Ray Expedition, 1932. (American alpine journal, 1933. v. 2, p. 45-68, illus., 10 plates, sketch map)

Journal of a five-man expedition, Apr.-May 1932, under Allen Carpe, to measure cosmic rays and to climb Mt.

McKinley. Describes the flights from Nenana to Mt. McKinley, Apr. 25, and from Fairbanks to Mt. McKinley, May 3; the landings on Muldrow Glacier (first ever made). Records the accident in which A. Carpe and T. Koven were killed.

Copy seen: DLC; NNStef.

1223. BÉCLARD-d'HARCOURT, MARGUERITE. Le système pentaphone dans les chants des Copper-Eskimos. (International Congress of Americanists. 22nd, Rome, 1926. Atti, 1928. v. 2, p. 15-22) *Title tr.:* The five-note system in songs of the Copper Eskimos.

Contains discussion of musical notation for transcribing songs (from phonographic recordings or direct audition), and analysis of their musical character; based on Helen H. Roberts' transcription of Diamond Jenness' recordings of Copper Eskimo songs, made during the Canadian Arctic Expedition of 1913-18.

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1224. BÉDARD, A. Un voyage dans l'Ungava. (Société de Géographie de Québec. Bulletin, jan.-fév. 1919. v. 12, no. 1, p. 20-23)

Account of a trip by Robert Flaherty (for Sir William Mackenzie) in the region between Hudson and Ungava Bays 1910-11, to trace mineral deposits.

Copy seen: DLC.

1225. BÉDARD, A. Un voyage dans l'Ungava, 2. (Société de Géographie de Québec. Bulletin, mai-juin 1919. v. 13, p. 139-41)

Account of a second trip by Robert Flaherty, 1911-12, making two traverses across Ungava Peninsula.

Copy seen: DLC.

1226. BEECH, MARY L. Refugees from the Pribilofs. (Alaska life, Aug. 1944. v. 7, no. 8, p. 18-21)

Story of the Aleuts evacuated from St. Paul Island, and their reactions to the changes made in their lives by World War II.

Copy seen: DLC.

1227. BEECHEY, FREDERICK WILLIAM, 1796-1856. Narrative of a voyage to the Pacific and Beering's Strait, to co-operate with the polar expeditions: performed in His Majesty's ship Blossom, under the command of Capt. F. W. Beechey . . . in the years 1825, 26, 27, 28. London, H. Col-

burn and R. Bentley, 1831. 2 v. (paged continuously; v. 1: xxi, [1] p., 1 l., 392 p.; v. 2: vii, [1], [393]-742 p.) front., plates, port., maps (part fold.) First edition, in 4to format.

Expedition to Bering Strait and beyond to meet and assist the Franklin and Perry expeditions which it was hoped would arrive from the east, and at the same time to make scientific observations in areas visited. Main base was in Kotzebue Sound.

Contents include: Chap. 10-12. Narrative of activities in the summer of 1826, discoveries by ship as far north and west as Franklin Point, and by barge under command of Thomas Elson, as narrated by William Smyth, as far as Point Barrow. Includes descriptions of the coasts, especially new discoveries such as Hotham Inlet, sea and ice conditions, Eskimo village sites and Eskimo culture, from Cape Prince of Wales to Point Barrow.

Chap. 18-19. Narrative of activities in 1827, including brief stop at Petropavlovsk, Kamchatka, in July, and trips along the northwest coast of Alaska during the balance of the summer and early fall. Includes account of the discovery of Port Clarence, observations on sea and ice conditions as far as Icy Cape (70°20'N. 161°50'W.); notes on Eskimo artifacts and on disputes with Eskimos: general summary description of Eskimo culture as observed in northwestern Alaska.

Appendices (v. 2, p. 593-742) include:

Buckland, W. On the occurrence of the remains of elephants, and other quadrupeds, in the cliffs of frozen mud in Eschscholtz Bay, within Beering's Strait, and in other distant parts of the shores of the arctic seas, p. 593-612. (Analysis, with illustrations, of fossil remains collected by Beechey).

Vocabulary of the words of the western Esquimaux, p. 619-27.

Nautical remarks, p. 628-742. (Includes discussion of navigation conditions with brief sections on the Kamchatka region; also tables of geographical positions; altitudes of mountains; meteorological observations (daily, 1825-28, on temperature, humidity, with remarks on clouds, wind, weather, also averages); aurora borealis; specific gravity and temperature of sea water; dip and variation of compass; these

tables include results of observations made while the expedition was in the Kamchatka, Bering Sea, Kotzebue Sound and Alaska regions.

Reviewed by W. Ainsworth, in Royal Geographical Society, *Journal*, 1831, pub. 1833. v. 1, p. 193-222.

Copy seen: DLC; NN.

1228. BEECHEY, FREDERICK WILLIAM, 1796-1856. Narrative of a voyage to the Pacific and Beering's Strait, to co-operate with the polar expeditions: performed in His Majesty's ship Blossom, under the command of Captain F. W. Beechey . . . in the year 1825, 26, 27, 28. A new edition. London, H. Colburn and R. Bentley, 1831. 2 v. v. 1: xxii, 472 p. 13 plates, 2 fold. maps. v. 2: iv, 452 p. 10 plates.

Another edition in 8vo format, in which material relating to arctic regions appears in v. 1, chap. 10-12, v. 2, chap. 6-7; also Appendices v. 2, p. 331-452.

Copy seen: DLC; NNA.

1229. BEECHEY, FREDERICK WILLIAM, 1796-1856. Narrative of a voyage to the Pacific and Beering's Strait, to co-operate with the polar expeditions: performed in His Majesty's ship Blossom, under the command of Captain F. W. Beechey . . . in the years 1825, 26, 27, 28. Philadelphia, Carey & Lea, 1832. vi p., 1 l., xi, [13]-493 p.

Another edition without plates, maps or scientific appendices, but with main text reprinted in smaller type and a few new footnotes.

Copy seen: DLC; NN.

1230. BEECHEY, FREDERICK WILLIAM, 1796-1856. A voyage of discovery towards the North Pole, performed in His Majesty's ships Dorothea and Trent, under the command of Captain David Buchan, R.N.; 1818; to which is added, a summary of all the early attempts to reach the Pacific by way of the Pole. London, R. Bentley, 1843. ix, [1] p., 1 l., 351, [1] p. front., plates (part fold.) fold. chart.

The *Dorothea* and *Trent*, Capt. Buchan in command, sailed from the Shetland Islands into western and northern Svalbard waters above 80°N., and returned along the edge of the Greenland pack ice, during May-Oct. 1818. The objective was to discover a passage to the Pacific via arctic waters. The au-

thor took part in this cruise under Capt. Franklin, who commanded the *Trent*. Beechey's narrative (in pt. 1) describes the voyage, gives information on ice conditions, on surveying accomplished in northwestern West Spitsbergen, and relates attempts to establish colonies on West Spitsbergen and Jan Mayen and winterings made there.

Pt. 2 is a brief account of earlier voyages near West Spitsbergen and Novaya Zemlya to discover a Northeast Passage, their progress and difficulties.

Copy seen: DLC; NNStef.

1231. BEECHEY, FREDERICK WILLIAM, 1796-1856, and others. The zoology of Captain Beechey's voyage; comp. from the collections and notes made by Captain Beechey, the officers and naturalist of the expedition, during a voyage to the Pacific and Beering's Straits performed in His Majesty's ship Blossom, under the command of Captain F. W. Beechey . . . in the years 1825, 26, 27 and 28. Illustrated with upwards of fifty finely coloured plates by Sowerby. Pub. under the authority of the Lords Commissioners of the Admiralty. London, H. G. Bohn, 1839. xii, 180 (i.e. 186) p. col. plates, 3 maps (1 fold.)

The zoological results of Beechey's voyage to the Pacific and Beering Strait, 1825-28, including material from Kamchatka, northwestern Alaska, and some intervening islands.

Contents: Beechey, F. W. Introduction, with acknowledgments.

RICHARDSON, Sir J. Mammalia.

VIGORS, N. A. Ornithology.

LAY, G. T., and E. T. BENNETT. Fishes.

OWEN, Sir Richard. Crustacea.

Gray, John Edward. Reptiles. (None from the Arctic).

Gray, John Edward. Batrachians. (None from the Arctic).

GRAY, John Edward, and G. B. SOWERBY. Molluscan animals and their shells.

BUCKLAND, W. ed. Geology.

Each paper (excepting introduction and those without arctic material) appears in this Bibliography under its author's name.

Copy seen: DLC.

BEECHEY, FREDERICK WILLIAM, 1796-1856, see also Huish R. Narrative of the voyages & travels of Capt. Beechey & Back. 1836.

1232. BEGG, ALEXANDER, 1825-1905. Early exploration in north-west Canada. (Scottish geographical magazine, July 1899. v. 15, p. 351-56)

Sketch of the history of the opening up of the Klondike, with notes on Hudson's Bay Co. activities, and explorations. *Copy seen:* DLC.

1233. BEGG, ALEXANDER, 1825-1905. Review of the Alaskan boundary question. (British Columbia mining record, June-Aug. 1900. v. 7, p. 216-22, 254-59, 310-314, illus.) Also issued in a separate reprint in Victoria B.C., by Cusack, 1900 (32 p.); and reprinted in the Scottish geographical magazine, Jan. 1901.

Outline for general readers, with quotation of treaties, etc., 1821-99, concerning the boundary as a whole, and in particular the status of the southeastern Alaska boundary.

Copy seen: CaOAr; DLC.

1234. BEGG, ALEXANDER, 1825-1905. Statement of facts regarding the Alaska boundary question, compiled for the government of British Columbia. (British Columbia. Legislative Assembly, 9th; sess. 3. Sessional papers, 1902. p. 1381-1402, map)

Contains factual data on early treaties, and information on southeast Alaskan industries, geography, towns, etc.

Copy seen: CaOAr; DLC.

BEGICHEV, NIKIFOR ALEKSEEVICH, 1874-1927, see Ustimovich, P. M. Ostrov Begicheva, ego otkrytie i opisaniye. 1932.

1235. BÉHOUNEK, FRANZ, 1898- Atmospheric-electric researches made in 1928 during the Nobile Arctic Expedition in collaboration with Professor A. Pontremoli (Milan) and Professor F. Malmgren (Upsala). (Terrestrial magnetism and atmospheric electricity, Sept. 1929, v. 34, p. 173-98, illus., 2 sketch maps, diagrs.)

Discussion and tables of data from observations made on the *Italia's* flights from Milan to Kings Bay, West Spitsbergen, thence to Franz Josef Land, Severnaya Zemlya, Novaya Zemlya and return to Kings Bay. Includes measurements of intensity of the penetrating radiation of the atmosphere, electric conductivity, ionic content, potential gradient, and radioactivity of the air;

with notes on methods, the apparatus and its installation in the airship.

Copy seen: DLC.

1236. BÉHOUNEK, FRANZ, 1898- Forschung über atmosphärische Elektrizität ausgeführt im Jahre 1928 auf der arktischen Expedition Nobiles, unter Mitarbeit von Prof. A. Pontremoli and Prof. F. Malmgren. (*In:* Nobile, U., ed. Die Vorbereitungen und die wissenschaftlichen Ergebnisse der Polar-expedition der "*Italia*". Petermanns geographische Mitteilungen. Ergänzungsheft, 1929. v. 44, no. 205, p. 46-62, incl. tables) *Title tr.:* Research on atmospheric electricity carried out in 1928 on the Nobile Arctic Expedition with the help of Prof. A. Pontremoli and F. Malmgren.

Includes description of apparatus and methods, and tables of measurements.

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1237. BÉHOUNEK, FRANZ, 1898- Die im Luftschiffe "*Italia*" zur Beobachtung der atmosphärischen Elektrizität angewandten Methoden und Apparate. (Arktis, 1929. Jahrg. 2, p. 69-76, plate) *Title tr.:* The methods and apparatus used on the airship *Italia* to observe atmospheric electricity.

On instrumentation only. The results of observations were published in the author's *Atmospheric-electric researches made in 1928 during the Nobile Arctic Expedition*, 1929, q.v.

Copy seen: DLC; NNStef.

1238. BÉHOUNEK, FRANZ, 1898- Sieben Wochen auf Eisscholle; der Untergang der Nobile Expedition. Leipzig, F. A. Brockhaus, 1929. 263, [1] p. illus. (2 maps) 36 plates, (ports., facsim.) *Title tr.:* Seven weeks on the ice floe; the Nobile Expedition disaster.

An account of the flight of the *Italia* in 1928, by the Czech scientist who accompanied the expedition and remained on the "White Bear Floe" until the last of the party was rescued. Describes objectively the flight, the airship's catastrophe, its passengers' experiences on an ice floe subsequently, and the rescue of the Nobile party.

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BÉHOUNEK, FRANZ, 1898-, see also Meyer, W. Kampf um Nobile. 1931.

BÉHOUNEK, FRANZ, 1898-, see also Nobile, U. In volo alla conquista del segreto polare. 1928.

1239. BEKETOV, ANDREI NIKOLAEVICH, 1825-1902. Ob Arkhangel'skoi flori. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1884. T. 15, vyp. 2, p. 523-616, [739]) *Title tr.:* On the flora of Archangel.

Contains a geobotanical sketch of Arkhangel'sk province, including Kola Peninsula, with brief data on geography, climate, tree line and distribution of woody vegetation; a systematic enumeration of eight hundred five species of flowering plants and vascular cryptogams with detailed data on geographic distribution. *Copy seen:* DLC.

1240. BELAVIN, ALEKSEI FEDOROVICH. Kratkii geograficheskii ocherk Severnogo kraia (v kartakh). Arkhangel'sk, Izd-vo Vsesoiuznogo kartograficheskogo tresta, 1934. 33 [1] p., 18 maps (9 fold.) *Title tr.:* Brief geographical sketch of the Northern Region (in maps).

Survey of the geography, climate, hydrology, geology, administration, industry, farming, fishing, and education in Severnyy Kray, the (basins of the Severnaya Dvina, Mezen' and Pechora Rivers, about 35°-65°E.) in a series of 18 maps (scale mostly 1:16,000,000; Syktyvkar scale 1:50,000), with short explanatory notes and statistical tables. Bibliography (13 items).

Copy seen: DLC

1241. BELCHER, SIR EDWARD, 1799-1877. The last of the arctic voyages; being a narrative of the expedition in H.M.S. *Assistance*, under the command of Captain Sir Edward Belcher, C. B., in search of Sir John Franklin, during the years 1852-53-54. With notes on the natural history, by Sir John Richardson, Professor Owen, Thomas Bell, J. W. Salter, and Lovell Reeve. London, L. Reeve, 1855. 2 v.: xx, 383 p.; vii, 419 p. col. fronts., illus., 36 plates (part col.), 4 maps (3 fold.), tables.

Narrative of the five-ship expedition (*Assistance*, *Resolute*, *Pioneer*, *Intrepid*, *North Star*) under Belcher's command, with text of instructions, etc. Day-to-day record of the *Assistance* (in detail, with mention of the other ships), the voyage, the winterings 1852-53 in Belcher Channel (76°52'N. 97°W.), and 1853-54 in Wellington Channel (75°-31'N. 92°10'W.), boat and sledge trips, making explorations and scientific ob-

servations; notes on islands visited, Exmouth (base), Pioneer, Cornwall, Princess Royal, Beechey, Dealy, Bathurst, Melville, Devon, Graham, etc. The meeting and rescue of Capt. McClure and crew of the *Investigator*, northern Banks Island. Belcher's abandonment of four ships icebound in Wellington Channel, Aug. 1854, and return home. Includes throughout records on traveling conditions, temperatures, food, ice and snow conditions, frost-bite, snow blindness, scurvy, optical phenomena, natural history, hunting, fishing, etc. Summary of results of Franklin search expeditions by sea and land to date.

Appendices: A. Orders. B. Provisions, clothing, etc. C. Winter fittings. D. Weight and analysis of cubes of salt water or floe ice. E. Observations on ice crystals. F. Tables of meteorology (daily, May 1852-Aug. 1854). G. Comparative tables of temperature, obtained from arctic voyages, 1819 to 1855.

RICHARDSON, Sir J. Account of the fishes.

SALTER, T. W. Account of the arctic Carboniferous fossils.

OWEN, Sir R. Note on some remains of an *Ichthyosaurus*.

REEVE, L. Account of the shells.

BELL, T. Account of the Crustacea.

Each of these five papers appears under its author's name in this Bibliography. *Copy seen:* DLC; NNSf.

BELCHER, SIR EDWARD, 1799-1877, see also Broderip, W. J., & G. B. Sowerby. Observations on new Mollusca (Beechey's voyage, 1825-28). 1828-29.

BELIAEV, G., see Rauzer-Chernousova, D. M. & others. Verkhne-paleozoiske foraminifery Pechorskogo kraia. 1936.

1242. BELIAEV, I. I. Koordinaty astronomicheskikh punktov Gydanskoi ekspeditsii. (Akademiia nauk SSSR. Poliharnai komissii. Trudy, 1931. Vyp. 5, p. 37-87, tables) *Title tr.:* Astronomical coordinates taken by the Gydan Peninsula Expedition.

Discussion of methods and of the geodetic work of the expedition, with seven tables of its results.

Copy seen: DLC.

1243. BELIAEV, M. S. Astro-geodezicheskie raboty na ostrove Vrangeliia i ostrove Gera'da. (In: Duplitskii, D. S., and G. E. Ratmanov, Nauchnye raboty

ekspedititsii na ledokole "Krasin" v 1935 godu, pub. 1936, p. 119-24, maps) *Title tr.*: Astro-geodetic work on Wrangel and Herald Islands.

Description of geodetic work done in connection with the *Krasin* voyage in Chukchi Sea 1935; with two sketches of coast lines drawn on the basis of visual surveying. *Copy seen*: DLC.

1244. BELIAEV, V. Iskustvo fakutskoi ASSR. (Sovetskii Sever, 1933, no. 1, p. 89-96, illus.) *Title tr.*: Art of Yakut A.S.S.R.

Sketch of native talent as seen by the author during his fifteenth-month trip through Yakutia in 1931-32.

Copy seen: DLC.

1245. BELIAEV, V. Na Novoi Zemle. (Sovetskii Sever, 1935, no. 3-4, p. 160-64, illus.) *Title tr.*: On Novaya Zemlya.

Note on paintings made by several self-taught Samoyed artists, and collected by the author on Novaya Zemlya.

Copy seen: DLC.

1246. BELIAEV, VASILII. Zveroboimyi promysel v Belom more. (Sovetskii Sever, 1930, no. 7-8, p. 78-81) *Title tr.*: Sealing in the White Sea.

Brief historical sketch of seal hunting in the White Sea; present conditions; importance of utilizing waste products in the seal industry.

Copy seen: DLC.

1247. BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-. Iz Moskvy v Ameriku cherez Severnyi polius. [Moskva] Izd-vo TSK VLKSM, Molodaia gvardiia, 1938. 214, [2] p. illus., plates, fold. map, facsim. *Title tr.*: From Moscow to America across the North Pole.

Narrative of the June 18-20, 1937 flight of the NO-25, written by the navigator. Includes some information concerning conditions encountered, as recorded at various times during the flight. Most of the book is devoted to events after the landing near Portland, Oregon: sight-seeing, interviews, a conversation with Stefansson, and the trip home. Text dealing with the flight is an abridged or simplified version of his account in V. P. Chkalov and others' *Dva pereleta*, q.v.

Copy seen: DLC.

1248. BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-. Via the North Pole to America. (In: Chkalov, V. P. and others, Navigator's log book, air-

plane NO-25; first non-stop flight Moscow-North Pole-United States of America, 1939, p. 11-31, illus. (facsim. & diagrs.) plates (port.) and col. mounted plate)

A popular description (by the plane's navigator) of the non-stop flight of the Soviet airplane NO-25 on the route Moscow-North Pole-USA., June 18-20, 1937.

Copy seen: DLC.

BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-, see also Chkalov, V. P., & others. Dva pereleta. 1938.

BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-, see also Chkalov, V. P., & others. Navigator's log book, airplane NO-25. 1939.

BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-, see also Chkalov, V. P., & others. Shturmanskii bortovoi zhurnal samoleta NO-25. 1939.

BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-, see also Slava geroiam! 1936.

BELIAKOV, ALEKSANDR VASIL'EVICH, 1897-, see also Stalinskii marshrut prodolzhen. 1937.

1249. BELIAKOV, M. F. Novye dannye po voprosu o geologii i granitse iugovostochnoi okrainy Anabarskogo kristallicheskogo massiva. (Akademiia nauk SSSR. Doklady, 1947, n.s., t. 58, no. 7, p. 1429-30) *Title tr.*: New data on the geology and limits of the southeastern edge of the Anabar crystalline massif.

Observations made by the author in 1946.

Copy seen: DLC.

1250. BELIAKOV, M. F. On a finding of axinite in the Near-Polar Urals (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940, n.s., v. 28, p. 158-59)

Contains description and analysis of axinite deposits discovered by the author on the eastern slope of the northern Urals, near Mt. Narodnaya (65°02'N. 60°14'E.) during his geological investigations in 1936-39.

Copy seen: DLC.

1251. BELIAKOV, M. F. Shungitopodobnyi mineral iz severozapadnoi iakutii. (Akademiia nauk SSSR. Doklady, 1947, n.s., t. 58, no. 5, p. 863-65) *Title tr.*: Shungite mineral from north-western Yakutia.

Discussion of the composition, genesis and provenance of a carbon mineral found in alluvial deposits of the Olenek River. The composition approaches that of shungite from Karelia. The mineral was probably formed as a result of intrusion of trap rock in the bituminous Cambrian and Silurian limestones of the peripheral zone of the Anabar massif. It exhibits the effects of extreme metamorphism.—Geological Society of America. Bibliography and index of geology.

Copy seen: DLC.

1252. BELIAKOV, M. F. *Sovremennaiâ gidroset' Anabarskogo kristallicheskogo massiva v svâzi s osobennostiami ego geologicheskogo stroeniâ.* (Akademiia nauk SSSR. Doklady, 1947, n.s., t. 58, no. 8, p. 1735-37) *Title tr.:* The present river system within the Anabar crystalline massive, as determined by the peculiarities of its geologic structure.

Observations on the Anabar River basin made by the author in 1946.

Copy seen: DLC.

1253. BELIAKOV, MIKHAIL FEDOROVICH. *Kak i chem pitalis' papanintsy.* (Sovetskaiâ Arktika, 1938, no. 5, p. 37-40, illus., table) *Title tr.:* The food arrangements of the Papanin group.

Copy seen: DLC.

1254. BELIAKOV, MIKHAIL FEDOROVICH. *Pitanie papanintsev na dreifuushchei l'dine.* Moskva, Gostorgizdat, 1939. 130, [2] p., illus., port. *Title tr.:* The diet of the Papanin group on the drifting ice-floe.

Account of food supplies taken by the Drifting (ice-floe) Expedition "North Pole," 1938, with details on rations, daily menus, packing material for food and kitchen equipment; also a chapter on food transportation, and a report on the expedition's experience with its supplies including the effects on health.

Copy seen: DLC.

1255. BELIAKOV, SERGEI. "Sviatoi Foka" i "Cheliûskin"; rasskaz o tragedii i triumfe. Arkhangel'sk, Sevkrâigiz, 1934. 69, [2] p. 2 plates. *Title tr.:* The *St. Phoca* and the *Cheliûskin*; a story of a tragedy and a triumph.

Popular account of Sedov's unsuccessful attempt to reach the North Pole (1912-14), and Schmidt's expedition (1933-34), written to show the su-

perior organization and backing of the later expedition. Based primarily on contemporary newspaper accounts.

Copy seen: DLC.

1256. BELIANKIN, DMITRII STEPANOVICH, 1876- . *Ob olivinovo-kvar-tsevom diabaze s reki Tiung v vostochnoi Sibiri.* Leningrad, 1927. 2 p. l., 17 p., map, diagrs. (Akademiia nauk SSSR. Komissiiâ po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Softialisticheskoi Respubliki. Materialy, 1927. Vyp. 23) *Title tr.:* On olivine-quartz diabase from Tyung River in eastern Siberia.

A petrological study of diabase samples taken by a party of the Yakut Expedition of the Academy of Sciences U.S.S.R. in the region of the Tyung River (left tributary to the Vilyuy at 63°50'N. 121°E.) Summary in English.

Copy seen: DLC.

1257. BELIANKIN, DMITRII STEPANOVICH, 1876- , and **B. M. KUPLETSKII.** *Gornye porody i poleznye iskopaemye severnogo poberezh'ia i privilegafushchikh k nemu ostrovov Kandalakshskoi guby Belogo moria.* (Po dannym èkskursii 1917 g.) Moskva, Leningrad, 1924. 75, [1] p., fold. map. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 18) *Title tr.:* The rocks and mineral deposits of the northern shore and the adjoining islands, of Kandalaksha Bay, White Sea. (Results of the trip in 1917).

A petrographic study based on the authors' observations, 1917, in the coastal region of Kola Peninsula along the Kandalaksha Bay and on the Bay islands, with a chapter on the mineral resources.

Copy seen: DLC.

1258. BELIANKIN, DMITRII STEPANOVICH, 1876- , and **N. P. LUPANOVA.** *Gornye porody i poleznye iskopaemye okrestnostei seleniâ Ponoia.* (Leningrad. Vsesoûznyî arkticheskii institut. Trudy, 1934. T. 13, p. 43-77, 5 plates, tables, diagrs. *Title tr.:* The rocks and mineral deposits in the environs of the village Ponoï.

A general geological description of the eastern coast of Kola Peninsula around the estuary of Ponoï River, emphasizing the mineral resources and giving some analyses of ores. Summary in English.

Copy seen: DLC.

1259. BELIANKIN, DMITRII STEP-ANOVICH, 1876-, and **V. I. VLDA-VETS.** K petrografii vostochnogo poberezh'ia Cheshkoi guby. (Akademiia nauk SSSR. Bulletin, Sept.-Oct., 1927. Sér 6, t. 21, p. 967-96. 2 plates, map, tables) *Title tr.*: The petrology of the eastern coast of Cheshskaya Guba.

The geologic character of the coast, as reported by M. M. Ermolaev, who did the field work (1926) according to the plan of F. N. Chernyshev (1890). Description and microscopic and chemical analysis of sericitic schists and various igneous rocks. Summary in English, p. 992-94. *Copy seen:* DLC.

1260. BELIANKIN, DMITRII STEP-ANOVICH, 1876-, and *others.* Gornye porody i poleznye iskopaemye okrestnostei ss. Umby i Por'e'i guby. Moskva, Leningrad, 1924. 43, [6] p. maps. Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 20) *Other authors:* V. Vlodavets and A. Shimpf. *Title tr.*: The rocks and mineral deposits of the region of Umba and Porja Guba (White Sea).

Preliminary report on field work for the Northern Scientific and Economic Expedition in the summer of 1922, on the Kola Peninsula along the northern shores of Kandalaksha Bay and on Medvezhiy Island in this bay; with microscopic and chemical analyses of some rocks and minerals. Nine sketch maps (at end) indicate land forms, mineral ores and rocks. *Copy seen:* DLC.

BELIKOV, B. P., see Zaleskii, B. V., & B. P. Belikov. Stroitel'nye kamni raiona Keret'-Sonostrov. 1934.

1261. BELILOVSKII, A. K. Ob obychnakh i obriadakh pri rodakh inorodcheskikh zhenshchin v Sibiri i Srednei Azii. (Zhivaiia starina, 1894, v. 4, vyp. 3-4, p. 375-90) *Title tr.*: Customs and practices of the native women of Siberia and Central Asia during childbirth.

Contains general comparative notes on the customs of native women of Siberia and Central Asia, based mainly on literary sources. Gives data for various groups, on the duration of labor, method of delivery, disposal of the afterbirth and umbilical cord.

Copy seen: DLC.

BELINSKII, N. see Nazarov, V. S., & N. Belinskii. Problemy ledovykh prognozov. 1939.

1262. BELKNAP, RALPH LEROY, 1899-. Meteorological report of the University of Michigan-Pan American Airways Greenland Expedition, August 1, 1932 - July 31, 1933. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1941. Pt. 2, p. 157-97, fold. diagr.)

Report based on observations taken for the Second International Polar Year program, at stations on upper Nugssuaq (cape at 74°19'N. 56°13'W.) West Greenland. Includes observations (discussion and summary tables on pressure, temperature, surface winds, humidity, fog, clouds, precipitation, visibility, aerology); data on storms: general description, frequency, movement of storm areas, classification of storm winds. *Copy seen:* DLC.

1263. BELKNAP, RALPH LEROY, 1899-. The Michigan-Pan American Airways Greenland Expedition: preliminary results. (Geographical review, April 1934, v. 24, p. 205-218, illus., sketch map)

Brief report on activities of an expedition organized in 1932 to make glaciological investigations and take part in the Second International Polar Year program; establishment of a base station on upper Nugssuaq (near Cornell Glacier, at about 74°19'N. 56°08'W.) Includes notes on the Nugssuaq region, the botanical work, topography and rocks, former glaciation, present glaciers, and the meteorological observations. *Copy seen:* DLC.

1264. BELKNAP, RALPH LEROY, 1899-. Physiographic studies in the Holstensborg District of southern Greenland. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1941. Pt. 2, p. 199-255, 15 plates) Results of University of Michigan Greenland Expedition, 1926-27. The author's Ph.D. thesis to Univ. of Michigan, 1929.

Contains a geographic description of the area and a discussion of the physiographic development of the topographic forms (including solifluction, glaciation, wind action, etc.) with emphasis on the hinterland. *Copy seen:* DLC.

BELKNAP, RALPH LEROY, 1899-, see also Hobbs, W. H., & R. L. Belknap. Errors in synoptic weather-charts Greenland. 1944.

BELKNAP, RALPH LEROY, 1899- .
see also Michigan. University. Greenland Expeditions, 1926-1933. Reports. 1931-41.

BELL, ALFRED HANNAM, 1895- ,
see Cockfield, W. E., & A. H. Bell. Whitehorse district, Yukon. 1926.

BELL, ALFRED HANNAM, 1895- ,
see Cockfield, W. E., & A. H. Bell. Whitehorse district, Yukon. 1944.

1265. BELL, CHARLES NAPIER, 1854-1936. Navigation of Hudson Bay and Straits. A paper read before the Society on the evening of 10th May, 1883. Winnipeg, Manitoba Daily Free Press, 1883. 4, 3 p. (Historical and Scientific Society of Manitoba. Transactions, 1883-4). Appended is the author's *Hudson's Bay country*, a letter to the editor of the *Free Press*, May, 1883.

Contains extracts from the statements of early Hudson's Bay Company navigators, and the logbooks of whalers concerning navigational conditions in Hudson Bay and Strait, with notes on the climate of the region.

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1266. BELL, CHARLES NAPIER, 1854-1936. Our northern waters; a report presented to the Winnipeg Board of Trade regarding the Hudson's Bay and Straits. Being a statement of their resources in minerals, fisheries, timber, furs, game and other products. Also notes on the navigation of these waters, together with historical events and meteorological and climatic data. Winnipeg [1884] 78, [1] p. 4 fold. maps.

Summary of the geography, climate and resources of the Bay region, with somewhat more detailed account of conditions for sailing-ship navigation, including ice, fog, currents, and wind in the Strait and Bay, also notes on Fort Prince of Wales, Nelson River and harbor, Hayes River, Churchill and its harbor, and the Severn River.

Copy seen: CaO.

BELL, EDWIN, *see* Richardson, W. P. Mighty Yukon. 1900.

1267. BELL, F. JEFFREY. List of the Echinodermata collected by Captain A. H. Markham, in his voyage to Novaya Zemlya. (*In:* Markham, Sir A. H. A polar reconnaissance, 1879, *pub.* 1881. Appendix E. p. 345-46)

Four species taken at various depths in waters west of the island.

Copy seen: DLC; NNSf.

BELL, FREDERICK HEWARD, 1902- ,
see Thompson, W. F., & *others.* Biological statistics of Pacific halibut (1) yield unit gear. 1931.

BELL, FREDERICK HEWARD, 1902- ,
see Thompson, W. F., & F. H. Bell. Biological statistics of Pacific halibut (2) intensity. 1934.

1268. BELL, HUGH PHILIP, 1889- ,
and **CONSTANCE MACFARLANE.** Biological and oceanographic conditions in Hudson Bay. 10. Marine algae from Hudson Bay. (Canada. Biological Board. Contributions to Canadian biology, 1933. New ser., v. 8, p. 63-69)

Based on collections made by the Hudson Strait Expedition, 1927-28, and Hudson Bay Fisheries Expedition, 1930, including specimens from the Churchill region, 1929. A list of forty species, none peculiar to this region, indicating that the algae association of Hudson Bay is estuarial and arctic; with a bibliography (6 items).

Copy seen: DLC; DSI-M.

1269. BELL, HUGH PHILIP, 1889- ,
and **CONSTANCE MACFARLANE.** Some marine algae from Labrador, Hudson Bay, and arctic Canada. (Canadian field naturalist, Jan. 1938, v. 52, p. 9-10)

Based on collections of the Canadian Eastern Arctic Expedition, 1934. List of seven green, ten brown, and thirteen red algae from Devon, Baffin, Southampton, and Charlton Islands, Wakeham Bay, Cape Wolstenholme, and Churchill.

Copy seen: DLC.

1270. BELL, JAMES MACKINTOSH, 1877-1934. Economic resources of Moose River basin. (Ontario. Dept. of Mines. Annual report, 1904. v. 13, pt. 1, p. 135-97, illus., fold. map)

Contains a report on a coal investigation made in the summer of 1903; a physiographic description of the route of the Opazatika, Wabiskagami and Nettogami Rivers, the lakes and rivers of the Moose basin and Lake Kesagami; the stratigraphy and glacial geology of the whole area; the results of a study of the economic mineral resources: iron ores on the Opazatika and

Mattagami, gypsum on the Moose and other rivers, shales and clay, lignite on the Missanaibi, Opazatika, Sowseska, Kwataboahagan, and Abitibi Rivers; remarks on the peat bogs, climate, soils, forests, animals and Indians of this part of northern Ontario.

Copy seen: DGS.

1271. BELL, JAMES MACKINTOSH, 1877-1934. Explorations in the Great Bear Lake region. (Geographical journal, Sept. 1901. v. 18, p. 249-58, illus. fold. map)

Account of a Canadian Geological Survey party's explorations, Apr.-Aug. 1900; an overland trip from Great Bear Lake to Coppermine River and return, and thence to Great Slave Lake (with route map); notes on the Indians, general geographic features, and the game.

Copy seen: DLC.

1272. BELL, JAMES MACKINTOSH, 1877-1934. The fireside stories of the Chippewyans (Journal of American folk-lore, 1903. v. 16, p. 73-84)

Brief notes on Athapaskan tribes of the Barren Lands, especially the Hares and Dogribs, with texts of three tales (in English).

Copy seen: DLC.

1273. BELL, JAMES MACKINTOSH, 1877-1934. Great Slave Lake. (Royal Society of Canada. Transactions, May 1929. Ser. 3, v. 23, sec. 4, p. 5-38, map)

Contains an historical introduction, general descriptions of the climate, vegetation, fauna and inhabitants, and (in detail) the general geology and physical features, with a bibliography.

Copy seen: DLC.

1274. BELL, JAMES MACKINTOSH, 1877-1934. Great Slave Lake. (Geographical review, Oct. 1929. v. 19, p. 556-80, illus. (incl. map)

Text similar to that of the item above with somewhat less detail in certain sections, e.g. geology, bibliography omitted, and illustrations added.

Copy seen: DLC.

1275. BELL, JAMES MACKINTOSH, 1877-1934. The lead-zinc deposits near Pine Point, Great Slave Lake. (Canadian Institute of Mining and Metallurgy. Transactions, 1929. v. 32, p. 122-39, illus., incl. sketch maps; also *pub.* in Canadian mining and metallurgical bulletin, Oct. 1929. No. 210, p. 1141-57)

Contains history of the exploration and prospecting of the area, a descrip-

tion of the climate, topography, general geology, and (in detail) the nature and origin of the deposit; with discussion, p. 138-39. *Copy seen:* DGS.

1276. BELL, JAMES MACKINTOSH, 1877-1934. Legends of the Slave Indians of the Mackenzie River. (Journal of American folk-lore, 1901. v. 14, p. 26-29)

Two tales (in English).

Copy seen: DLC.

1277. BELL, JAMES MACKINTOSH, 1877-1934. Report on the topography and geology of Great Bear Lake and of a chain of lakes and streams thence to Great Slave Lake. Ottawa, Printed by S. E. Dawson, 1901. 36 p. (Canada. Geological Survey. Annual report. v. 12, 1899, pt. C)

Report on explorations during the seasons 1899-1900, under the direction of Dr. Robert Bell, the author being his assistant during the 1899 season. Contains an account of the sledge journey in 1900, from Fort Resolution across Great Slave Lake to Fort Providence, thence by river steamer to Fort Simpson, and by canoe down the Mackenzie River and up the Bear River; the exploration around Great Bear Lake, and across the Barren Grounds to Dease and Coppermine Rivers; and the return from Fort Confidence, via MacTavish and Dease Bays, Camsell River and its lakes, to Great Slave Lake. Includes descriptions of routes, physical features and rocks, of the streams, lakes and shorelines, of the features mentioned, also of Gruard, Hottah, Stairs, Beaver Lodge, Malfait, Isabella, Ste. Croix, Rae, Faber, Sarah, and Marian Lakes.

Appendix: Barlow, A. E. Descriptions of rocks collected.

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1278. BELL, ROBERT, 1841-1917. The geographical distribution of forest trees in Canada. (Scottish geographical magazine, June 1897. v. 13, p. 281-96, plate, fold. map)

Notes on a tree-line map showing limits of the more important species from Labrador to Lake Athabaska, and discussion of features of the tree line, the post-Pleistocene conditions, means for diffusion of trees, conditions governing distribution, etc.

Copy seen: DLC.

1279. BELL, ROBERT, 1841-1917. The geology of Hudson's Bay and Strait. (In: Canada, Dept. of Marine. Report of the Second Hudson's Bay expedition 1885, pub. 1885, p. 55-70, fold. chart)

Contains a report on the expeditions of 1884 and 1885, and of the author's earlier journeys into the region; descriptions of the rocks of the shore and islands from Rupert's Bay northward to Cape Dufferin, and the west shore to Chesterfield Inlet, with mention of Repulse Bay; a discussion of the economic minerals of the Northwest Territories, including iron, copper, lead, zinc, molybdenum, silver, gold, gypsum, salt, coal, petroleum, and others.

The work done in 1885 is also reported in: Robert Bell's *Observations on the geology, zoology and botany of Hudson's Strait and Bay*, 1885.

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1280. BELL, ROBERT, 1841-1917. The history of the Che-che-puy-ew-tis, a legend of the northern Cree. (Journal of American folk-lore, 1897, v. 10, p. 1-8)

A hero legend (collected in the James Bay region) with some comparative discussion.

Copy seen: DLC.

1281. BELL, ROBERT, 1841-1917. The Labrador Peninsula. (Scottish geographical magazine, July 1895, v. 11, p. 335-61, 7 plates, fold. map)

Description of the physical geography and geology with notes on climate, forests, fauna, population and Moravian missions, of the area now comprising northern Quebec, Ungava Peninsula and Labrador.

Copy seen: DLC.

1282. BELL, ROBERT, 1841-1917. Mackenzie District. (Canada. Geological Survey. Annual report, 1899, pub. 1902. Pt. A. Summary report, 1899. pub. 1900. p. 103-110)

Report on exploration of Great Slave Lake, June-Sept. 1899: brief summary of activities in surveying the lake northeast of Fort Resolution, and a description of the rocks, with note of ore occurrences of the southeast side of the lake and part of the northwest side of McLeod Bay.

Copy seen: DLC.

1283. BELL, ROBERT, 1841-1917. Observations on the geology, mineralogy, zoology and botany of the Labrador Coast, Hudson's Strait and Bay. Montreal, Dawson Brothers, 1884. 62 p. 2 plates. (Canada. Geological Survey. Report of progress, 1882-83-84. Pt. DD)

Contains an account of Dr. Bell's work on the Canadian Hudson Bay Expedition, 1884; descriptions of the physical features, the geology and minerals of the Labrador coast, especially along Nachvak Bay, Cape Chidley, and Hudson Strait; notice of the discovery and naming of McLelan Strait; notes on the tree line, the tides, the natives, the ice and dust carried by it, the fauna and flora, fishes, seals, etc.; similar notes on Nottingham, Digges, and Mansfield (i.e. Mansel) Islands.

Appendices: 1. List of plants (two hundred ninety-nine species), by Prof. Macoun.

2. List and notes of mammals (fifty-four species).

3. List and notes of birds (fifty-two species).

4. Smith, S. J. List of Crustacea from Port Burwell (sixteen species).

Whiteaves, J. F. List of marine invertebrates from Hudson's Strait (seventy-one species).

5. Lyman, H. H. List of Lepidoptera collected in Hudson's Strait, 1884 (six species).

Smith, J. B. List of Coleoptera collected at Fort Churchill (fourteen species).

Copy seen: DGS.

1284. BELL, ROBERT, 1841-1917. Observations on the geology, zoology and botany of Hudson's Strait and Bay, made in 1885. Montreal, Dawson Brothers, 1885. 27 p. illus., 2 plates, fold. map. (Canada. Geological Survey. Annual report, 1885. Pt. DD)

Contains observations on the ice conditions, the shore lines, the rocks and geological formations, and the islands, made during the second Hudson Bay expedition of the *Alert*, 1885; also chapters of the Laurentian system around Hudson Bay, and geology of the west coast; with an appendix: Partial list of insects collected in 1885 by Dr. Robert Bell, in connection with the Hudson's Bay Expedition. Material from this paper appears also in the author's *Geology of Hudson's Bay and Strait*, 1885.

Copy seen: DLC.

1285. BELL, ROBERT, 1841-1917. On glacial phenomena in Canada. (Geological Society of America. Bulletin, Apr. 1890. v. 1, p. 287-310)

Discussion of the evidences of glaciation, direction of flow, geologic results, period and cause of glaciation in the Canadian area. *Copy seen:* DGS.

1286. BELL, ROBERT, 1841-1917. On the commercial importance of Hudson's Bay, with remarks on recent surveys and investigations. (Royal Geographical Society. Proceedings, Oct. 1881. New ser., v. 3, p. 577-86, fold. map)

General description of the region, depth, drainage basin, tributaries, ice conditions, and harbors of the bay, with discussion of its future as a shipping route, and of the agricultural, timber, and mineral resources of its surrounding territory. *Copy seen:* DLC.

1287. BELL, ROBERT, 1841-1917. On the occurrence of mammoth and mastodon remains around Hudson Bay. (Geological Society of America. Bulletin, June 1898. v. 9, p. 369-90)

Discussion of the geographical range of the species, the related geologic climate, the animals' migration, and causes of their extinction; occasioned by the discovery of a mammoth tooth on Long Island, Hudson Bay, and mastodon remains on the mainland near the head of James Bay.

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1288. BELL, ROBERT, 1841-1917. Recent explorations to the south of Hudson Bay. (Geographical Journal, July 1897. v. 10, p. 1-19, illus. fold. map)

Account of a Canadian Geological Survey mapping trip, 1895-96, in the region south and east of James Bay, during which the Nottaway River was surveyed. Includes descriptions of the physical features of the territory between Lake Mattagami and Rupert River, with more detailed remarks on the Nottaway River.

Map "The Noddawai River and its tributaries, southeast of James Bay (Canada) from the surveys of Robert Bell," scale 1:750,000, follows p. 128.

Copy seen: DLC.

1289. BELL, ROBERT, 1841-1917. Report of an exploration on the northern side of Hudson Strait. Ottawa, S. E. Dawson, 1901. 38 p. 4 plates, fold. col.

map. (Canada. Geological Survey. Annual report, 1898. New ser., v. 11, pt. M)

Contains a report of a track survey and geological exploration from Big Island to Chorkbak Inlet, 1897, with notes on the islands, ice and harbors; descriptive notes on the mountains, glaciers, and lakes of the southern Baffin Island and (in detail) on the geological formations and glacial geology.

Appendices: 1. Astronomical observations. 2. List of plants collected. 3. List of Lepidoptera.

Map: Map of the coasts of Hudson Strait and Ungava Bay to illustrate reports of R. Bell and A. P. Low, scale: 25 mi.:1 in.

Copy seen: DLC.

1289A. BELL, ROBERT, 1841-1917. Report on an exploration in 1865 [sic] between James' Bay and Lakes Superior and Huron. (Canada. Geological Survey. Report of progress, 1875-76, pub. 1877. p. 294-342)

Contains descriptions of the geology, minerals, and physical features of the country on the Mattagami, Moose, and Missinaibi Rivers, with remarks on James Bay and its eastern shore, explored in 1875.

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1290. BELL, ROBERT, 1841-1917. Report on an exploration of portions of the At-ta-wa-pish-kat and Albany Rivers, Lonely Lake to James' Bay, 1886. Montreal, Dawson, 1887. 38 p., 1 l. 4 plates. (Canada. Geological Survey. Annual report, 1886. Pt. G.)

Contains a narrative of the journey, with notes on the routes, soil, climate, vegetation, glacial geology, rocks, Devonian fossils, Indians, and descriptive details of the rivers.

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1291. BELL, ROBERT, 1841-1917. Report on an exploration of the east coast of Hudson's Bay 1877. Montreal, Dawson Brothers, 1879. 2 p. l., 37 p. 6 plates. (Canada. Geological Survey. Report of progress, 1877-78. Pt. C)

Contains a narrative of a trip from Lake Superior to Moose Factory, thence by small boat, along the east shore, north to Portland Promontory and return; a survey of the Abitibi River; description of the rocks, the islands, the rivers, geology, minerals, soils, climate and timber of the Eastmain shore; a list of fossils collected between Missi-

naibi River and Moose Factory, and remarks on the soil south of James Bay.

Copy seen: DGS.

1292. BELL, ROBERT, 1841-1917. Report on Hudson's Bay and some of the lakes and rivers lying to the west of it. Montreal, Dawson Brothers, 1881. 2 p. l., 113 p. incl. tables, 8 plates, fold., col. map. (Canada. Geological Survey. Report of progress, 1879-80. Pt. C)

Contents include: Notes on a voyage in 1880 from York Factory to London, by the bark *Ocean Nymph* (with notes on Hudson Strait and on the fishes and ice of Hudson Bay).

General account of Hudson Bay (dimensions, depth, rivers, harbors, navigation, tides, resources, trade route, and exports).

The northern limits of the principal forest trees of Canada, east of the Rocky Mts. (with map).

Geographical distribution of trees, not represented on map.

Appendices: 2. List of plants collected in 1880 (two hundred sixty-one species).

3. List of Coleoptera, York Factory (twenty-seven species).

4. Mollusca (fourteen land shells, eleven marine).

5. Analysis of the waters of Hayes and Nelson Rivers.

6. York Factory seasonal or periodic events (climate and natural history).

7. Table of opening and closing dates for Hayes River at York Factory.

8. York Factory, dates of arrival and sailing of Hudson's Bay Co. vessels, 1788-1880.

9. Moose Factory seasonal or periodic events.

10. Moose Factory, dates of arrival and sailing of Hudson's Bay Co. vessels, 1735-1880.

11. Weather statistics for two years at York and Moose Factories (abstracts of all observations, daily mean temperatures, daily high and low temperatures). *Copy seen:* DGS.

1293. BELL, ROBERT, 1841-1917. Report on the country between Lake Winnipeg and Hudson's Bay, 1878. Montreal, Dawson Brothers, 1879. 2 p. l., 31 p. 5 plates. (Canada. Geological Survey. Report of progress, 1877-78. Pt. CC)

Contains a narrative of a trip from Norway House to York Factory by

way of Oxford House and Nelson River; observations on geology, soil, climate, timber, fishes, birds and mammals.

Copy seen: DGS.

1294. BELL, ROBERT, 1841-1917. Report on the geology of the basin of Nottaway River. Ottawa, King's Printer, 1902. 11 p. fold. map. (Canada. Geological Survey. Annual report, 1900. New ser., v. 13, pt. K)

Results of a micrometer and compass survey carried out 1895-96. Description of the Huronian areas, the Great Belt rocks (crystalline schists, greenstones, and granites) and the Laurentian rocks.

A narrative of this survey trip and description of the general physical features appear in the Canadian Geological Survey *Summary reports, 1895-96*, and in the author's *Recent explorations to the south of Hudson Bay*, 1897, q.v.

Map: No. 702. Geological map of the basin of the Nottaway River, north-western Quebec, 47°30'-51°30'N. 74°-79°W. (scale 1:633,600). The information on strike, dip, and glacial striae shown here, is not repeated in the text.

Copy seen: DLC.

1295. BELL, ROBERT, 1841-1917. Reports on the geology of the basin of Moose River and of the Lake of the Woods and adjacent country. Montreal. Dawson Brothers, 1883. 2 p. l., 39 p. 2 plates, 2 fold maps. (Canada. Geological Survey. Report of progress, 1880-81-82. Pt. C)

Maps only, have information on regions within the scope of this Bibliography: Geological (scale, 8 mi.: 1 in.) including the lower reaches of the Mattagami and Abitibi Rivers flowing into James Bay. Plan of Moose River from neighborhood of Moose Factory to James Bay (scale, 2 mi.: 1 in.).

Copy seen: DGS.

1296. BELL, ROBERT, 1841-1917. Rising of the land around Hudson Bay. (Smithsonian Institution. Annual report, 1897, *pub.* 1898. p. 359-67) Abstract, as printed in American journal of science, ser. 4, v. 1, p. 219-28, Mar., 1896, of a paper read before the Geological Society of America, Philadelphia, Dec. 27, 1895.

A discussion of the raised beaches, stranded driftwood, marine fossils and bathymetric variations as observed by the author along east and west shores

of Hudson and James Bays, in the period 1875-95, with references to observations in earlier explorers' narratives.
Copy seen: DLC.

1297. BELL, ROBERT, 1841-1917. A survey in Baffinland, with a short description of the country. (Geographical journal, July 1901. v. 18, p. 25-46, illus., fold. map)

Account of a Canadian Geological Survey party, sent out on the *Diana* in 1897. Includes a description (in general) of the physiography and natural history of the southern part of Baffin Island, and (in particular) of the coast from Big Island to Chorkbak Inlet, of which a track survey was made; also notes on currents.

Copy seen: DLC.

BELL, ROBERT, 1841-1917, see also Borron, E. B. Report on basin of Moose R. & adjacent country. 1890.

BELL, ROBERT, 1841-1917, see also Canada. Dept. of Marine & Fisheries. Report Hudson's Bay Expedition, 1886. 1887.

BELL, ROBERT, 1841-1917, see also Canada. Dept. of the Interior. Great Mackenzie basin. rev. ed. 1908.

BELL, ROBERT, 1841-1917, see also Ontario. Dept. of Mines. Reports on District of Patricia. 1912.

1298. BELL, THOMAS, 1792-1880. Account of the Crustacea. (In: Belcher, Sir E. The last of the arctic voyages, 1855. v. 2, p. 400-411, 3 plates)

Annotated list, with synonyms, references and some descriptions, of twenty (including three new) species collected from Wellington Channel in 1852-54. *Copy seen:* DLC; NNS Stef.

1299. BELL, WILLIAM BONAR, 1877- Experiments in re-establishment of musk-oxen in Alaska. (Journal of mammalogy, Aug. 1931. v. 12, p. 292-97)

Account of the importation from northeast Greenland of thirty-four musk oxen to establish a herd in Alaska, under the U. S. Biological Survey, through an act of Congress, 1930. Includes details of shipping, feeding, and readjustment of the animals.

Copy seen: DSI-M.

1300. BELLEAU, HENRI, 1896- Les missions de la Baie James. (L'Apos-

tolat, fév. 1940. v. 11, p. 46-56, illus.)
Title tr.: The missions of James Bay.

The February 1940 issue of this monthly review of Canada for the Oblats de Marie Immaculée was dedicated to the new apostolic vicariate at James Bay, established Dec. 1938. This article by the district head of the order describes the missions serving the Indians along both shores of James Bay. Elsewhere in the same issue is information on the order's personnel of the district.
Copy seen: CaOUS.

1301. BELLEAU, HENRI, 1896- Un nouveau vicaire apostolique à la Baie d'Hudson. (Études oblates, 1943. T. 2, p. 89-90) *Title tr.:* A new apostolic vicariate on Hudson Bay.

Note on the occasion of the founding of the vicariate by the Oblats de Marie Immaculée.
Copy seen: CaOUS.

1302. BELLEBON, Dr., and J. H. GUÉRAULT. Les Esquimaux du Gröenland considérés sous le point de vue de leur race, de leurs caractères au physique et au moral, de leur hygiène et de leurs maladies ordinaires. (In: Chojceki, K. E. Voyage dans les mers du nord à bord de la corvette la Reine Hortense, 1857. Notices scientifiques, p. 21-41) *Title tr.:* The Eskimos of Greenland; their race, physical and moral characteristics, hygiene and common diseases.

Based on the authors' observations during a visit to West Greenland with Prince Bonaparte's party on the *Reine Hortense* in the summer of 1856, and on published works. Describes the appearance, general way of life and common ailments of the Eskimos.
Copy seen: DLC.

1303. BELLOT, JOSEPH RENÉ, 1826-1853. Journal d'un voyage aux mers polaires à la recherche de Sir John Franklin; par J. R. Bellot; avec une introduction par M. Paul Boiteau. 3. éd. Paris, Garnier frères, 1875. xlv, 363 p. front. (port.) fold. map.

Another edition of the *Journal* (pub. 1854) without the biographical sketch of the author, but with addition of a foreword summarizing events preceding and following the second cruise of the *Prince Albert*. *Copy seen:* DLC.

1304. BELLOT, JOSEPH RENÉ, 1826-1853. Journal d'un voyage aux mers polaires, exécuté à la recherche

de Sir John Franklin, en 1851 et 1852, par J. R. Bellot précédé d'une notice sur la vie et les travaux de l'auteur, par m. Julien Lemer. Paris, Perrotin, 1854. lvi, 414 p., 1 l. front. (port.) fold. map. *Title tr.*: Journal of a voyage to the polar seas in search of Sir John Franklin, 1851 and 1852, by J. R. Bellot, preceded by a notice on the life and works of the author, by Julien Lemer.

Account of the second voyage of the *Prince Albert*, outfitted and dispatched by Lady Franklin under command of Capt. William Kennedy. Describes the voyage to Prince Regent Inlet, establishment of a base in Batty Bay, Somerset Island; overland trips around the island in Peel Sound region and eastern Prince of Wales Island; discovery of Bellot Strait. Includes throughout, observations on the ice, animals, and birds seen at sea, the physical features of the country and the climate, with notes on the Eskimos of West Greenland and the Canadian Arctic Islands.

Copy seen: CaO; DLC.

1305. BELLOT, JOSEPH RENÉ, 1826-1853. Memoirs of Lieutenant Joseph René Bellot, with his Journal of a voyage in the polar seas, in search of Sir John Franklin. London, Hurst & Blackett, 1855. 2 v: 391; 403 p. front. (port.)

Translation of his *Journal d'un voyage aux mers polaires*, 1854, q.v.

Copy seen: DLC.

BELOKOPYTOV, I. E., see Fedorova, R. V., & I. E. Belokopytov. Torf na Kaninskom p-ove. 1934.

1306. BELOPOL'SKII, L. O. K ornitofaune Anadyrskogo kraia. (Leningrad. Vsesoiuznyi arkticheskii institut, Trudy, 1934. T. 11, p. 23-44, illus.) *Title tr.*: On the ornithofauna of the Anadyr Land.

Annotated list of ninety-two species of birds with a brief account of the author's ornithologic observations and some other work carried out during 1930-31 in the Anadyr estuary, along the lower Anadyr River and in a few other eastern Siberian coastal localities.

Summary in English.

Copy seen: DLC.

1307. BELOPOL'SKII, L. O. K voprosu o kolichestvennom raspredelenii *Fulmarus glacialis* i *Rissa rissa* (Seu

tridactyla) v Barentsomov more. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1933. T. 8, p. 101-105, 3 diagrs.) *Title tr.*: On the question of numerical distribution of *Fulmarus glacialis* and *Rissa rissa* (Seu *tridactyla*) in Barents Sea.

Report on the numbers of these arctic sea birds of the petrel family, observed Aug. 5-13, 1927; May 31-June 5, 1928 and June 6-8, 1928. Summary in German.

Copy seen: DLC.

1308. BELOPOL'SKII, L. O. O migratsiakh i ekologii razmnozheniia tikhoookeanskogo morzha (Zoologicheskii zhurnal, 1939. T. 18, vyp. 5, p. 762-78, illus.) *Title tr.*: On the migration and ecology of the Pacific walrus.

Based on observations made during the Scientific Sea-hunting Expedition of the Central and Pacific Scientific Institutes, in 1930-31, also during trips of the ice-breakers *Sibiriakov*, 1932, and *Chelūskein* 1933-34, and on reports of various travelers in the region of Chukotsk Peninsula, 1929-34. Study of the problem of walrus migration in the Bering and Chukchi Seas, with map showing wintering spots, migration routes, rookeries. Detailed account of the ecology, various types of herds and their composition, determination of age of walrus (by length of tusk), life expectancy (35 years average, 60 years maximum), propagation (with tabular data and illustrations on development of embryo).

Summary in English.

Copy seen: DLC.

1309. BELOPOL'SKII, L. O. O zimovke gagi v Kol'skom zalive. (Sovetskii Sever, 1930, no. 4, p. 77-79) *Title tr.*: The eider duck winter-quarters at Kola Bay.

Report on the author's observation of eider ducks at the Murmansk Biological Station, during the months Dec.-Jan. of three winters, 1926-27, 1927-28, 1929-30. *Copy seen:* DLC.

1310. BELOUSOV, M. P. Tactical principles of navigation in ice (on verso of U. S. Hydrographic Office. Pilot chart of the South Atlantic Ocean, Mar.-May, 1947. No. 2600. illus.) Extracts (in English translation) from O taktike ledovogo plavaniia, 1940, by Belusov, master of the Russian ice-breaker *J. Stalin*.

Brief notes on ice conditions in Soviet arctic seas; description of types of ships in the U.S.S.R. arctic fleet, preparation of vessels, principles of navigation, convoy practices, liberation of ice-bound ships, dangers of heavy ice, signals, and ice scale.

Copy seen: DN-HO; NNStef.

1311. BELOUSOV, N. A., and D. E. TAIROV. Stroim diesel'-elektricheskie ledokoly. (Sovetskaiā Arktika, 1936, no. 4, p. 25-27) *Title tr.:* We build Diesel-electric ice-breakers.

Description of the ice-breakers *Kirov* and *Kuibyshev* under construction, comparison of their main features with those of older ice-breakers, *Krasin* and *Ermak*.

Copy seen: DLC.

1312. BELOV, A. M., and A. F. SHIDLOVSKI. Bibliographisches Verzeichnis der wichtigsten Literatur über die Taimyr-Halbinsel und Severnaja Semlja (Nordland). (In: Berson, Arthur, ed. Die Arktisfahrt des Luftschiffes "Graf Zeppelin" im Juli 1931, pub. 1933, p. 98-112) *Title tr.:* Bibliographical guide to the most important literature on the Taymyr Peninsula and Severnaya Zemlya (Northern Land).

List of two hundred fourteen works (including fourteen charts) on Taymyr Peninsula and Severnaya Zemlya.

Copy seen: DLC.

1313. BELOV, S. Teplichnoe khoz'iaistvo v bukhte Provideniā. (Sovetskaiā Arktika, 1940, no. 1, p. 81-85, illus., table) *Title tr.:* Hothouse economy in Provideniya Bay.

The author organized hothouse gardening at Provideniya (64°17'N. 173°10'W.) on Chukotsk Peninsula, and describes methods employed (hothouses above ground, etc.) and the favorable results obtained in growing vegetables.

Copy seen: DLC.

1314. BELOWSKY, MAX, 1865-. Beiträge zur Petrographie des westlichen Nord-Grönlands. (Deutsche geologische Gesellschaft. Zeitschrift, 1905. Bd. 57, p. 15-90) *Title tr.:* On the petrography of western North Greenland.

Based on laboratory examination of the rocks collected by the Greenland Expedition of the Geographical Society of Berlin, 1891-93, and on previous publications concerning the west coast of Greenland, with a bibliography.

Copy seen: DGS.

1315. BELYK, V. I. O rasprostraneniī sobol'ia v Yakutii. (Priroda, 1948, no. 6, p. 64) *Title tr.:* On the distribution of the sable in Yakutia.

Sable is less plentiful than it was in the 19th century and is found in different parts of Yakutia from its former localities.

Copy seen: DLC.

1316. BELYKH, F. I. Ozero Lama i ego rybokhoz'iaistvennoe ispol'zovanie. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo khoz'iaistva. Trudy; seriā "Promyslovoe khoz'iaistvo", 1940. Vyp. 11, p. 73-100, tables, diagrs.) *Title tr.:* Lake Lama and the exploitation of its fish resources.

Description of Lake Lama (one of the Noril'sk Lakes in Krasnoyarskiy Kray, 69°25'-69°40'N. 89°51'-93°43'E.), its fish population, fisheries, and statistical data on the catch.

Copy seen: DLC.

1317. BENCKER, H. The bathymetric soundings of the oceans. (Hydrographic review, 1930. v. 7, no. 2, p. 64-97, incl. tables)

Résumé of source material for the subject; chronological list of oceanic explorations since 1800; cable ships and war vessels which have contributed to deep-sea soundings; and lists of principal deeps and shallows, arranged by oceans, including Bering and Beaufort Seas, Aleutian Trench, and Arctic Basin.

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1318. BENDIXEN, O. Bemaerkninger til den under 27. mai 1921 af et udvalg afgivne betaenkning angaaende de Grønlandske anliggender. (Grønlandske selskab. Aarsskrift, 1922, hefte 1, p. 5-64) *Title tr.:* Remarks on the committee's report of May 27, 1921, together with its deliberations on Greenlandic affairs.

Contains a report on the historical and political development of Greenland, together with recommendations for the future; discussion of proposed reforms, trade monopoly, organs of government, ecclesiastical affairs, conditions of livelihood, education, electoral procedure, sealing, whaling, conservation of wildlife, social reforms, etc.

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1319. BENDIXEN, O. Beskrivelse af distrikterne i Sydgrønland, med historiske oversigter af Louis Bobé. (In: Grønland i tohundredaaret for Hans Egedes landing, bd. 2, 1. del. Pub. in

Meddelelser om Grønland, 1921. Bd. 61, p. 1-559, plates, sketch maps, tables) *Title tr.*: Description of the districts in South Greenland, with historical summaries by Louis Bobé.

Covers Holsteinsborg, Sukkertoppen, Godthaab, Frederikshaab and Julianehab Districts of West Greenland, their physical geography, geology, climate, plant and animal life, population, economic activities and administration; also historical sketches, notes on individual localities, populated places (with sketch maps, showing location of buildings, etc.) Includes lists of Danish officials in the Godthaab and Julianehab Districts.

Copy seen: DLC.

1320. BENDIXEN, O. Ekspeditionen til Cap Farvel egnen. (Geografisk tidsskrift, Kjøbenhavn, 1929. Bd. 32, p. 160-79, illus., map) *Title tr.*: The expedition to the Cape Farewell region.

Report of this expedition to Lindén Fiord 57 km. northeast of Cape Farewell, southern Greenland, to investigate possibilities for sealing, hunting and fishing there. Includes a brief account of the expedition, Aug. 1925-July 1925, description of the region, the Eskimo and Norse ruins, climate, winds and ice conditions, animal life, hunting conditions, and trade possibilities.

Summary in English.

Copy seen: DLC.

1321. BENDIXEN, O. Ekspeditionen til Lindenow fjorden i sommeren 1925. (Grønlandske selskab. Aarskrift, 1925-26. p. 89-103, illus., map) *Title tr.*: The expedition to Lindenows Fiord in the summer of 1925.

Notes investigation of possibilities for establishment of sheep and cattle raising depot on the boundary line between East and South Greenland; geography, soil, vegetation, wildlife, sealing, fishing, etc.; establishment of a depot and settlement in the Cape Farewell district on Lindenows Fiord (approx. 59°18'-60°15'N., 42°40'-44°8'W.) to secure Danish rights there.

Copy seen: NN; NNSf.

1322. BENDIXEN, O. Forsøg paa identificeringen af Vesterbygden fjorde. (Geografisk tidsskrift, Kjøbenhavn, 1930. Bd. 33, p. 18-26, map) *Title tr.*: An attempt to identify the fiords of "Vesterbygden" (i.e. the Western Settlement).

Challenge of Finnur Jónsson's identification of the fiords of the Norse colony "Vesterbygden" (in his *Grønlands gamle topografi efter kilderne*, q.v.); and discussion of the author's own theories, based on investigations in the Godthaab District.

Summary in English.

Copy seen: DLC.

1323. BENDIXEN, O. Grønlaendernes fiskeri. (Grønlandske selskab. Aarskrift, 1926-27. p. 71-79) *Title tr.*: The fishery of the Greenlanders.

Contains a reply to Prof. Ad. S. Jensen's *Udviklingen af Grønlaendernes fiskeri*, q.v., noting influence of modern fishing methods on sealing; considers relationship between fishery and sealing; notes decline in sealing and blubber. Includes letters exchanged and statistics.

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1324. BENDIXEN, O. Den grønlandske generaltakst og handel og omsætning ved kolonierne i gamle dage. (Grønlandske selskab. Aarskrift, 1917. p. 1-9, tables) *Title tr.*: The Greenland price standard, commerce and turnover in the colonies in olden days.

Notes appointment of inspectors, introduction of weights and measures, price standards, bookkeeping, and ledger system with double entry, together with general control of Greenland trade, in 1782; listing of products and wares; fixed prices superceding barter. Comments on traders' attitude to regulations, illicit trade with the Dutch, etc. Includes statistics.

Copy seen: NN.

BENDIXEN, O., see also Bobé, L. T. A., & O. Bendixen. Lars Møller. 1916.

1325. BENEDICKS, CARL AXEL FREDRIK, 1875-. Le fer d'Ovifak: un acier au carbone natif. (International Geological Congress. 11th, 1910. Compte rendu, 1912. Fasc. 2, p. 885-90, 4 plates) *Title tr.*: An iron meteorite of Ovifak, a steel from native carbon.

Copy seen: DGS.

BENEDICKS, CARL AXEL FREDRIK, 1875-, see also Löfquist, H., & C. Benedicks. Stora nordenskiöldska järnblocket från Ovifak. 1941.

1326. BENFELD, S. S. Dirizhabl' v Arktike. (Sovetskaya Arktika, 1935, no. 4, p. 26-28) *Title tr.*: The airship in the Arctic.

Theoretical discussion of advantages and disadvantages of airships in comparison with airplanes, under the conditions of the North.

Copy seen: DLC.

BENFEL'D, S. S., *see also* Liskovets, F. A., & S. S. Benfel'd. Dirizhabl' v Iakutii. 1933.

1327. BENGTTSSON, MAGNUS. Ene med dyr og mennesker; et aar i Scoresby Sund. [København] S. Hasselbalch, 1927. 228, [1] p. illus. (incl. mounted port., maps) mounted col. plates (incl. front.) *Title tr.:* Alone among animals and men.

Author relates his experiences wintering at Scoresby Sound, East Greenland, 1924-25, at times alone, at times with a few companions, on the Scoresby Sound Colonization Expedition under Einar Mikkelsen, to prepare for the settling of one hundred Eskimos from Angmagssalik in the Scoresby Sound district. Describes encounters with, and hunting of, polar bears, foxes, musk oxen, wolves, etc.; kayak trips; northern lights, the dark winter months and the return of the sun; the death of Biering Petersen, geologist, and other incidents during a year-round sojourn in East Greenland.

Copy seen: DLC; NNStef.

1328. BENGTTSSON, SIMON FREDRIK, 1860-1939. Beitrag zur Kenntnis der Ephemeropteren des nördlichen Norwegens. Tromsø, K. Karlsen, 1930. 19 p. illus. text map (Tromsø, Norway. Museum. Aarshefter, 1928. Bd. 51, no. 2). *Title tr.:* A contribution to the knowledge of Ephemeroptera of northern Norway.

Contains a systematic list of twenty-two species of mayflies from northern Norway, including descriptions of *Paraleptophlebia tumida* and *Metretopus alter* n. spp. from Tromsø province, and data on distribution and occasional critical notes on other species native to Nordland, Tromsø and Finnmark regions.

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1329. BENICK, L. Über nord-palaearktische Steninen vorwiegend aus dem Zoologischen Museum in Helsingfors (Col., Staphyl.). (Societas pro fauna et flora fennica. Meddelanden, 1919-1920, pub. 1921. Häfte 46, p. 135-56, illus.) *Title tr.:* On north-palaeartic

Stenus species, mostly from the Zoological Museum in Helsingfors (Col., Staphyl.).

Contains a critical revision of thirty northern palaeartic species of beetles of coleopterous genus *Stenus*, with Latin diagnoses of six new species, critical notes and data on distribution, based mostly on specimens from the Zoological Museum in Helsingfors (collections of Y. Warentaus and others). Includes some species from Scandinavia, Kola Peninsula, Yenisey River basin and Kamchatka Peninsula.

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1330. BENING, A. L. Kachestvennyi i kolichestvennyi sostav bentosa nekorykh ozer tšentral'noi Iakutii. (Leningrad. Gosudarstvennyi gidrologicheskii institut. Issledovaniia ozer SSSR, 1935. Vyp. 8, p. 125-40) *Title tr.:* Qualitative and quantitative composition of the benthos in some lakes of Central Yakutia.

Results of the studies conducted for the Leningrad Hydrographical Institute, 1932, listing fifty-five forms of bottom fauna taken from nine lakes in Yakut A.S.S.R., their numbers, depths and kinds of bottoms.

Summary in German.

Copy seen: DLC.

1331. BENIOWSKY, MORIZ AUGUST Graf von, 1741-1786. The memoirs and travels of Mauritius Augustus, Count de Benyowsky, in Siberia, Kamchatka, Japan, the Liukiu Islands and Formosa; from the translation of his original manuscript (1741-1771), by William Nicholson, F.R.S., 1790. Edited by Captain Pasfield Oliver. London, T. F. Unwin, 1898. 399 p. front. (port.) 6 plates, fold. map.

Includes description of Kamchatka and its inhabitants, history, exile camps, and ways of life, based on a sojourn there during 1771.

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1332. BENIOWSKY, MORIZ AUGUST, Graf von, 1741-1786. Memoirs and travels of Mauritius Augustus, Count de Benyowsky. London, Kegan, Paul, Trench, Trubner & Co., 1904. xxxvi, 636 p. front. (port.) plate. Another edition of the work first published in 1898.

Copy seen: NNStef.

1333. BENJAMIN, FOSTER HENDRICKSON, 1895- . A new genus and species from Alaska. (Lepid., Arctiidae,

Nyctemerinae). (Canadian entomologist, Sept. 1935. v. 67, p. 195-97)

Full description of a new moth.

Copy seen: DSI-M.

BENNETT, EDWARD TURNER, 1795-1836, see Lay, G. T., & E. T. Bennett. Fishes. (Beechey's voyage 1825-28). 1839.

1334. BENNETT, HUGH HAMMOND, 1881- . Report on a reconnaissance of the soils and agriculture of the Kenai Peninsula region of Alaska. (In: U.S. Bureau of Soils. Field operations, 1916, pub. 1921. Report 18, p. 39-174, illus., 34 plates, 3 fold. maps (1 separate) tables)

Results of a U. S. Bureau of Soils and Forest Service reconnaissance in the summer of 1916, in the Chugach National Forest and environs, Kenai Peninsula. Brief but informative descriptions of the climate, geography, physiography, geology, regional drainage, vegetation, (forests), forest fires, settlement and general development. Description (in full) of the soils, with tabular results of chemical and mechanical analyses. Estimate of suitable farm land, and notes on raising potatoes and other vegetables, berries, flowers, grasses and forage, grain, livestock, poultry, etc., on land clearing, and cultivation. Notes on furs, game, other birds and animals, insects, fish, and recreation facilities; with a brief section on the Knik Arm strip, the physical features and soils of Prince William Sound region, and the Copper River delta. Copy seen: DA.

1335. BENNETT, HUGH HAMMOND, 1881- , and **THOMAS D. RICE**. Soil reconnaissance in Alaska, with an estimate of the agricultural possibilities. (U.S. Bureau of Soils. Field operations, 1914, pub. 1919. Report 16, p. 43-236, illus., 38 plates, 4 fold. maps)

Report of a survey made in connection with, and at the expense of, the Alaska Engineering Commission, in the summer of 1914. Includes information regarding crops, physiography, soil, transportation, markets, mining industries, and settlement as they relate to the development of agriculture in (1) Cook Inlet-Susitna region, (2) Yukon-Tanana region, (3) Copper River basin and delta; also a comparison of Alaska with Finland and parts of Siberia.

Maps include soil maps of (1) Cook Inlet-Susitna region, and (2) Yukon-Tanana region. Copy seen: DLC.

1336. BENNETT, P. M. The British Canadian Arctic Expedition. (Geographical journal, Feb. 1940. v. 95, p. 109-120, 4 plates, fold. map)

Account of an expedition under leadership of T. H. Manning, with support of the Royal Geographical Society, to the Southampton Island region, to survey the coasts, and study bird life and geology. Includes report on the surveying accomplished in 1936-37, remarks on the geography, coasts, and ice conditions in the region of Southampton Island, Roes Welcome Sound, Repulse Bay and Wager Inlet.

Copy seen: DLC.

1337. BENNIKE, SVEND AAGE BOISEN, 1918- . The Greenland variety of *Theromyzon garjaewi* (Livanow). København, C. A. Reitzel, 1939. 8 p. illus. (Meddelelser om Grønland. Bd. 125, nr. 2)

Detailed description of fresh-water leeches from West Greenland (Søndre Strømfjord and Godthaabsfjord regions) concluding with the establishment of a new subspecies, *Theromyzon garjaewi groenlandicum*.

Copy seen: DSI-M.

1338. BENSON, J. S. Meteorology. The Oxford University Expedition to Spitsbergen, 1933. Appendix 3. (Geographical journal, Aug. 1934. v. 84, p. 122-26)

Contains tables of (mean) monthly (July-Sept.) data on temperature, wind, and weather, representing the observations of the several parties taken at irregular times; and notes on mist and mirages. Copy seen: DLC.

1339. BENSON, ROBERT B. Sawflies from Bear Island (Hymenoptera, Symphyta). (Annals and magazine of natural history, Aug. 1934. Ser. 10, v. 14, p. 207-213)

Descriptions and notes on three species, one new, collected by the Cambridge Expedition to Bear Island, 1932.

Copy seen: DSI-M.

1340. BENT, ARTHUR CLEVELAND, 1866- . The Hudsonian curlew. (Birdlore, Jan.-Feb. 1913. v. 15, p. 59-62, plate) National Association of Audubon Societies' Educational leaflet, no. 62.

Notes on the appearance, range, migration, nesting and habits of this species which breeds on the barren grounds of Mackenzie District and western Alaska. *Copy seen:* DSI-M.

1341. BENT, ARTHUR CLEVELAND, 1866-. Life histories of North American [. . . birds, etc.] Washington, U.S. Govt. Print. Off., 1919-1949.

Published as U.S. National Museum Bulletins, this series (sixteen volumes already issued as of 1949) is a basic reference work. It includes, within its comprehensive scope, birds of arctic and subarctic habitat and breeding grounds, represented mainly by the volumes listed below. "The life history of each species is written in substantially the following sequence: spring migration, courtship, nesting habits, eggs, young, sequence of plumages to maturity, seasonal molts, feeding habits, flight, swimming and diving habits, vocal powers, behavior, enemies, fall migration, and winter habits." The main breeding and winter ranges are outlined and the normal migrations are given in sufficient detail to indicate the usual movements of each species. The arrangement follows the classification scheme of the American Ornithologists' Union.

Series includes: Diving birds, *pub.* 1919. (Bulletin 107) xiii, 245 p. 55 plates. (Includes the grebes, loons, puffins, auklets, murrelets, guillemots, murres, auks, and dovekies)

Gulls and terns, *pub.* 1921. (Bulletin 113) x, 345 p., 93 plates.

Petrels and pelicans and their allies, *pub.* 1922. (Bulletin 121), xii, 343 p. 69 plates.

Wild fowl, *pub.* 1923-25. (Bulletin 126, 130) 2 v. 46, 60 plates respectively. (Ducks, geese, swans, mergansers)

Marsh birds, *pub.* 1926. (Bulletin 135) xii, 490 p. 98 plates. (Hérons, cranes, and allies)

Shore birds, *pub.* 1927-29. (Bulletin 142, 146) 2 v. 55, 56 plates respectively. (Plovers, etc.)

Gallinaceous birds, *pub.* 1932. (Bulletin 162) xi, 490 p. 93 plates on 47 l. (Partridge, grouse, ptarmigan, etc.)

Birds of prey, *pub.* 1937-38. (Bulletin 167, 170) 2 v. 102, 92 plates respectively. (Falcons, hawks, and owls)

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1342. BENT, ARTHUR CLEVELAND, 1866-. A new subspecies of ptarmi-

gan from the Aleutian Islands. Washington, Smithsonian Institution, 1912. 1 p. l., 2 p. (Smithsonian miscellaneous collections. v. 56, no. 30)

Description of subspecies, of which a good series of the bird and nest were collected at Tanaga Island in 1911 for the Smithsonian Institution.

Copy seen: DLC.

1343. BENT, ARTHUR CLEVELAND, 1866-. Notes from Labrador. (Birdlore, Jan.-Feb. 1913. v. 15, p. 11-15, illus.)

The author spent July-Aug. 1912 on the coast of Labrador and gives here his comments on the status and need for protection of nineteen species of water birds there, of special interest as game or food birds.

Copy seen: DSI-M.

1344. BENT, ARTHUR CLEVELAND, 1866-. Notes on birds observed during a brief visit to the Aleutian Islands and Bering Sea in 1911. Washington, Smithsonian Institution, 1912. 1 p. l., 29 p. (Smithsonian miscellaneous collections, v. 56, no. 32)

Account of a reconnaissance to collect material for the author's work on life histories of American birds; with notes on sixty-three species of birds seen in June in the Aleutian Islands, and on twenty-two seen in Bering Sea and islands in July.

Copy seen: DLC.

BENT, ARTHUR CLEVELAND, 1866-, *see also* Hersey, F. S. List of birds observed in Alaska & NE. Siberia. 1916.

1345. BENT, SILAS, 1820-1887. An address before the St. Louis Historical Society, December 10, 1868, and repeated by request before the Mercantile Library Association, January 21, 1869, upon the thermometric gateways to the Pole; surface currents of the ocean and the influence of the latter upon the climate of the world. Saint Louis, R. P. Studley & Co., Printers, 1869. 29 p. front. (fold. map)

Another edition with some additional material was published as: An address delivered before the St. Louis Mercantile Library Association, January 6th, 1872, upon the thermal paths to the Pole, the currents of the ocean, and the influence of the latter upon the climates of the world. Saint Louis, 1872. 40 p. 2 fold. maps (incl. front.)

Includes an explanation of northern hemispheric ocean currents (as then understood), evidence in support of the open polar sea theory, and comment on explorations for a Northwest Passage.

Copy seen: DLC; NNSf.

1346. BENT, SILAS, 1820-1887. Communication from Captain Silas Bent upon the routes to be pursued by expeditions to the North Pole. (American Geographical Society. Journal, 1870. v. 2, pt. 2, p. 31-40)

Capt. Bent. U.S.N., made hydrographic surveys in Pacific waters during Commodore Perry's mission to Japan, 1852-54. He was a proponent of the theory that a warm current kept the polar sea open north of Bering Strait, perhaps as far as the North Pole. This paper expresses his view that the Kuro Sio (Japan Current) sends an offshoot north and eastward, similar to the offshoot from the Gulf Stream in the Atlantic. He cites information given him by whalers of the seas north and east of Bering Strait.

Bent's views are discussed in C. P. Daly's presidential address to the Society 1870, which included a survey of polar exploration (same volume, p. xcvi-cxxvi).

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1347. BENTHAM, ROBERT. Geology. Oxford University Ellesmere Land Expedition. Appendix I. (Geographical journal, May 1936. v. 81, p. 427-31)

Contains descriptive notes on the rock formations of the Etah region of North Greenland, the physical features of the Princess Marie Bay region and the rocks of Bache Peninsula, in the southeast part of Grinnell Land, Ellesmere Island.

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1348. BENTHAM, ROBERT. Structure and glaciers of southern Ellesmere Island. (Geographical journal, Jan. 1941. v. 97, p. 36-45, 2 plates, fold. map)

Report on two seasons' work, Sept. 1936-Aug. 1938, during which the coast was surveyed from Makinson Inlet to Starnes Fiord, and journeys made along the south coast and across Sverdrup Land (names suggested for southernmost part of Ellesmere Island). Includes descriptions of the structural geology, coastal features, fiords, glaciers, and raised beaches.

Appendix: Notes on the survey; degree of accuracy. *Copy seen:* DLC.

1349. BENTHAM, ROBERT, and DIAMOND JENNESS. Eskimo remains in S. E. Ellesmere Island. (Royal Society of Canada. Transactions, 1941. Ser. 3, sect. 2, v. 35, p. 41-55, 6 plates (4 fold.))

Notes by Diamond Jenness on specimens collected by R. Bentham during a geological investigation, 1937-38. Description of specimens, plans, photographs, and field notes from (1) Cobourg Island, (2) east coast of Ellesmere Island between Edward Point and Makinson Inlet, and (3) vicinity of Fram Fiord. The remains (17-18th century) are identified as examples of Thule culture with admixture of Dorset culture.

Copy seen: DLC; NNSf.

BENTHAM, ROBERT, *see also* Shackleton, E. A. A. Arctic journeys; Ellesmere Land exped. 1934-5. 1937.

BENTZEN, BERTHA, *see* Chemnitz, J., & others. Faareavl og kohold i Grønland. 1919.

1350. BENUA, K. A. Ogorodnichestvo ĭakutii. (Akademiĭa nauk SSSR. Komissiiĭa po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Soĭsialisticheskoi Respubliki. Materialy, 1930. Vyp. 29, p. 283-333, illus.) *Title tr.:* Vegetable gardening in Yakutia.

A description of plants and vegetables cultivated (mainly by Russian settlers), and of gardening methods in the Yakut A.S.S.R., based on observations made by the author during several journeys with various groups of the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1925-1926. Bibliography, p. 332-33.

Summary in English, p. 366-72.

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1351. BENUA, K. A. Predvaritel'nyi obzor mikologicheskikh i fitopatologicheskikh issledovanii v ĭakutii letom 1925 g. (Akademiĭa nauk SSSR. Komissiiĭa po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Soĭsialisticheskoi Respubliki. Materialy, 1927. Vyp. 8, p. 61-83, fold. map) *Title tr.:* A preliminary review of mycologic and phytopathologic investigations in Yakutia, summer 1925.

A study on fungi observed by the author on his trip with the Botanical party of the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1925.

Copy seen: DLC.

1352. BENUA, K. A. Predvaritel'nyi otechet po fitopatologicheskomu i mikologicheskomu obsledovaniiu Iakutskogo okruga v 1926 g. (Akademiia nauk SSSR. Komissiiia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 10, p. 219-35, illus.) *Title tr.*: A preliminary report on phytopathological and mycological observations in the Yakutsk District in 1926.

Account by a member of the Agromonomical Party of the Yakut Expedition of the Academy of Sciences U.S.S.R. on fungi parasitic on agricultural plants in this central section of Yakut A.S.S.R. *Copy seen:* DLC.

1353. BENUM, PETER. *Asplenium adullerinum* Milde på Rauøya, Tjøtta i Nordland. (Nytt magasin for naturvidenskapene, 1943. Bd. 83, p. 63-66) *Title tr.*: *Asplenium adullerinum* Milde in Rauøya, Tjøtta in Nordland.

Contains critical notes on *Asplenium adullerinum*, a spleenwort found in Rauøya and Tjøtta, Nordland, Norway, growing on serpentine cliffs, and an alphabetical list of about one hundred fifty flowering plants and vascular cryptogams from the same locality.

Copy seen: MH-A; MH-Z.

1354. BENUM, PETER. *Epipogium aphyllum* i Troms fylke. (Nytt magasin for naturvidenskapene, 1937, Bd. 77, p. 81) *Title tr.*: *Epipogium aphyllum* in Troms province.

Contains a report of a find in 1931, of *Epipogium aphyllum*, a terrestrial orchid, in Øvrebydd, Troms province, with data on habitat, and a list of fourteen plants from the same locality.

Copy seen: MH-Z.

1355. BENUM, PETER. Floraen på Karlsøy i Troms fylke. (Nytt magasin for naturvidenskapene, 1937. Bd. 77, p. 39-80, illus.) *Title tr.*: The flora of Karlsøy in Troms province.

Contains brief data on the physical and geographic features of this small island (70°N. 19°55'E.) in northern Norway, division of the vegetation into natural geobotanical zones, and a systematic enumeration of about three hundred fifty flowering plants and vascular cryptogams with abundance of lime-loving plants.

Summary in English.

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1356. BENUM, PETER. *Hippophaë rhamnoides* L. og *Isatis tinctoria* L. i Troms fylke. (Nytt magasin for naturvidenskapene, 1940. Bd. 80, p. 40-44, illus.) *Title tr.*: *Hippophaë rhamnoides* L. and *Isatis tinctoria* L. in Troms province.

Contains notes on distribution of *Hippophaë rhamnoides* found in 1938 near Dyngeneset, northern Norway, and *Isatis tinctoria*, also occurring in various localities in the Troms region, with historical notes, data on habitat and associated plants.

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1357. BENUM, PETER. *Matricaria discoidea* DC. in Nord-Norge. (Nytt magasin for naturvidenskapene, 1938. Bd. 78, p. 75-80, text map) *Title tr.*: *Matricaria discoidea* in northern Norway.

Contains data on distribution of *Matricaria discoidea*, an herb first found in Troms in 1917, and by 1938 reported from fifty-six localities in Nordland, Troms and Finnmark, northern Norway.

Summary in English.

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1358. BENYON, WILLIAM. The Tsimshians of Metlakatla, Alaska. (American anthropologist, 1941. New ser. v. 43, p. 83-88)

Account of christianized Tsimshians who moved from northern British Columbia in 1887, to establish a new community on Annette Island, Alaska, under direction of Rev. Wm. Duncan.

Copy seen: DLC.

1359. BÉR, K. M. Nieskol'ko slov po povodu novo-otkrytoi Vrangelevoi zemli (Vsesoiuznoe geograficheskoe obshchestvo. Izvëstiia, 1868. T. 4, p. 333-49) *Title tr.*: A few words concerning the newly-discovered Wrangel Land.

Interpretation of reports by Andreev (1763), 'Wrangel', DeLong, and others, concerning islands now called Wrangelya and Medvezh'i; with criticism of Petermann's views on the subject of their discovery.

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1360. BERDENNIKOV, V. P. O soprotivleniiu ledianogo pokrova pri viazkom dreife. (Problemy Arktiki, 1940, no. 12, p. 28-41, diagrs.) *Title tr.*: On the resistance of ice cover in drift.

Discussion of viscous-tenacious prop-

erties of ice with relation to the deformation of ice cover in drifts.

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1361. **BEREGOVAIA, N. A.** Drevneishie kul'tury Aliaski i vopros o zasedlenii Ameriki (po issledovaniyam 1934-1945 gg.) (Sovetskaiia etnografiia, 1948, no. 4, p. 204-219, illus., sketch map) *Title tr.:* The ancient cultures of Alaska and the question of when America became inhabited (according to the explorations of 1934-1945).

Discussion of archeological finds and fossil mammals in western North America, as published in English. Folsom, Unfluted Folsom, and Yuma points of Alaska and the Yukon compared to similar finds in the Southwest of the U.S.A., indicating early man's migration from Asia over the ice of a narrower Bering Strait. Bibliographical footnotes (about 40 items).

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1362. **BEREGOVAIA, N. A.** Iz drevneishei istorii Arktiki (raskopki v Ipiutake). (Letopis' Severa, 1949, no. 1, p. 300-308, illus.) *Title tr.:* From ancient history of the Arctic (excavations at Ipiutak).

Review article, discussing ancient Eskimo culture, based on published results of the archeological work of F. Rainey, Ch. Larsen, H. B. Collins, Jr., and others in Alaska. A. Okladnikov in the lower Lena River region in 1942-43, and S. Rudenko on Chukotka in 1945. Bibliographical footnotes.

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1363. **BERENSHTAM, VLADIMIR VIL'IAMOVICH, 1870-** Okolo politicheskikh. Iz putevykh vpechatlenii poezdki v "giblyia mesta"-Iakutskuiu oblast'. St. Petersburg, Izd. S. V. Bunina, 1908. ix, 289 p., plates. *Title tr.:* Among the political exiles. Traveler's impressions from the "bad lands" of Yakutsk region.

Contains random notes on a trip to the city of Yakutsk in 1904, and includes a few references to the customs of the Yakuts.

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1364. **BERESFORD, H. G.** Problem arising out of the surveys of mineral claims in the North West Territories. (Canadian surveyor, Apr. 1933. v. 4, no. 8, p. 3-9, diagr.)

Paper read before the annual convention of Dominion Land Surveyors, Feb.

1933, on the difficulties encountered by a surveyor operating under the quartz mining regulations of April 1929, in the Great Bear Lake region; with author's recommendations for changes. Includes some discussion by the meeting.

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1365. **BEREZANTSEV, V. G.** O prochnosti merzlykh gruntov pod fundamentami sooruzhenii. (Merzlotovedenie, 1947. T. 2, no. 1, p. 48-54) *Title tr.:* Stability of frozen ground under foundations of buildings.

Contains data on the effect of pressure on various types of frozen ground and resulting deformations; diagrams, theoretical analysis and mathematical formulas showing the limit of carrying capacity, resistance to pressure, conditions of plastic deformation, and permissible load.

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BEREZHNOI, merchant, see Val'skaia, B. A. Putevoi zhurnal kolymского kuptsa Berezhnogo. 1948.

BEREZHNYKH, IL'IA AVTONOMOVICH, d. 1839, see Sk., Al. Opis' beregov Siver'nago okeana. 1847.

1366. **BEREZINA, N. A.** Otrjad Leptolina. (In: Gaevskaia-Sokolova, N. S., and others. Opredelitel' fauny i flory, 1938. p. 47-65, illus., plates 14-17) *Title tr.:* Order Leptolina.

Contains data on morphology and biology of hydrozoan polyps, and keys to the genera and species of order Leptolina (Coelenterata) native to northern seas of the U.S.S.R.

Copy seen: DLC; MH-Z.

1367. **BEREZKIN, N. M.** Put' iz der-evni Ol'skoi, Okhotskoi okrugii, Primorskoi oblasti, v miestechko Seimchan na r. Kolymie i ot posledniaga v gor. Iakutsk cherez Oimyakono-Borogonskii nasleg, Baiagantaiskago ulusa, Iakutskago okruga. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1915. T. 51, p. 213-36, fold, sketch map) *Title tr.:* The route from Ola village in the Okhotsk District of the Maritime Province, to Seimchan settlement on the Kolyma River, and from the latter to the town of Yakutsk by way of Oymyakono-Borogonskiy settlement in the Bayagantayskiy Region of the Yakutsk District.

Physical description of the territory through which the route passes (from Ola on the Okhotsk seacoast, 59°30'N.

152°E., via Seymchan, 63°N. 153°E. on the Kolyma, to Yakutsk 62°N. 130°E. on the Lena River).

Map of the Ola-Kolyma route. Scale about 1:2,000,000. *Copy seen:* DLC.

1368. BEREZKIN, VL. A. Aktinometricheskie nablūdeniia v raione o-va Vrangeliā v avguste 1929 g. (Vsesoiūznoe geograficheskoe obshchestvo. Meteorologicheskii vestnik, 1929. No. 9-12, p. 233-45, illus., tables, diagrs.) *Title tr.:* Actinometric observations in the region of Vrangelya Island in August 1929.

Solar heat intensity measurements and cloud observations taken on board the *Fedor Litke* in the vicinity of Vrangelya Island during the period Aug. 13-27, 1929. *Copy seen:* DWB.

1369. BEREZKIN, VL. A. Gidrologicheskii rezhim proliva Matochkin Shar po issledovaniūm leta 1924 g. (Zhurnal geofiziki i meteorologii, 1925. T. 2, no. 3-4, p. 253-74, illus., map, diagrs.) *Title tr.:* Hydrological régime of Matochkin Shar Strait according to explorations in summer 1924.

Temperature, salinity, and tide observations were made by the Northern Hydrographic Expedition, during the summer of 1924 and the results are analyzed in this work.

Summary in English.

Copy seen: DLC.

1370. BEREZKIN, VL. A. Meteorologicheskies nablūdeniia. (In: Taīmyrskaiā gidrograficheskaiā ēkspeditšiā, 1932. Trudy, 1935. Ch. 2, p. 217-47, incl. tables) *Title tr.:* Meteorological observations. (Taīmyr Hydrographic Expedition, 1932)

Contains the results of meteorological, state of sea, ice and surface water temperature observations made on board the survey ship *Taīmyr* in Kara Sea, Aug. 2-Oct. 12, 1932.

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1371. BEREZKIN, VL. A. Pokhod ledokola "Fedor Litke" k o. Vrangeliā. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1929. T. 58, p. 71-72) *Title tr.:* The voyage of the ice-breaker *Fedor Litke* to Vrangelya Island.

A short account of the voyage from Vladivostok to Vrangelya Island, July-Aug. 1929, to relieve personnel there.

Copy seen: DLC.

1372. BEREZKIN, VL. A. Vidimost' v more Laptevykh. (Problemy Arktiki, 1939, no. 2, p. 38-45, maps) *Title tr.:* Visibility in Laptev Sea.

Difficulties of standardizing visibility observations in the Arctic are discussed. Theoretical relationships between the clarity of specified objects at predetermined distances and their backgrounds as well as haze in the atmosphere are formulated. Mean monthly visibility (at 1300 hours) charts are drawn up for the Laptev Sea area.

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1373. BEREZKIN, VL. A. Vliānie priliva na gidrologicheskii rezhim gorla Belogo moriā. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1929. T. 56, p. 81-114, diagrs.) *Title tr.:* The influence of tides on the hydrological conditions in the entrance of the White Sea.

Results of observations made by the Northern Hydrographical Expedition, 1925-1926: data on temperature and salinity, showing fluctuation caused by tidal currents within the White Sea entrance.

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1374. BEREZKIN, VSEVOLOD, A. Gidrologicheskies raboty v vysokoshirotnoi ēkspeditšiī Glavnogo upravleniā Severnogo morskogo puti na l/p "Sadko" v 1935 g. (Po predvaritel'nyim dannym) (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1936, no. 2, p. 52-75, 3 illus., 2 charts (1 fold.) diagrs.) *Title tr.:* Hydrological works of the expedition in the high latitudes on the ice-breaker *Sadko*, in 1935, sent out by the Head Office of the Northern Sea Route Administration. (Preliminary data)

Contains description of the type of work done, the position of hydrographic stations (with chart) in the Greenland, Barents and Kara Seas; and discussion (in brief) of temperature-salinity relationships at various depths (with diagrams), surface currents of Greenland Sea, transparency, weather and ice.

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1375. BEREZKIN, VSEVOLOD, A. Grenlandskoe more i Poliārnii basseīn. (In: Vysokoshirotnaiā ēkspeditšiā na "Sadko", v 1935 g. Trudy, 1939. T. 1, vyp. 1, p. 11-184, illus., maps, tables, diagrs.) *Title tr.:* The Greenland Sea and the polar basin.

A detailed study based on the *Sadko* Expedition, 1935, and on previous work, containing general oceanographic description of the region, data on waves, currents, tides, color and transparency. Bibliography, p. 182-84.

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1376. BEREZKIN, VSEVOLOD A. Nablūdeniā nad ėlementami voln. (Leningrad. Vsesoiūznyi arkticheskiĭ institut. Trudy, 1935. T. 29, p. 47-52, illus., diagrs.) *Title tr.:* Observations on waves.

Observations conducted during the ice-breaker *Litke's* voyage from Vladivostok to Murmansk, 1934.

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1377. BEREZKIN, VSEVOLOD A. Prilivy, techeniā i volny Karskogo moriā. (In: *Taĭmyrskaiā gidrograficheskaiā ėkspeditšiā*, 1932. Trudy, 1935. Ch. 2, p. 83-172, illus., tables, diagrs., sketch charts, fold. chart) *Title tr.:* Tides, currents and waves of Kara Sea. (*Taĭmyr Hydrographic Expedition*)

Contains detailed discussion (and data) of tides in the northern part of Kara Sea (Novaya Zemlya-Vize Island-Severnaya Zemlya) and in Shokalskiy Strait (Severnaya Zemlya); cotidal diagrams, tidal and residual currents, waves (with data) and oceanographic tables for thirty-nine deep-sea stations, extending from the mouth of Yenisey River to north Novaya Zemlya, thence to Severnaya Zemlya, and in Shokalskiy Strait.

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1378. BEREZKIN, VSEVOLOD A. Teleniā Barentsova moriā. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1930. T. 62, p. 33-56, maps, diagrs.) *Title tr.:* The currents of Barents Sea.

A study of the Barents Sea currents based on observations of various expeditions.

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1379. BEREZOVSKII, A. Zemle-vodo-ostroĭstvo sibirskogo Severa. (Sovetskii Sever, 1930, no. 2, p. 50-73) *Title tr.:* Organization for land and water exploitation in northern Siberia.

Discussion of methods of dividing the area into districts for development of land and water resources, based on experience in the Naryn and Turukhansk districts.

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1380. BERG, ĖMILII ĬL'EVICH, 1862-. Naĭboleĕ vydaŭshchiesiā su-

tochnye maksimumy osadkov za 30-letniĭ period 1886-1915 g.g. i ikh geograficheskoe raspredelenie na territorii Ėvropeĭskoi chasti SSSR. (Zhurnal geofiziki i meteorologii, 1925. T. 2, no. 3-4, p. 295-308, diagr.) *Title tr.:* The most notable diurnal maximums of precipitation for the period of 30 years 1886 to 1915, and its geographical distribution in the European part of U.S.S.R.

A recapitulation of the twenty-four-hour maximum precipitation amounts for the European part of the Soviet Union, including data for five stations above the Arctic Circle, and several others north of 64°N.

Summary in English.

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1381. BERG, LEV SEMENOVICH, 1876-1951. Dostizheniā sovet-skoi geografii (1917-1947). Leningrad, Lenizdat, 1948. 48 p. *Title tr.:* Achievements of Soviet geography (1917-1947).

Includes arctic exploration, advances made in study of permanently frozen soil, glaciology, meteorology.

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1382. BERG, LEV SEMENOVICH, 1876-1951. Ėkspeditšiā Beringa. (Vsesoiūznoe geograficheskoe obshchestvo. Izvestiā, 1942. T. 74, p. 5-15) *Title tr.:* Bering's Expedition.

An account of the two expeditions led by Bering, written for the two-hundredth anniversary of his death, Dec. 19, 1741.

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1383. BERG, LEV SEMENOVICH, 1876-1951. The fishes of the Khatanga River Basin in North Siberia. Leningrad, 1926. 2 p. l., 22 p., 2 plates. (Akademiā nauk SSSR. Komissiā po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, vyp. 2, 1926. *Russian title supplied:* Ryby basseĭna Khatangi.)

Descriptions of about twenty species (including two new) taken from Khatanga River basin; and a list of forty-one species of fish inhabiting the fresh waters of the Yakut A.S.S.R. Bibliography, p. 19-22.

Summary in Russian.

Copy seen: DLC

1384. BERG, LEV SEMENOVICH, 1876-1951. Geograficheskie zony Sovetskogo Soŭza. Izd. 3. Moskva, Ogiz. Geografiz., 1947. 397 p., illus., maps. *Title*

tr.: Geographical zones of the Soviet Union, 3d ed.

First published under the title: Landshaftno-geograficheskie zony SSSR., cf. Kn. let. 1931. No. 840. French translation was published as: *Les régions naturelles de l'URSS*. English translation was published as *Natural regions of the U.S.S.R.*, 1950.

Basic work on the zonation of the U.S.S.R. as a whole, its lowland and mountain regions. The lowland areas, treated in seven climatic zones (by latitude) of similar floral and faunal characteristics, include the tundras of the North. The mountainous areas treated include the Verkhoyanskiy, Cherskiy and Gydan ranges of north-eastern Siberia, mountains of Chukotsk National District, Kamchatka, and of the Arctic (Franz Josef Land, Novaya Zemlya, Severnaya Zemlya).

Contents tr.: Introduction: geographical landscapes; succession of landscapes.

1. Tundra zone: climate, vegetation, relief, fauna, origin of tundra landscape.

2. Forest zone: A. Taiga subzone: climate, relief, subsoils, soil, vegetation, fauna. B. Mixed forest zone: climate, relief, subsoils, soils, vegetation, fauna.

3. Broad-leaved forests of the Far East (Priamur'e): relief and water supply, climate, soils, vegetation, fauna.

4. Forest-steppe: determination and borders, climate, relief, soils, vegetation, fauna.

Each section has bibliography.

Copy seen: DLC; MH.

1385. BERG, LEV SEMENOVICH, 1876-1951. Istoriia geograficheskogo oznakomleniia s ikutskim kraem. (*In:* ikutiia, 1927, p. 1-38, illus., ports., maps (part fold.)) *Title tr.:* The history of geographic exploration of the Yakut area.

A historical outline of Russian voyages, expeditions and explorations of Yakutia from the beginning of the 17th century, with several historical maps and a bibliography at end.

Copy seen: DLC.

1386. BERG, LEV SEMENOVICH, 1876-1951. Klimat i zhizn'. Moskva. Ogiz. Gosud. izd-vo geogr. liter., 1947. 356 p. text map, fold. map. *Title tr.:* Climate and life. First published in 1922.

Contents tr. include: 1. Climatic changes in recent times; the warmer conditions, p. 5-18.

3. The level of the Caspian Sea and navigation conditions in the Arctic, p. 90-95.

7. On amphiboreal distribution of marine fauna in the northern hemisphere, p. 116-27.

8. Bi-polar distribution of organisms and the glacial epoch, p. 128-55.

10. Climates of the geological past, p. 308-324.

Bibliographies at the end of chapters and in footnotes. Indexes of (1) Latin names of animals and plants, (2) authors, (3) subjects and geographical names, p. 335-52. *Copy seen:* DLC.

1387. BERG, LEV SEMENOVICH, 1876-1951. Klimat SSSR. (Akademiia nauk SSSR. Botanicheskii institut. Ras-titel'nost' SSSR., 1938. T. 1, p. 39-66, text maps) *Title tr.:* Climate of the U.S.S.R.

Contains a study of the climate of the U.S.S.R., arranged by the zones of vegetation such as: tundra, taiga, zones of mixed forest etc. The climate of the mountainous regions is considered for each separate mountain system, including Kamchatka and Ural.

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1388. BERG, LEV SEMENOVICH, 1876-1951. Materialy po biologii semgl. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut ozerogo i rechnogo rybnogo khoziaistva. Izvestiia, 1935. T. 20, p. 3-113, illus., tables) *Title tr.:* Contributions to the biology of salmon.

A detailed study made for the Leningrad Institute of Lake and River Fisheries, containing statistics of salmon catch on Kola Peninsula, Barents and White Seas; biological descriptions of several varieties, the life periods spent in rivers and in the ocean, rates of growth in river and sea, and data on migrations. Bibliography, p. 109-113.

Copy seen: DLC.

1389. BERG, LEV SEMENOVICH, 1876-1951. Natural regions of the U.S.S.R. Translated from the Russian by Olga Adler Titelbaum. New York, MacMillan Co., 1950. xxxi, 436 p. illus., text maps, plates.

An English translation of L. S. Berg's *Geograficheskie zony SSSR*, 1947, q.v. edited by John A. Morrison and C. C. Nikiforov, under the Russian Transla-

tion Project of the American Council of Learned Societies. It includes in addition to Russian text: a preface by J. A. Morrison, p. vii-xv; translator's foreword, p. xii-xxi; translator's bibliography, p. xxiii-xxiv.

Copy seen: MH-A.

1390. BERG, LEV SEMENOVICH, 1876-1951. O chukotskom gol'tse (*Salvelinus andriashevi* Berg nov. sp.). (Akademiia nauk SSSR. Doklady, Novaiia seriia, 1948. T. 59, no. 8, p. 1495-96) *Title tr.:* On a Chukotsk loach (*Salvelinus andriashevi* Berg, n. sp.).

Description of a new fresh-water species of this fish from a lake on Chukotsk Peninsula. *Copy seen:* DLC.

1391. BERG, LEV SEMENOVICH, 1876-1951. O drevnem rasselenii eniseiskikh samoedov ili entsev. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1945. T. 77, vyp. 5, p. 257-60) *Title tr.:* On the early distribution of the Yenisey Samoyeds or the Yentsy.

Remarks on the distribution, expansion, or migration of Samoyeds based on historical data, to suggest that Yenisey Samoyeds now dwelling in the Yenisey-Pyasina region were found in the 16th century as far west as the Ob River, and in the 11th century even west of the Urals. *Copy seen:* DLC.

1392. BERG, LEV SEMENOVICH, 1876-1951. O nakhozhdenii *Phoxinus lagowskii* Dyb. (Pisces) v. basseine Leny. (Akademiia nauk SSSR. Komissii po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1926. Vyp. 3, p. 11-12) *Title tr.:* On the finding of *Phoxinus lagowskii* Dyb. (Pisces) in the Lena River Basin.

Short description of a species of minnow found in the basin of Lena River.

Copy seen: DLC.

1393. BERG, LEV SEMENOVICH, 1876-1951. O nakhozhdenii predstavitelia roda *Oncorhynchus* v reke Lene. Leningrad, 1927. 2 p. 1., 4 p. (Akademiia nauk SSSR. Komissii po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1927. Vyp. 21) *Title tr.:* On the occurrence of a representative of the genus *Oncorhynchus* in the Lena River.

Description of a species of salmon, peculiar to northern parts of the Pacific, caught in the Lena River.

Translation in English follows the Russian text. *Copy seen:* DLC.

1394. BERG, LEV SEMENOVICH, 1876-1951. O prichinakh skhodstva fauny sivernykh chastei Atlanticheskago i Tikhago okeanov. (Akademiia nauk SSSR. Bulletin, nov., 1918. Ser. 6, v. 12, p. 1835-42) *Title tr.:* Reasons for the similarity of the fauna of the northern parts of the Atlantic and Pacific Oceans.

Author cites examples of fishes and molluscs now common in the Bering and Greenland Seas, but absent in all or many of the arctic seas north of the U.S.S.R., and explains the phenomenon by changes in climate and the closing of Bering Strait during the Pliocene period. *Copy seen:* DLC.

1395. BERG, LEV SEMENOVICH, 1876-1951. Ocherki po fizicheskoi geografii. Moskva-Leningrad. Izd-vo Akad. nauk, 1949. 339 p. illus., maps. (Akademiia nauk SSSR. Seriiia "Itogi i problemy sovremennoi nauki") *Title tr.:* Sketches of physical geography.

Contents tr. include (p. 35-50): On supposed connection between great glaciations and mountain formation. (Data on ice ages, extent of glaciations in European and Asiatic Russia, their causes and connection with mountain formation and climatic changes).

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1396. BERG, LEV SEMENOVICH, 1876-1951. Ocherki po istorii russkikh geograficheskikh otkryti. Moskva, Leningrad. Izd-vo Akademii nauk SSSR, 1946. 358 p. illus., ports., maps. *Title tr.:* Sketches on the history of Russian geographical discoveries. Published by the Academy of Sciences, U.S.S.R. in its popular scientific series.

Contents include chapters concerning arctic regions; Lomonosov and the first Russian expedition in search of a Northeast Passage, p. 9-48. First Russian information on America, p. 61-67. The earliest data on northernmost Siberia (until the 18th century), p. 68-82. Russian discoveries in the Pacific Ocean, p. 83-113. Travels of V. L. Komarov in Kamchatka, p. 143-53, including a general sketch of the vegetation of that region. V. V. Dakuchaev and study of geographical zones, p. 249-57. Geography and the Academy of Sciences U.S.S.R., p. 319-52, includ-

ing historical data on scientific expeditions sponsored by the Academy from 1775 to date. Bibliographies at end of some chapters.

Map indicates routes of Russian expeditions in the Pacific Ocean.

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1397. BERG, LEV SEMENOVICH, 1876-1951. On the origin of the Aleuts. (Pacific Science Congress, 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934. v. 4, p. 2773-75, illus.)

Discusses the question of whether the Aleuts came to the Aleutian Islands originally from Asia or from the American mainland. Emphasizes the use among the Aleuts of the feathered ceremonial staff, which the author equates with the calumet of the American Indians.

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1398. BERG, LEV SEMENOVICH, 1876-1951. Otkrytie Kamchatki i ekspeditsii Beringa, 1725-1742. Leningrad, Izd-vo Glavsevmorputi, 1935. 411 p. 60 illus., incl. plates and maps (part fold.) (Poliarnaya biblioteka) *Title tr.:* The discovery of Kamchatka and the Bering expeditions, 1725-1742.

Second edition of *Otkrytie Kamchatki i Kamchatskie ekspeditsii Beringa*, q.v., with text rearranged and "considerably enlarged with data on the history of exploration of the shores of Bering Strait" (p. 4); enlarged bibliography, new illustrations and maps, including Z. E. Cherniakov's ethnological map of Northern Siberia (1934).

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1399. BERG, LEV SEMENOVICH, 1876-1951. Otkrytie Kamchatki i ekspeditsii Beringa, 1725-1742. Moskva, Izd-vo Akademii nauk SSSR, 1946. 379 p. 44 illus., incl. 17 maps (10 fold.) *Title tr.:* The discovery of Kamchatka and the Bering expeditions, 1725-1742. Third edition.

Text of second edition (1935), q.v., with some additions, but without "Leibnitz and the question of Bering Strait" (p. 57-60 of 2nd ed.), and with some change of illustrations and maps.

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1400. BERG, LEV SEMENOVICH, 1876-1951. Otkrytie Kamchatki i kamchatskie ekspeditsii Beringa. Petrograd, Gos. izd-vo, 1924. 246, [2] p. 26 illus. incl. 5 maps (4 fold.) (Biblioteka pu-

teshestvii, 4) *Title tr.:* The discovery of Kamchatka and the Kamchatka expeditions of Bering.

Account of the expeditions of Bering (1725-42), examined from the point of view of scientific results achieved, in the light of more recent information. Bering's first voyage from Okhotsk to Bering Strait; his subsequent voyage (based on Kamchatka), in Bering Sea and Alaskan waters, landings in Alaska, wintering on Bering Island; the related voyage of Chirikov; and the work of other sections of the expedition sent to map the shores from the White Sea to Kamchatka. Brief biographical sketches of the principal participants. Chapters on early voyages to Kamchatka, Kuriles Islands, and Japan.

Critical bibliography of results as published or utilized by others, and a list of works about the expeditions (p. 227-34).

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1401. BERG, LEV SEMENOVICH, 1876-1951. Pervye karty Kamchatki. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1943. T. 75, vyp. 4, p. 3-7, fold. maps) *Title tr.:* The first maps of Kamchatka.

A description of seven early maps (1667-1730) of Kamchatka Peninsula.

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1402. BERG, LEV SEMENOVICH, 1876-1951, and others, editors. Promyslovye ryby SSSR. Opisanie ryb (tekst k atlasu tsvetnykh risunkov ryb). Moskva, Pishchepromizdat, 1949. 787 p. illus., col. plates.

- - Atlas tsvetnykh risunkov ryb. Moskva, Pishchepromizdat, 1949. ix p. 230 col. plates. (Vsesoiuznyi nauchnoissledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii (VNIRO) *Title tr.:* Industrial fishes of the U.S.S.R. Description of fishes (text to an atlas of colored plates of fishes).

Contains in text, description of families and two hundred thirty species of marine and fresh-water commercial fishes of the U.S.S.R., with Russian, Latin and foreign names, characteristics, related forms, geographic distribution in the U.S.S.R. and other countries; data on biology (breeding, feed, development, growth, migration, enemies) and economic importance; bibliography (56 items); glossary of ichthyological terms, p. 743-53; and

indices of Russian, Latin and foreign names. Includes many arctic species. Colored plates (30 cm. x 42 cm.) form a separate volume. Edited by L. S. Berg, A. S. Bogdanov, N. I. Kozhin and T. S. Rass and assisted by 44 other specialists. Illustrations by N. N. Kondakov and 10 other artists.

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1403. BERG, LEV SEMENOVICH, 1876-1951. Puteshestviâ akademika S. P. Krasheninnikova po Kamchatke (1737-1741). (Priroda, 1948, no. 5, p. 53-60) *Title tr.:* The journeys of academician S. P. Krasheninnikov on Kamchatka (1737-1741).

Account of travels of the first scientific explorer of Kamchatka, based on his own book, *Opisanie zemli Kamchatki*, 1755, q.v.

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1404. BERG, LEV SEMENOVICH, 1876-1951. Les régions naturelles de l'U.R.S.S. Traduction française par G. Welter. Paris, Payot, 1941. 382 p. maps. *Title tr.:* Natural regions of the U.S.S.R.

Translation of *Geograficheskie zony Sovetskogo Soûza*, q.v.

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1405. BERG, LEV SEMENOVICH, 1876-1951. Rel'ef Sibiri i Srednei Azii. (Akademiâ nauk SSSR. Botanicheskii institut. Rastitel'nost' SSSR. 1938. T. 1, p. 97-105) *Title tr.:* Relief of Siberia and Central Asia.

Contains data on various geomorphological regions (lowlands, plateaus, folded mountains etc.) of the Asiatic part of the U.S.S.R. including the Arctic.

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1406. BERG, LEV SEMENOVICH, 1876-1951. Uroven' Kaspiiskogo moriâ i usloviâ plavaniâ v Arktike. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiâ, 1943. T. 75, vyp. 4, p. 16-20) *Title tr.:* Caspian Sea level and conditions of navigation in the Arctic.

A report read on March 26, 1941, at a joint session of the Department of Geography of Leningrad University, the Geographic-Economic Research Institute and the All-Union Geographic Society, discussing an interdependence between the ice conditions in the arctic seas and the level of the Caspian Sea.

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1407. BERG, LEV SEMENOVICH, 1876-1951. Vsesoiûznoe geograficheskoe

obshchestvo za sto let. Moskva, Leningrad, Izd-vo Akademii nauk SSSR, 1946. 264 p., illus., ports. *Title tr.:* The All-Union Geographical Society for a hundred years.

Activities of the Society since its foundation in 1845, with a section on its arctic work. *Copy seen:* CaO; DLC.

1408. BERG, LEV SEMENOVICH, 1876-1951. Zona tundry. Opyt landshaftnoi kharakteristiki. Leningrad, 1928. (Leningrad. Universitet. Izvestiâ, 1928. T. 1, p. 191-233) *Title tr.:* Tundra zone. An essay on landscape characteristics.

Contains description of tundras of the U.S.S.R. with data on their vegetation, fauna, soils, climate and population. Bibliography arranged by regions, p. 229-33.

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BERG, LEV SEMENOVICH, 1876-1951, see also Jochelson, V. I. History, ethnology & anthropology of Aleut. 1933.

BERG, LEV SEMENOVICH, 1876-1951, see also Krasheninnikov, S. P. *Opisanie zemli Kamchatki*. 1949.

1409. BERGAVINOV, S. A. Flag Sovetov nad poliûsom. (Sovetskaiâ Arktika, 1937, no. 6, p. 28-39, illus.) *Title tr.:* The flag of the Soviets on the North Pole.

Account of the flight to the North Pole of five airplanes, led by O. fu. Schmidt in 1937. Map shows the route of the expedition.

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1410. BERGEN, HANS von. Jagdfahrten in Kanada und Alaska. Neudamm, J. Neumann, 1928. 264 p. 40 plates, 3 maps (1 fold.) *Title tr.:* Hunting trips in Canada and Alaska.

From notes made during nine trips in the north country, 1905-13, including bear hunting in 1912, on the tip of the Alaska Peninsula, and big game hunting in the White River country of Alaska and the Yukon.

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1411. BERGEN, WERNER von. Muskox wool and its possibilities as a new textile fiber. (Melliand textile monthly, Sept. 1931-Jan. 1932. v. 3, p. 472-74, 553-56, 646-48, 743-45, 844-46.

Contains note on occurrence and population of musk oxen, and detailed analysis of physical properties and

workability of the hair coat; with a bibliography (14 items).

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1412. BERGENDAL, DAVID, 1855-1908. Beiträge zur Fauna Grönlands. Ergebnisse einer im Jahre 1890 in Grönland vorgenommenen Forschungsreise. I. Zur Rotatorienfauna Grönlands. Lund, 1892. 180 p. 6 plates. (Lund. Universitet. Acta, 1891-92) *Title tr.:* Contribution to the fauna of Greenland. Results of an exploration trip to Greenland in 1890. 1. The Rotatorian fauna of Greenland.

Based on investigations of the freshwater fauna of Holsteinsborg, Egedesminde, Jakobshavn and Ritenbenk. Notes on the environs of these localities, a systematic list, with synonyms and notes, of eighty-two rotifer species (including with descriptions twenty-six new); a discussion of the male forms and winter eggs of the group, a comparison with other faunal regions, and a bibliography (102 items).

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1413. BERGENDAL, DAVID, 1855-1908. Kurzer Bericht über eine im Sommer d. J. 1890 unternommene zoologische Reise nach Nord-Grönland. Stockholm, P. A. Norstedt, 1891. 20 p. (Svenska vetenskapsakademien. Handlingar. Bihang, 1891, bd. 17, afd. 4, no. 1) *Title tr.:* Brief report on a zoological trip to North Greenland during the summer of 1890.

Brief account of the journey, undertaken for the Danish Commission for Directing the Geological and Geographical Explorations in Greenland, and remarks on the investigation of sea and land animals from West Greenland.

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1414. BERGERSEN, BIRGER, 1891-. Beiträge zur Kenntnis der Haut einiger Pinnipeden, unter besonderer Berücksichtigung der Haut der *Phoca groenlandica*. Oslo, Jacob Dybwad, 1931. 179 p. illus. (Norske videnskapsakademi. Skrifter. Matematisk-naturvidenskapelige klasse, 1931, no. 5) *Title tr.:* Contributions to the knowledge of the skin of some pinnipeds, with special regard to the skin of *Phoca groenlandica*.

Discussion (based in part on biological investigations made by Russian and Norwegian scientists in the Barents

Sea) of the structural characteristics of the skin and hair of seals. Bibliography (about 150 items).

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1415. BERGGRAV, EIVIND JOSEF, Bishop of Tromsø, 1884-. Polarmentalitet. (Polar-årboken, 1936, p. 17-22) *Title tr.:* The mentality of the Arctic.

Observations from a visit in West Spitsbergen, by the bishop of Tromsø, northern Norway.

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1416. BERGGREN, SVEN, 1837-1917. Alger från Grönlands inlandis. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1871. Årg. 28, no. 2, p. 293-96, plate) *Title tr.:* Algae from the inland ice of Greenland.

Description of specimens of algae found in the ice on Nordenskiöld's journey on the inland ice east of Egedesminde during the Swedish Expedition to Greenland, 1870.

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1417. BERGGREN, SVEN, 1837-1917. Bidrag till kännedom om fanerogamfloran vid Diskobugten och Auleitsvikfjorden på Grönlands västkust. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1871, pub. 1872. Årg. 28, no. 7, p. 853-97) *Title tr.:* Contributions to the knowledge of the phanerogamic flora at Disko Bay and Auleitsvik Fiord on the west coast of Greenland.

Journal of the botanical trips of the Swedish Expedition to Greenland, 1870, and description of West Greenland vegetation.

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1418. BERGGREN, SVEN, 1837-1917. Förteckning öfver kärlväxter och mossor från Grönlands-expeditionen, 1870. (In: Nordenskiöld, N. A. E. Redogörelse för en expedition till Grönland år 1870. Bilaga 1. Pub. in: Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1870. Årg. 27, no. 10, p. 1075-79) *Title tr.:* List of vascular plants and mosses from the Greenland Expedition, 1870.

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1419. BERGGREN, SVEN, 1837-1917. Musci et Hepaticae spetsbergenses. Bericht über die Untersuchung der Moosflora Spitzbergens und Beereneilands während der schwedischen Expeditionen 1864 und 1868, und Verzeichniss

der dort gesammelten Arten. Stockholm, P. A. Norstedt & Söner, 1875. 103 p. (Svenska vetenskapsakademien. Handlingar. Ny följd, Bd. 13, no. 7) *Title tr.*: Musci and Hepaticae of Spitsbergen. Report on the investigation of the mosses of Spitsbergen and Bear Island during the Swedish expeditions of 1864 and 1868, and a list of the species collected.

List, with some descriptions, and discussion of distribution, of one hundred eighty-seven mosses and thirty-nine liverworts, with special mention of those collected at Parry's Island, Nordkap (Northeast Land), Castrens Island, Brandywine Bay (Northeast Land), Kobbe Bay (Danish Island) and Smeerenberg Bay (Amsterdam Island).

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1420. BERGGREN, SVEN, 1837-1917. Undersökning af mossfloran vid Disko-Bugten och Auleitsvikfjorden i Grönland. Stockholm, P. A. Norstedt & Söner, 1875. 46 p. (Svenska vetenskapsakademien. Handlingar. Ny följd, Bd. 13, no. 8) *Title tr.*: Research on the mosses between Disko Bay and Auleitsvikfjord, in Greenland.

List, with locations, of two hundred forty-four species collected by Swedish Expedition to Greenland, 1870, with a discussion of the region between 68°15'-70°N. along the west coast.

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BERGGREN, SVEN, 1837-1917, see also Agardh, J. G. Alger, insamlade på Grönland 1870. 1870.

BERGGREN, SVEN, 1837-1917, see also Nordstedt, C. F. O. Desmidieer samlade af Sv. Berggren Grönland, 1870. 1885.

BERGGREN, SVEN, 1837-1917, see also Nordstedt, C. F. O., & S. Berggren. Alger, insamlade på Grönlands inlandsis. 1871.

1421. BERGGREN, WILLARD PAUL, 1912- . Prediction of temperature-distribution in frozen soils. (American Geophysical Union. Transactions, 1943. v. 24, pt. 3, p. 71-77)

Theoretical analysis of an idealized system of temperature-distribution in frozen soil, solution of examples and specific adaptations of the analysis, with brief discussion (by others), and a bibliography (13 items).

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1422. BERGH, RUDOLPH, 1824-1909. Goplepolyper (hydroider) fra Kara-havet. (In: Lütken, C. F. Dijnphnatogetets zoologisk-botaniske udbytte, 1887, p. 329-37, plate 28) *Title tr.*: Hydroids from the Kara Sea.

List, with habitat and remarks, of twenty-eight (including with descriptions three new) species.

Brief summary in French, p. 515.

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1423. BERGH, RUDOLPH, 1824-1909. Nudibranchiate Gasteropoda. Copenhagen, B. Luno, 1900. 2 p. l., 49 p. 5 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 2, pt. 3)

Classified and annotated list, with localities, distribution and descriptions, of sixteen (including six new) species of these shell-less molluscs from Davis and Denmark Straits and Greenland Sea.

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1424. BERGH, RUDOLPH, 1824-1909. Die Nudibranchien gesammelt während der Fahrten des "Willem Barents" in das Nördliche Eismeer. Onderzoekings- tochten van de Willem Barents. VIII. [Amsterdam, 1886] 37 p. 3 plates. (Bijdragen tot de dierkunde. Afl. 13, VIII) *Title tr.*: The nudibranchs collected during the voyages of the *Willem Barents* in the Arctic Ocean. Research voyages of the *Willem Barents*. VIII.

Contains descriptions, with synonymy and locations, of seven (including two new) species of shell-less molluscs from Barents Sea.

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1425. BERGH, RUDOLPH, 1824-1909. On the nudibranchiate gasteropod Mollusca of the North Pacific Ocean, with special reference to those of Alaska. Pt. I-II. (Academy of Natural Sciences of Philadelphia. Proceedings, 1879, pub. 1880. p. 71-132, 8 plates; 1880, pub. 1881, p. 40-127)

Includes among others, in a detailed taxonomic study, descriptions of twenty-four species of sea-slugs ranging from Bering Strait to Aleutian and southeastern Alaskan waters.

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BERGIUS, PETRUS JONAS, 1730-1790, see Wittrock, V. B. Om Bergianska herbariet. 1891.

1426. BERGLUND, RAGNAR. En ny Calypso-lokal i Norrbotten. (Svensk botanisk tidskrift, 1919, pub. 1920. Bd.

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13, häfte 3-4, p. 336) *Title tr.*: A new locality for *Calypso* in Norrbotten.

Contains a report on finding of *Calypso bulbosa*, a terrestrial orchid in Råneå parish, in Norrbotten province, northern Sweden, a new locality for this species. *Copy seen*: MH-A.

BERGMAN, G. G., see Vinogradov, A. P., & G. G. Bergman. Soderzhanie ioda v krasnykh vodorosliakh. 1938.

1427. BERGMAN, STEN, 1895- . Kamtchatka; skildringar från en treårig forskningsfärd. Stockholm, A. Bonnier, [c. 1923] 6 p. l., 5-443, [2] p. illus., 2 col. plates, 3 maps (1 fold.) *Title tr.*: Kamchatka; an account of a three-year expedition.

Second edition was published in 1928, (444 p.) with some additional text illus. Also published in German translation as *Vulkane, Bären und Nomaden. Reise und Erlebnisse im wilden Kamtschatka*. Stuttgart, Strecker und Schröder, 1926 (xi, 279 p. illus. plates, fold, map)

Contains a narrative of the Swedish Kamchatka Expedition, 1920-22, a party of five, the author as leader and ethnographer, which traveled extensively by sledge and boat throughout southern Kamchatka, two members making a journey into the northern region of the Koryaks, and three, a ski and sledge trip from Ust-Kamchatsk to Petropavlovsk. The narrative includes chapters on the customs of the Kamchadals and Koryaks, the volcanoes, rivers and mountains, and on Petropavlovsk.

Copy seen: CtY (German translation); MiD (1923); NNS Stef (1923, 1928).

1428. BERGMAN, STEN, 1895- . Observations on the Kamchatkan bear. (Journal of mammalogy, May 1936. v. 17, p. 115-20)

Based on observations of the author during the Swedish Kamchatka Expedition, 1920-22, notes on the abundance, habits, food, and appearance of *Ursus piscator* Pucheran.

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1429. BERGMAN, STEN, 1895- . På hundsläde genom Kamtchatka. Stockholm, A. Bonnier, [1924] 246 p. front. illus. map. Reprinted in 1947 (252 p. map)

English translation was published as: *Through Kamchatka by dog-sled & skis*, 1927. *Title tr.*: Through Kamchatka by dog sled.

Popular account of two trips undertaken by members of the Swedish Expedition to Kamchatka, 1920-22. Includes description of Petropavlovsk and Ust-Kamchatsk and of the country, the native hunting, traveling and camp life (Kamchadals, Lamuts and Koryaks) as observed by the author while traveling from Petropavlovsk around the northern head of the peninsula, and south along the Okhotsk Sea to Bolsheretsk.

Copy seen: DLC (1947); NN (1924).

1430. BERGMAN, STEN, 1895- . Sable hunters of Kamchatka. (Forest and outdoors, Sept. 1935. v. 31, p. 982-84)

Account of Kamchadal hunting and trapping methods. *Copy seen*: DA.

1431. BERGMAN, STEN, 1895- . Through Kamchatka by dog-sled & skis; a vivid description of adventurous journeys amongst the interesting & almost unknown peoples of the most inaccessible parts of this remote Siberian Peninsula. London, Seeley, Service & Co., 1927. 2 p. l., 7-284 p. front., illus. (incl. 2 maps) 15 plates, incl. ports.

Translation of his, *På hundsläde genom Kamtchatka*, 1924, q.v. Also published in Philadelphia by Lippincott, 1927.

Copy seen: DLC; NNS Stef.

1432. BERGMANN, R. Meteorologischeskifā nablūdeniā proizvedennyā baronom E. V. Tolem i leitenantom flota E. I. Shileiko v 1893 godu vo vremiā ēkspeditīi na Novo-Sibirskie ostrova i vdol' beregov Ledovitago okeana. St.-Pētersbourg, 1895. 71 p. incl. 63 p. of tables. (Akademifā nauk SSSR. Mēmoires. Sér. 8, vol. 2, no. 3) *Title tr.*: Meteorological observations conducted by Baron E. V. Toll and Navy Lieutenant E. I. Shileiko in 1893 during the Expedition to the New Siberian Islands and along the coast line of the Arctic Ocean.

Meteorological observations made two to five times daily, Apr.-Dec. 1893, during the Baron von Toll Expedition are tabulated.

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1433. BERGMANN, R. Meteorologische Beobachtungen auf den Neusibi-

rischen Inseln, angestellt von Dr. Alexander Bunge, nach den Originalnotizen bearbeitet von R. Bergmann. (*In*: Akademiā nauk SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition (etc.) 1887. p. 323-61, incl. tables) **Title tr.:** Meteorological observations on the New Siberian Islands made by Dr. Alexander Bunge, worked up from the original notes by R. Bergmann.

Contains notes on instrumentation, and on monthly averages; and tables of daily observations May-Nov. 1886, mostly from Great Lyakhov Island (Ostrov Bol'shoi). **Copy seen:** DLC.

1434. BERGMANN, R. Meteorologische Beobachtungen im Jana-Gebiet, angestellt von Dr. Alexander Bunge, nach den Originalnotizen bearbeitet von R. Bergmann. (*In*: Akademiā nauk SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition (etc.) 1887. p. 183-228, incl. tables) **Title tr.:** Meteorological observations in the Yana region made by Dr. Alexander Bunge, worked up from the original notes by R. Bergmann.

The author, physicist of the Central Observatory, St. Petersburg, discusses the average results and presents daily tables for the period July 1885-Apr. 1886. **Copy seen:** DLC.

1435. BERGMANN, R. Meteorologische Beobachtungen im Jana-Lande und auf den Neusibirischen Inseln angestellt von Baron Eduard Toll, nach den Originalnotizen bearbeitet von R. Bergmann. (*In*: Akademiā nauk SSSR. Die von der Akademie der Wissenschaften ausgerüstete Expedition (etc.) 1887. p. 363-412, incl. tables) **Title tr.:** Meteorological observations in the Yana region and on the New Siberian Islands, made by Baron Eduard Toll, worked up from the original notes by R. Bergmann.

Contains description of instrumentation, and some monthly averages, with daily observations (intermittent) for the Yana region, May-July 1885, for the Yana-Lena region, Sept.-Oct. 1885, for the locality of the mammoth found east of the Yana (about 70°20'N. 139° E.) Mar.-Apr. 1886, and for Kotelnyy Island and surrounding region, May-Nov. 1886. **Copy seen:** DLC.

1436. BERGROTH, E. Om Finlands Ptychopteridae och Dixidae. (Societas

pro fauna et flora fennica. Meddelanden, 1888-1889, pub. 1889. Häfte 15, p. 158-65) **Title tr.:** On Finnish Ptychopteridae and Dixidae.

Contains conspectus of three species of Ptychopteridae and six of Dixidae, and an enumeration of these crane-flies, including *Dixa hyporborea* n. sp., native to Enontekis and Varanger Fiord regions and *D. aquilonaris* n. sp., from Muonionniska (67°55'N. 25°30'E.) northern Finland.

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1437. BERGSTRÖM, CARL AXEL. Alaska och dess nutida produktion; en ekonomisk-geografisk undersökning. (Ymer, 1926. Årg. 46, p. 19-52, illus.) **Title tr.:** Alaska and its present production, an economic-geographical study.

Discussion of the history, geography, industries, communications, foreign trade, employment and administration of Alaska; bibliography, p. 51-52.

Copy seen: DLC.

1438. BERGSTRÖM, ERIK, 1888- . En anteckning om fjällväxter i Torne Lappmarks barrskogsregion. (Svensk botanisk tidskrift, 1910. Bd. 4, häfte 3, p. 218-24, illus.) **Title tr.:** A note on the occurrence of the alpine plants in the region of the coniferous woods of Torne Lappmark.

Contains data on the vertical distribution of the alpine plants in the coniferous wooded regions in the mountains near Torneträsk in Torne Lappmark, based on the author's observations in the summers of 1909 and 1910.

Copy seen: MH-A.

BERGSTRÖM, ERIK, 1888- , see also Fries, T. M., & E. Bergström. Några iakttagelser öfver pälsar. 1910.

1439. BERGSTRÖM, RICHARD, 1828-1893. Spring, min snälla ren! [Stockholm, Kongl. boktryckeriet, P. A. Norstedt & Söner, 1885] 20 p. (Nyare bidrag till kännedom om de svenska landsmålen ock svenskt folkli. v. 5.4) **Title tr.:** Haste, my good reindeer!

Discusses the ethnographic research done in Lappmark by Professor Johan Scheffer of Upsala University, and the publication of his "Lapponia" (in Frankfurt, 1673) containing Lappish folklore, including this poem; notes its aid in dispelling myth of the lack of Lappish culture prevalent in European

academic circles; its appearance in rhymed form in Addison's *Spectator*, 1711. Includes the poem in Swedish, English, German, Norwegian, and in Lappish (Kulnasasj, by J. K. Qvigstad). *Copy seen: NN.*

1440. BÉRIAULT, YVON. Les problèmes politiques du Nord canadien. Le Canada et le Groenland. A qui appartient l'archipel arctique? (Thèse de doctorat) Montréal, B. Valiquette; Ottawa, Université d'Ottawa [1942] 3 p. l., 9-201 p. 3 l. fold. map. [Les publications séries de l'Université d'Ottawa. XV]

A discussion on sovereignty: the sector theory, the occupation theory, the Canadian Arctic Islands and foreign powers in that region; Greenland in the international situation (of 1939-41), and in relations with Canada.

Copy seen: DLC.

BERING, VITUS JONASSEN, 1680-1741, *see* Dall, W. H. Critical review of Bering's first expd. 1725-30. 1890.

BERING, VITUS JONASSEN, 1680-1741, *see* Pokrovskii, A. A. Ekspeditsiia Beringa; sbornik dokumentov. 1941.

BERKELEY, CYRIL, *see* Berkeley, E., & C. Berkeley. North Pacific Polychaeta, Alaska & Bering Sea. 1942.

BERKELEY, CYRIL, *see* Berkeley, E., & C. Berkeley. Polychaeta from western Canadian arctic region. 1944.

1441. BERKELEY, EDITH and C. BERKELEY. North Pacific Polychaeta, chiefly from the west coast of Vancouver Island, Alaska, and Bering Sea. (Canadian journal of research, 1942. v. 20, sec. D, p. 183-208, illus.)

List, with localities, of one hundred seventy-five species, of which about forty-six occur in the Gulf of Alaska, Aleutian waters, Bering Sea, and Chukchi Sea. *Copy seen: DLC.*

1442. BERKELEY, EDITH, and C. BERKELEY. Polychaeta from the western Canadian arctic region. (Canadian journal of research, Feb. 1944. v. 22, sec. D, p. 1-5, illus.)

Based on collections made during the cruise of the *St. Roch* 1936-37, in Dease, and Dolphin and Union Straits, Bernard Harbour, Coronation Gulf, etc. A list, with localities and distribution, of seventeen (including with de-

scription, one new) species of annelid worms; and a bibliography (12 items).

Copy seen: DSI-M.

1443. BERKELEY, M. J. Enumeration of the Fungi collected during the Arctic Expedition, 1875-76. (Linnean Society, London. Journal; botany, 1878. v. 17, p. 13-17)

Results of the British Arctic Expedition, 1875-76, under Sir George Nares, to the Smith Sound-Robeson Channel region. An annotated list, with localities, and habitats, of twenty-six (including with descriptions, seven new) species from Ellesmere Island and West Greenland. *Copy seen: DLC.*

1444. BERKH, VASILII NIKOLAEVICH, 1781-1834. The chronological history of the discovery of the Aleutian Islands; or, The exploits of the Russian merchants, with the supplement of historical data on fur trade. Seattle, Wash., Works Progress Administration, 1938. 1 p. l., iii, 127 numb. 1.

Translation of the author's *Khronologicheskaiia istoriia otkrytiia Aleutskikh ostrovov*, 1823, q.v., translated by Dimitri Krenov, and reproduced from typewritten copy. *Copy seen: DLC.*

1445. BERKH, VASILII NIKOLAEVICH, 1781-1834. *Khronologicheskaiia istoriia otkrytiia Aleutskikh ostrovov; ili, Podvigi rossiiskago kupechestva. S prisovokuplenniem istoricheskago izvistiia o mfkhovoi trgovli. Sanktpeterburg, N. Grecha, 1823. 169, [2] p. fold. tables, fold. map. Title tr.: The chronological history of the discovery of the Aleutian Islands; or, The exploits of the Russian merchants, with supplement of historical data on the fur trade.*

Translated into English as *Chronological history*, etc., 1938.

Contains a collection of short accounts of the voyages of Russian merchants to the Aleutian Islands, based on written and oral narratives of participants, on contracts, reports of governors, etc. Report on the Russian fur trade on Kuril Islands, Aleutian Islands and northwest coast of America. Lists of approximately 130 voyages of Russian merchants, 1745-1822, with statistics on the fur cargoes they brought home. *Copy seen: DLC.*

BERKH, VASILII NIKOLAEVICH, 1781-1834, *see also* Dall, W. H. Notes

on original manuscript chart Bering's Exped. 1891.

BERKNER, LLOYD VIEL, 1905-, see Seaton, S. L., & others. Ionospheric research College Alaska, 1941-46. 1947.

1446. BERLIN, AUGUST, 1851-1910. Karlväxter, insamlade under Den svenska expeditionen till Grönland 1883. (In: Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1884. Årg. 41, no. 7, p. 17-89) *Title tr.*: Vascular plants collected during the Swedish Expedition to Greenland, 1883.

List, with localities, remarks and some descriptions of fifty-four species from West Greenland, the inland ice east of Egedesminde, and from King Oscar Harbor on the east coast (about 65°N.)

Copy seen: DLC.

1447. BERLIN, KNUD KUGLEBERG, 1864-. Denmark's right to Greenland; a survey of the past and present status of Greenland, Iceland and the Faroe Islands in relation to Norway and Denmark. London, Oxford University Press, H. Milford; [etc., etc.] 1932. 185 p. Translation, by P. T. Federspiel, of Berlin's *Danmarks ret til Grönland*, 1932 (copy in CSt; MH-L; NN).

Contains introduction, repudiating Jon Skeie's presentation of the dispute between Norway and Denmark over the sovereignty of East Greenland in his *Greenland; the dispute between Norway and Denmark*, 1932, q.v.; historical account of the colonization and free status of Greenland, Iceland and The Faroes, their submission under Norway and constitutional position until 1814; discussion of the Treaty of Kiel, 1814, the Stockholm Convention, 1819, the subsequent administration of Greenland as a Danish colony and of the East Greenland controversy from the Danish point of view.

Copy seen: DLC.

1448. BERLIN, KNUD KUGLEBERG, 1864-. Grønlands statsretlige stilling. (Grønlandske selskab. Aarsskrift, 1922-23. p. 50-71) *Title tr.*: The international political position of Greenland.

Discusses Norway's challenge of Danish sovereignty over all of Greenland, and Norwegian claims in East Greenland; takes to task the Danish government for neglecting colonization of the Scoresby Sound territory and

erection of wireless station in Greenland. Includes discussion (p. 65-71), disputing Norwegian claims in Greenland.

Copy seen: NNStef.

1449. BERLIN, KNUD KUGLEBERG, 1864-. Grønlandsk ret. (Grønlandske selskab. Aarsskrift, 1928-29. p. 11-20) *Title tr.*: Greenlandic justice.

Discusses Danish and Greenlandic laws in Greenland; notes primitive character of Greenlandic laws and the need for such, especially in East Greenland and the Thule District; also punishments meted out for offenses.

Copy seen: NN.

BERLIN, L., see Vol'fkovich, S. I., & others. Pererabotka khibinskikh apatitov na udobreniia. 1932.

1450. BERLIN. UNIVERSITÄT. INSTITUT FÜR MEERESKUNDE. Polarbuch; neue Forschungsfahrten in Arktis und Antarktis mit Luftschiff, U-Boot, Schlitten und Forschungsschiff. Berlin, E. S. Mittler & Sohn, 1933. 4 p. l., 130 p. illus. (incl. sketch maps) 28 plates. (*Its*: Das Meer in volkstümlichen Darstellungen. Bd. 1) *Title tr.*: Polar book; new research expeditions to the Arctic and Antarctic with airship, submarine, sledge, and research vessel.

A collection of articles written by specialists in popular style for general readers.

Contents tr.: 1. Sverdrup, H. U. Oceanographer with the submarine *Nautilus* in north polar region. 2. Wegener, K. German Greenland Expedition Alfred Wegener. 3. Hjort, J. Whale and whale fisheries. 4. Defant, A. Icebergs and ice patrol service in the North Atlantic. 5. Weickmann, L. Polar flight of the *Graf Zeppelin*, July 1931. 6. Breitfus, L. L. The north Siberian sea route, its nature and practical use. *Copy seen:* NNA.

1451. BERMAN, L. L. Sovremennoe oledenenie verkhov'ev r. Indigirki. (Predvaritel'noe soobshchenie). (Voprosy geografii. Sbornik chetvertyi, 1947. Glatsiologiya i geomorfologiya, p. 33-66, illus., maps) *Title tr.*: Contemporary ice formations of the upper Indigirka River.

A glaciological study, based on aerial survey and on investigations in the field in 1946; with a list of two hundred fourteen glaciers in the upper Indigirka region, giving data on length, width, and area. *Copy seen:* DLC.

1452. BERNARD, CLINTON P. The cryolite mine at Ivigtut, Greenland. (Mining magazine, 1916. v. 14, p. 202-203) *Copy seen:* DGS.

1453. BERNARD, JOSEPH F. Local walrus protection in northeast Siberia. (Journal of mammalogy, Nov. 1923. v. 4, p. 224-27, plate)

A Chukchi myth heard by the author in 1921 near East Cape (mys Dezhneva), concerning the conservation of walrus as practiced by a local community in recent years.

Copy seen: DSI-M.

1454. BERNARD, JOSEPH F. Walrus protection in Alaska. (Journal of mammalogy, May 1925. v. 6, p. 100-102)

Note on the need for protection of the walrus and on the wasteful hunting practiced by Alaskan Eskimos, along the northwest coast of Alaska (Cape Lisburne - Point Barrow).

Copy seen: DSI-M.

1455. BERNBURG, I., and EINAR KRANTZ. Kortfattet beretning vedrørende de af I. Bernburg i aarene 1903-1907 foretagne ekspeditioner og arbejder paa Grønlands vestkyst. (Grønlandske selskab. Aarskrift, 1908. p. 1-27, diagr.) *Title tr.:* Brief account of I. Bernburg's expeditions and work on the west coast of Greenland in the years 1903-1907.

Remarks on mineral deposits, basaltic rock with iron content at Disko and Arsuk; mining efforts in various localities. Includes report (by Krantz) on results of analyses of various minerals; on ore investigations in Upernivik and Egedesminde districts 1905; and mineral discoveries at Angmagssalik, East Greenland.

Copy seen: DLC; NN.

1456. BERNGARD, G. I., and V. I. SHISHENKOV. Bolezni olenei v Nydinskem olenevodcheskom sovkhoe Glavsevmorputi v 1935 g. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 161-76, tables) *Title tr.:* Diseases of reindeer in 1935 on the Nydinsk state reindeer range of the Main Administration of the Northern Sea Route.

Report on diseases which occurred ("hoof corns, lungworm diseases, diseases of the hoofs, traumatic injuries, haemorrhagic septicemia, tympanites, diarrhea, and some other illnesses"), and a discussion of their control under

conditions in the state reindeer ranges. Summary in English.

Copy seen: CaOA; DA.

1457. BERNHAUER, MAX. Entomologische Ergebnisse der schwedischen Kamchatka-Expedition 1920-1922. 8. Staphylinidae. [Stockholm, 1925] 2 p. (Arkiv för zoologi. Bd. 18B, no. 4) *Title tr.:* Entomological results of the Swedish Kamchatka Expedition 1920-22. 8. Staphylinidae.

List, with localities, of forty-nine species of beetles.

Copy seen: DSI-M.

BERNHAEUER, MAX, see also Sjoestedt, Y., and others. Entomologische Ergebnisse Kamchatka-Exped. 37. Abschluss. 1935.

1458. BERNIER, JOSEPH ELZÉAR, 1852-1934. Master mariner and arctic explorer; a narrative of sixty years at sea from the logs and yarns of Captain J. E. Bernier; with an introduction by E. T. for Mrs. J. E. Bernier, with a foreword by William Wood. Ottawa, Ont., Printed by LeDroit, 1939. 409 p. illus., plates, ports.

Autobiography, with chapters (p. 305-389) on the expeditions into the Canadian arctic regions on the Canadian government steamship *Arctic* under command of Captain Bernier, 1906-07, 1908-09, and 1910-11, and on the *Arctic's* annual arctic patrols, 1922-25.

Copy seen: DLC.

BERNIER, JOSEPH ELZÉAR, 1852-1934, see also Canada. Dept. of Marine & Fisheries. Report on Dominion Govt. Exped. Arctic I. & Hudson St. 1906-07. 1909.

BERNIER, JOSEPH ELZÉAR, 1852-1934, see also Canada. Dept. of Marine & Fisheries. Report on Dominion Govt. Exped. northern waters, *Arctic*, 1910-11. 1911?

1459. BERNSTAM, A. N. Zametki po étnogenezu narodov Severnoi Azii. (Sovetskaiâ étnografiâ, 1947, vyp. 2, p. 60-66) *Title tr.:* Notes on the ethnogenesis of the peoples of northern Asia.

Contains materials on the origin of the inhabitants of northern Asia on the basis of the content of a Chinese encyclopedia of the 13th century. The ethnic terms used by the Chinese are analysed and some obvious errors corrected. Contemporary groups such as

the Tungus, Yakuts, and Yukaghirs are identified with some of the ancient types. A map of Siberia with the Chinese ethnographic terms is given.

Copy seen: NN.

1460. BERNSHTEIN, TAMARA. Plankticheskie prosteishie severozapadnoi chasti Karskogo moria. Leningrad, 1931. 23 p., illus. (map), 2 plates, tables. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 3, vyp. 1) *Title tr.:* Planktonic protists of the northwestern part of Kara Sea.

Description of material covering eighteen species of *Protista*, collected for the Institute for the Exploration of the North, Aug.-Sept. 1925, mainly in bays and lakes along the eastern coast of Novaya Zemlya. Summary in English.

Copy seen: DLC.

1461. BERNSHTEIN, TAMARA. Über einige arktische Radiolarien. (Archiv für Protistenkunde, 1932. Bd. 76, p. 217-27, 2 plates) *Title tr.:* On some arctic Radiolaria.

Based on plankton collections made during routine Arctic Institute of U.S.S.R. expeditions in Kara Sea off the east coast of Novaya Zemlya, 1925; in northeastern Barents Sea between Novaya Zemlya and Franz Josef Land, 1927; and the *Sedov's* cruise in Queen Victoria Sea, north of Franz Josef Land, 1929. Discussion of the temperature and depth relationships and the occurrences, as well as descriptions and interrelationships with other radiolarians, of *Botryopyle setosa*, *Plectacantha oiskiskos*, *Dictyophimus gracilipes*, *Dorataspis heteropora*, *Sticholonche zanglea*, and others; with a bibliography (16 items).

Copy seen: DA.

1462. BERNSHTEIN, TAMARA. Zooplankton raiona Zemli Frantsa-Iosifa. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. 1932. T. 2, p. 1-35, illus., 4 fold. tables) *Title tr.:* Zooplankton of the Franz-Josef Land region.

Descriptions based on material collected by an expedition of the Institute for the Exploration of the North on the ice-breaker *Sedov* in 1929. Summary in English.

Copy seen: DLC.

BERNSTEIN, A., see Barnett, H. E., & others. Medical conditions in Alaska. 1947.

BERNSTEIN, TAMARA, see Bernshstein, Tamara.

1463. BERONKA, JOHAN. Lappische Kasusstudien. (Oslo. Universitet. EtnoGRAFISKE museum. Skrifter, 1937, 1940. Bd. 2, Hefte 2, p. 55-128 [1]; Hefte 3, p. 131-225 [1]) *Title tr.:* Studies of Lappish case.

Contents: Hefte 2. Zur Geschichte des Komitativ-Instruktivs und des Genitivs im Lappischen. (On the history of the Comitative-Instructive in Lappish). Hefte 3. Zur Geschichte des Nominatives, des Akkusativs, der allgemeinen und der äusseren Lokalkasus. (On the history of the nominative, the accusative, the general and the "outer" locative case).

The two parts comprise technical description and characterization of the case system in the grammar of the various Lappish dialects; analysis of the relationships between Lappish and Finnish case systems; and examination of the extent to which Germanic, Slavic, and Lithuanian have modified the old Finno-Ugric Lappish.

Copy seen: DSI.

1464. BERRY, EDWARD WILBUR, 1875-. Former land connection between Asia and North America as indicated by the distribution of fossil trees. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934, v. 4, p. 3093-3106, map) Chiefly on the basis of detailed comparisons of distribution of fossil and living trees, the author draws conclusions on the dating (by geological periods) of the presence and absence of a land bridge at the present Bering Strait.

Map shows distribution of land and water as it would be if level of sea fell one hundred fathoms.

Copy seen: DLC.

1465. BERRY, EDWARD WILBUR, 1875-. The past climate of the north polar region. Washington, Smithsonian Institution, 1930. 1 p. l., 29 p. illus. (maps) (Smithsonian miscellaneous collections. v. 82, no. 6)

Discussion of the known occurrence of prehistoric flora from evidence of collected fossil plants, and the relationship of existing arctic flora and climate; and conclusion concerning past climate based on distribution of prehistoric flora.

Copy seen: DLC.

1466. BERRY, J. M. Army tractor trains in the North. (Canadian Army

journal, May 1948. v. 2, no. 2, p. 23-25, 29, illus.)

Account of Royal Canadian Army Service Corps winter trials (Exercise "Moccasin") at Fort Churchill, Manitoba, 1947-48 to test tractors in all types of weather conditions and over various types of country.

Copy seen: DP.

1467. BERRY, SAMUEL STILLMAN, 1887- . Cephalopoda. (Canadian Arctic Expedition, 1913-1918. Report, 1925. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. B, p. 3-8, illus.)

Description of fragments from seal stomachs, with a bibliography on Cephalopoda of the North American Arctic from Davis Strait to Bering Strait.

Copy seen: DSI-M.

1468. BERRY, SAMUEL STILLMAN, 1887- . Chitons taken by the United States fisheries steamer "Albatross" in the northwest Pacific in 1906. (U. S. National Museum. Proceedings, 1919. v. 54, p. 1-18. 1 illus., 10 plates)

Report on a small series (forty-five specimens) of this genus of molluscs, referable to eleven species, of which four (fully described) are new, and of which some are found in Bering Sea.

Copy seen: DLC.

1469. BERSON, ARTHUR JOSEPH STANISLAUS, 1859- , ed., and others. Die Arktisfahrt des Luftschiffes "Graf Zeppelin" im Juli 1931; wissenschaftliche Ergebnisse. Mit einem Geleitwort von Hugo Eckener. Gotha, J. Perthes, 1933. 112, [2] p. illus., 37 plates, maps (2 col., 3 fold.) (Petermanns Mittheilungen; Ergänzungsheft. Nr. 216) *Title tr.:* Arctic flight of the airship *Graf Zeppelin* in July 1931; scientific results. With an introduction by H. Eckener. Co-editors: R. L. Samoïlovich and L. Weickmann.

The flight was sponsored by the International Society for the Exploration of the Arctic Regions by Means of Aircraft, and led by Hugo Eckener. The dirigible was flown from Arkhangelsk to Franz Josef Land, northern Taymyr Peninsula, Severnaya Zemlya and Novaya Zemlya.

Contents tr.: SAMOÏLOVICH, R. L. Polar region flights and the "Graf Zeppelin" flight, 1931.

SAMOÏLOVICH, R. L. Geomorphological and glaciological observations.

WEICKMANN, L. Meteorological results.

MOLTCHANOV, P. Some additional remarks to Prof. Weickmann's report on the meteorological-aerological results.

GRUBER, O. v. The photogrammetric apparatus; methods of interpretation, and results so far extracted from the observations made.

HAUSMANN, K. Terrestrial magnetism.

LJUNGDAHL, G. S. The magnetic work.

WITTEMANN, A. Navigation on the flight and aids.

SAMOÏLOVICH, R. L. Ice observations.

KOHL-LARSEN, L. Polar equipment.

BELOV, A. M. and A. F. SCHIDLOWSKI. Bibliography of the most important literature on the Taymyr Peninsula and Severnaya Zemlya (Northland).

Each paper appears in this Bibliography under its author's name.

Copy seen: DLC.

BERSON, ARTHUR JOSEPH STANISLAUS, 1859- , see also *Arktis*; 1928-31.

BERSON, ARTHUR JOSEPH STANISLAUS, 1859- , see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlung II, Versammlung 1928. 1929.

BERSON, ARTHUR JOSEPH STANISLAUS, 1859- , see also Meyer, W. Kampf um Nobile. 1931.

BERTELSEN, AAGE, see Thosttrup, C. B. Danmark-ekspeditionens nekrologer. 1936.

1470. BERTELSEN, ALFRED, 1877- . Aegteskabsstatistik fra Umanaks distrikt (Nordgrønland). (Grønlandske selskab. Aarsskrift, 1918. p. 26-40, tables) *Title tr.:* Marriage statistics from Umanak district (North Greenland).

Contains notes, discussion and statistics on marriages, separations, widowers, widows, married, unmarried and remarried Eskimos, etc., between 1901 and 1915. Includes bibliography.

Copy seen: NN.

1471. BERTELSEN, ALFRED, 1877- . Akutte infektionssygdomme i Grønland. København, C. A. Reitzel,

1943. 244 p. illus., sketch map. (*His: Grønlands medicinsk statistik og nosografi, 4. del. Pub. in: Meddelelser om Grønland. Bd. 117, nr. 4*) *Title tr.:* Acute infectious diseases in Greenland.

Occurrence and course of individual infectious diseases in Greenland (chiefly West Greenland). Summary (in English) of groups of epidemic diseases introduced from outside and epidemic to Greenland; connection between epidemics and the navigation to Greenland, etc.; bibliography (110 items).

Copy seen: DSI-M.

1472. BERTELSEN, ALFRED, 1877-. Bemaerkninger vedrørende det grønlandske lægevaesens historie. (Grønlandske selskab. Aarskrift, 1912. p. 48-61) *Title tr.:* Remarks concerning the history of the medical service of Greenland.

Notes on medical work, resident and visiting physicians, surgeons on whaling ships; mention of Eskimo remedy for scurvy; bibliography.

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1473. BERTELSEN, ALFRED, 1877-. "Cordelpenge." (Grønlandske selskab. Aarskrift, 1913. p. 38) *Title tr.:* Cordel money.

Gives historical derivation of the word "kordeel" or "cordel" and its connotation as a whaling term.

Copy seen: NN.

1474. BERTELSEN, ALFRED, 1877-. Epidemiske sygdomme i Grønland. (Grønlandske selskab. Aarskrift, 1943. p. 62-81) *Title tr.:* Epidemic diseases in Greenland.

Discusses epidemics of the common cold and bronchial diseases; scarlet fever, chicken pox, etc.; typhus, dysentery, catarrh of the stomach, jaundice, etc.; diseases of the nervous system such as infantile paralysis, etc. Notes importance of control of travelers to Greenland in order to protect the Greenlanders from infection and contagion.

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1475. BERTELSEN, ALFRED, 1877-. Fuglemaerkningen i Vest-Grønland i aarene 1926-1945. København, C. A. Reitzel, 1948. 33, [1] p. illus., 2 maps (1 double-face) tables. (Meddelelser om Grønland. Bd. 142, nr. 4) *Title tr.:* Bird-banding in West Greenland, 1926-45.

Report on results of recoveries of banded birds (about twenty species), indicating migration patterns involving European and American continents.

Copy seen: DGS.

1476. BERTELSEN, ALFRED, 1877-. Fuglene i Umánaq distrikt. (Meddelelser om Grønland, 1921, pub. 1923. Bd. 62, p. 139-214. illus., maps (1 fold.)) *Title tr.:* Birds in the Umánaq district.

List, with Greenlandic names, localities and remarks, of fifty-seven species; also list of localities; bibliography, p. 214.

Copy seen: DLC.

1477. BERTELSEN, ALFRED, 1877-. Grønlaenderne i Danmark; bidrag til belysning af grønlandsk kolonisationsarbejde fra 1605 til vor tid. København, C. A. Reitzel, 1945. 211 p. illus., ports. (Meddelelser om Grønland. Bd. 145, nr. 2) *Title tr.:* The Greenlanders in Denmark. A contribution to the understanding of Danish colonization work from 1605 to 1945.

Contains an account of the first Greenlanders brought to Denmark by Godske Lindenow in 1605, and of other Eskimos in the 17th century; notes early Greenlandic vocabulary compiled by Reinhold Horn and Caspar Bartholin; treatment accorded Eskimos in Denmark; Hans Egede's views on sending Eskimos to Denmark; Eskimos who came to Denmark and to Holland in the 18th century; plan to train Eskimos in trades in Denmark and Norway; establishment of the "Home for Greenlanders" in Copenhagen; the training of Greenlandic women as nurses, etc.; and comments on the Eskimo and Danish languages in Greenland, and relations between the Eskimos and Danes, etc. Includes bibliography.

Copy seen: DGS; NN.

1478. BERTELSEN, ALFRED, 1877-. Grønlands befolkningsstatistik, 1901-30. København, C. A. Reitzel, 1935. 83 p. sketch map. (*His: Grønlandsk medicinsk statistik og nosografi, 1. del. Pub. in: Meddelelser om Grønland. Bd. 117, nr. 1*) *Title tr.:* Vital statistics of Greenland, 1901-1930.

Discussion, with statistical tables of birth rate, number of births per marriage, childless marriages, abortions and stillbirths, plural births, births out of wedlock, ratio between boys and girls, etc., of West Greenland districts; also

death rate, mortality according to sex, age, month of year and cause of death. With brief vital statistics for Angmagssalik, East Greenland; bibliography (181 items). Summary in English.

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1479. BERTELSEN, ALFRED, 1877-. Grønlandsk medicinsk statistik og nosografi; undersøgelser og erfaringer fra 30 aars grønlandsk lægevirksomhed . . . Med et engelsk résumé . . . København, C. A. Reitzel, 1935-43. 4 v. illus. (incl. maps) (Meddelelser om Grønland. Bd. 117, nr. 1-4) *Title tr.:* Medical statistics and nosography of Greenland; investigations and experiences resulting from thirty years' medical practice in Greenland . . . With an English summary.

Contents tr.: 1. Vital statistics 1901-30. 2. Public health in Greenland. 3. Prevalent diseases in Greenland. 4. Acute contagious diseases in Greenland.

Each number appears in this Bibliography under the author's name.

Copy seen: DSI-M.

1480. BERTELSEN, ALFRED, 1877-. De i Grønland brugte fuglenavne og deres betydning. (Meddelelser om Grønland, 1907. Bd. 33, p. 69-93. illus. (music)) *Title tr.:* Names of birds used in Greenland and their meaning.

List, (by the doctor on the Literary Expedition to West Greenland, 1902-1904) of fifty-four species of birds, indicating for each, the name with meaning in East Greenlandic and West Greenlandic; also musical notes of bird-calls.

Copy seen: DLC.

1481. BERTELSEN, ALFRED, 1877-. Meddelelser om nogle af de i Vestgrønlands distrikter mellem 60° og 77° N. br. almindeligere forekommende fugle, særlig om deres udbredelsesomraade, deres yngleomraade og deres traek. København, C. A. Reitzel, 1932. 73, [1] p., 1 l. illus. (4 sketch maps). (Meddelelser om Grønland. Bd. 91, nr. 4) *Title tr.:* Reports on birds occurring generally in West Greenland between 60° and 77° N.; with special regard to their distribution, breeding area and migration.

List of forty-one species, indicating for each, occurrence during winter and summer, breeding area and migratory routes and habits; bibliography (17 items). Summary in English.

Copy seen: DSI-M.

1482. BERTELSEN, ALFRED, 1877-. Navnegivning i Grønland. (Meddelelser om Grønland, 1918. Bd. 56, p. 221-87, illus.) *Title tr.:* Personal names in Greenland.

Discussion and tables of personal names of West Greenland Eskimos.

Copy seen: DLC.

1483. BERTELSEN, ALFRED, 1877-. Nogle meddelelser om fuglelivet i Vest-Grønland. (Grønlandske selskab. Aarsskrift, 1931-32. p. 5-22, illus.) *Title tr.:* Some notes on the bird life of West Greenland.

Survey of the literature, 1250-20th century, discussion of distribution of Greenland species (based on ring markings), their breeding grounds, etc.; migratory birds in Greenland (especially North American species).

Copy seen: NN.

1484. BERTELSEN, ALFRED, 1877-. Det sædvanlige grønlandske sygdomsbillede. København, C. A. Reitzel, 1940. 234 p. illus., sketch map. (*His:* Grønlandsk medicinsk statistik og nosografi, 3. del. *Pub. in:* Meddelelser om Grønland. Bd. 117, nr. 3) *Title tr.:* Prevalent diseases in Greenland.

Study of diseases occurring among the indigenous population of Greenland: malformations, neoplasms, deficiency diseases, tuberculosis, gonorrhea, syphilis and leprosy; diseases caused by parasites and various miscellaneous diseases; also a section on diseases among Europeans in Greenland; bibliography (188 items). Summary in English.

Copy seen: DSI-M.

1485. BERTELSEN, ALFRED, 1877-. Sanitation and health conditions in Greenland. (*In:* Greenland. Copenhagen, 1929. v. 3, p. 363-86, illus.)

Contents: Sanitation at the time of the beginning of colonization; introduction of a system on European lines; midwifery; present organization of medical aid; birthrate and mortality; hygienic conditions; health conditions; diseases, influence of climate, epidemics. Bibliography.

Copy seen: DLC.

1486. BERTELSEN, ALFRED, 1877-. Sundhedsvilkaarene i Grønland. København, C. A. Reitzel, 1937. 248 p. illus. 3 sketch maps. (*His:* Grønlandsk medicinsk statistik og nosografi, 2. del. *Pub. in:* Meddelelser om Grønland. Bd. 117, nr. 2) *Title tr.:* Public health in Greenland.

Discussion, with statistical tables, of West Greenland houses (types of houses, number of inhabitants per house and per room, heating, lighting, sleeping accommodations, etc.), gardening, sanitation, water supply, nutrition and diet, clothing, personal hygiene, sex and marriage, child care, schooling, occupations, care of the sick and the aged, etc., bibliography, p. 238-44. Summary in English. *Copy seen:* DSI-M.

1487. **BERTELSEN, ALFRED**, 1877-. Tilføjeelse til A. Bertelsen: Bemaerkninger vedrørende det grønlandske laegevaesens historie. (Grønlandske selskab. Aarsskrift, 1913. p. 39) *Title tr.*: Addenda to A. Bertelsen: Remarks concerning the history of the medical service in Greenland.

Adds that the German-born Reinhold Horn accompanied Danell as "army-surgeon" on his third Greenland trip in 1654 and published the first Greenlandic vocabulary of 100 words in 1656.

Copy seen: NN.

BERTELSEN, ALFRED, 1877-, *see also* Ostermann, H. B. S., & *others*. Beskrivelse af distrikterne i Nordgrønland. 1921.

BERTELSEN, ALFRED LEOPOLD, *see* Bertelsen, Alfred, 1877-.

1488. **BERTELSEN, ERIK**. Contributions to the animal ecology of the fjords of Angmagssalik and Kangerdlugssuaq in East Greenland. København, C. A. Reitzel, 1937. 58 p., 1 l. 2 maps. (Meddelelser om Grønland. Bd. 108, nr. 3) Results of the 6th and 7th Thule Expeditions to southeast Greenland, 1931-33. Based on collections made during the 7th Thule Expedition, summer 1933, in Tasissarsik, 65°38'N. 37°16'W., Angmagssalik Fjord and Sermilik, 65°36'-66°07'N., Mikis Fjord, 68°10'N. 31°30'W., Tasiussaq (Kong Oscars Havn), 65°36'N. 37°30'W., and in Uttental Sound of Kangerdlugssuaq, 68°09'-14'N., July 20-Aug. 29.

Contains some remarks on the hydrography, bottom conditions, and the vegetation; and description of the fauna of the tidal zone and the smallest depths, of the level sea-bottom, the vegetation and stones, also the swimming fauna of the sea-bottom; discussion of the productivity of the bottom fauna in the fjords of Angmagssalik region; and a bibliography (35 items).

Copy seen: DGS; DSI-M.

BERTELSEN, ERIK, *see also* Gjessing, P. & *others*. Beretning om Thors havundersøgelsestogt. 1935.

1489. **BERTHOLF, ELLSWORTH P.** The rescue of the whalers; a sled journey of 1600 miles in the arctic regions. (Harper's magazine, June 1899. v. 99, p. 3-24, illus., incl. sketch map)

Account, by an officer of the U. S. revenue cutter *Bear*, of driving a herd of reindeer from Cape Vancouver, Kotzebue Sound, to Point Barrow, Alaska, Nov. 27, 1897-Sept. 13, 1898, for relief of whalers. A full account of the exploit was published as U. S. Revenue-cutter Service. *Report of the cruise of the . . . "Bear"*, 1899, q.v.

Copy seen: DLC; NNStef.

BERTHOUMIEU, G. V., *see* Strand, E. Neue Beitr. z. Arthropoden-Fauna, I-XXVI. 1910-16.

BERTRAM, COLIN, *see* Bertram, G. C. L.

1490. **BERTRAM, G. C. L.** Arctic and Antarctic: the technique of polar travel. Cambridge [Eng.] W. Heffer & Sons, Ltd. [1939] xii p., 1 l., 125 p. illus., 13 plates.

Discussion of the effects of cold on man and animals; clothing, tents and camping, food, dogs, and transport for travel in polar regions. Condensation, entitled *Life at the poles of the earth*, was published in Science digest, Apr. 1940, v. 7, no. 4, p. 7-13.

Copy seen: DLC; NNStef.

1491. **BERTRAM, G. C. L.** The freshwater Crustacea of Bear Island. (Annals and magazine of natural history, Nov. 1933. Ser. 10, v. 12, p. 538-43)

Contains notes on the lakes, and on the thirteen species collected by Cambridge University Zoological Expedition to Bear Island, 1932, with a table summarizing the various collections made 1898-1932.

Copy seen: DSI-M.

1492. **BERTRAM, G. C. L.** The low temperature limit of activity of arctic insects. (Journal of animal ecology, May 1935. v. 4, p. 35-42, table)

Results of the Cambridge University Zoological Expedition to Scoresby Sound, East Greenland, 1933. Report on controlled field experiments, which showed that "the insects of Scoresby Sound region are much better equipped in their reactions for successful life

under the prevailing low temperature conditions than would be those of Finland were they transported there." Bibliography (10 items). *Appendix*: Table of species (Greenland and Finland) shows difference between the lowest temperature at which any activity is possible and that at which complete activity is attained. *Copy seen*: DA.

1493. BERTRAM, G. C. L., and others. Notes on East Greenland birds, with a discussion of the periodic non-breeding among arctic birds. (Ibis, Oct. 1934. Ser. 13, v. 4, p. 816-31) *Other authors*: David Lack and B. B. Roberts.

Results of the Cambridge University Zoological Expedition to Scoresby Sound, East Greenland, 1933. Annotated list of twenty-three bird species of Jameson and Liverpool Lands, and discussion of non-breeding; with a bibliography (25 items).

Copy seen: DSI-M.

1494. BERTRAM, G. C. L. The use of fuel in polar sledge travel. (Polar record, Jan. 1939. No. 17, p. 71-75, diagr.)

Discussion of relative merits of the modern method of carrying greater loads of fuel at the beginning of a sledge journey and using it to keep dry, and of the older practice of carrying less fuel; with notes on the "Nansen cooker", also an editorial note at the end, stating the views of an older explorer, Frank Debenham.

Copy seen: DLC.

1495. BERTRAM, G. C. L., and DAVID LACK. Bear Island. (Geographical journal, Jan. 1933, v. 81, p. 45-53, 2 plates, sketch map)

Results of the Cambridge University Zoological Expedition to Bear Island, 1932. Description of the physical features of the island and of the animal communities, both land and fresh-water, in relation to the physical conditions, the plant life and to each other, with special attention to the birds and insects.

Copy seen: DLC.

1496. BERTRAM, G. C. L., and DAVID LACK. Notes on the animal ecology of Bear Island. (Journal of animal ecology, May 1938. v. 7, p. 27-52, 2 plates, sketch map)

Results of the Cambridge University Zoological Expedition to Bear Island, 1932. During the period June 20-Aug. 10, the authors made observations and

collections of fauna from important land and fresh-water habitats, concentrating on vertebrates and arthropods (exclusive of Tardigrada and insect parasites of mammals and birds). In this paper they give brief notes on the island, its climate, flora, and manuring by sea birds; description of the lake and land vertebrate and arthropod faunas of the various habitats. Discussion of general aspects of composition and origins of the fauna, and notes on population control; with a bibliography (30 items). *Appendix*: Complete list of vertebrates and most groups of arthropods from Bear Island. *Copy seen*: DA.

1497. BERTRAM, G. C. L., and DAVID LACK. Notes on the birds of Bear Island. (Ibis, Apr. 1933. Ser. 13, v. 3, p. 283-301)

Results of the Cambridge University Zoological Expedition to Bear Island, 1932. Discussion of the abnormally large non-breeding bird population, and an annotated list of forty-one species and subspecies, including nine new records for Bear Island, and six for Svalbard; with a bibliography (12 items).

Copy seen: DSI-M.

BERTRAM, G. C. L., see also Bird, C. G., & E. G. Bird. Management of sledge dogs. 1939.

1498. BERWERTH, FRITZ. Über Gesteine von Jan Mayen. [Wien, 1886] 20 p. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, 1886. Bd. 3, Theil 8) *Title tr.*: Concerning rocks of Jan Mayen.

Description of about thirty samples of rock, mostly basalts, collected by Ferdinand Fischer on Jan Mayen. Includes notes on the occurrence of the rocks represented by the samples.

Copy seen: DLC.

1499. BERZUNZA, CARLOS R. Las regiones polares y su significación mundial. (Sociedad Mexicana de Geografía y Estadística. Boletín, Enero-Feb. 1949. T. 67, p. 7-92, 5 plates, 12 sketch maps) *Title tr.*: The polar regions and their significance in world affairs.

Discussion of the Arctic and Antarctic in relation to the strategy of a future world struggle. Includes description of their natural regions, resources, physical characteristics and economic possibilities; bibliography (41 items).

Copy seen: DSI-E.

1500. BESKOW, GUNNAR, 1901- . Södra Storfjället im südlichen Lappland; eine petrographische und geologische Studie im zentralen Teil des skandinavischen Hochgebirges. Stockholm, Kungl. boktryckeriet, P. A. Norstedt & Söner, 1929. 334 p. incl. illus. (incl. diagrs.) tables, maps (1 fold.) fold. col. profile. (Sweden. Geologiska undersökning. Ser. C. Avhandlingar och uppsatser, no. 350. Årsbok 21 (1927) no. 5) *Title tr.*: Södra Storfjället in southern Lapland; a petrographic and geological study of the central part of the Scandinavian mountain ranges.

Contains a brief summary of the stratigraphy and petrography of Södra Storfjället (South Great Mountain, about 65°35'N. 14°45'E. in Sweden); describes topography and general environmental conditions, morphology, caves and grottos; sediments and effusives; minerals with amphibolite-biotite shale facies; the lower quartzite; the upper quartzite or graphite quartzite-lime sandrock formations; the lower marble horizon with green-stone agglomerates and conglomerates; effusives, tuffs and lime rocks; petrographic profiles; the minerals with chlorite slate facies; intrusives; the low temperature rocks; metamorphosis process of differentiation of the eruptive rock groups; the spilites and the relation between Caledonian effusives and the spilite series, etc. Lists analyses of rocks and minerals, with tables, p. 323-33. *Copy seen:* DLC; NNA.

1501. BESKOW, GUNNAR, 1901- . Soil freezing and frost heaving with special application to roads and railroads . . . With a special supplement for the English translation of progress from 1935 to 1946. Evanston, Ill., Technological Institute, Northwestern University, 1947. 2 p. l., 145 p. illus., diagrs. Translation by J. O. Osterberg of Beskow's *Tjälbildningen och tjällyftningen*, 1935, q.v.

Contains (p. 133-45) in addition to the original material, report on progress of Scandinavian soil frost research from 1935 to 1946, by G. Beskow, with added bibliography (14 items).

Copy seen: CaMAI; DGS.

1502. BESKOW, GUNNAR, 1901- . Tjälbildningen och tjällyftningen med särskild Hänsyn till vägar och järnvägar. Stockholm, 1935. 242 p. illus.,

diagrs. (Sweden. Geologiska undersökning. Årsbok, 1932. 26, no. 3; Avhandlingar och uppsatser, ser. C, no. 375) *Title tr.*: Soil freezing and frost heaving with special application to roads and railroads.

Translation in English was published by Northwestern University, 1947.

Contents tr.: 1. Introduction. 2. Mechanics of frozen soil. 3. Frost heaving. Size of heave caused by freezing of pre-existing water in the soil. Heaving due to suction of water to the frost line. 4. Hydrodynamic considerations of frost heaving. 5. Temperatures in freezing ground. Summary of mechanical analyses. Bibliography (87 items). Summary in English, p. 222-42.

Copy seen: DGS.

1503. BESSELS, EMIL, 1847-1888. Die amerikanische Nordpol-Expedition. Leipzig, W. Engelmann, 1879. xx, 647, [1] p. illus., plates, fold. map, fold. diagr. *Title tr.*: The American North Pole Expedition.

Account by the surgeon and chief scientist, of the U. S. Arctic Expedition on the *Polaris*, north of the Smith Sound region 1871-73, under command of Dr. C. F. Hall.

Contains description of the *Polaris*, the scientific equipment, the course of the expedition, with notes on previous exploration in the Smith Sound region; the wintering 1871-72 at Thank God Harbor, *Polaris* Bay (81°36'N. 62°15'W.), sledge journeys, scientific activities, death of Dr. Hall; the *Polaris'* drift southward in the ice-pack; separation of part of the crew caught on an ice-floe and return of the others to the Greenland coast; the wintering 1872-1873 at *Polaris* House (near Port Foulke, 78°10'N. 73°W.); notes on animal life and the Eskimos; the main party's voyage south by small boats, then by the rescue ship *Ravenseraig*, via Lancaster Sound and Prince Regent Inlet, with notes on Eskimos, whaling, etc., in that region. Also some account of the ice-floe party, its drift from Smith Sound to the coast of Labrador, Oct. 1872-Apr. 1873, and rescue by the *Tiger*.

Scientific appendices (p. 527-647): 1. Oceanography, tidal observations, density measurements, ocean currents; remarks on ice conditions. 2. Terrestrial magnetism and auroras. 3. Me-

teorology: air temperature, wind, air pressure, humidity, clouds (summary of observations made at Polaris Bay and Polaris House), the ozone content of air. Instructions.

Copy seen: DLC.

1504. BESSELS, EMIL, 1847-1888. Überwinterung der Mannschaft des Amerikanischen Expeditionsschiffes "Polaris" in Lifeboat Cove (Smith-Sund) 1872/3. (Petermanns geographische Mitteilungen, 1873. Bd. 19, p. 401-408) *Title tr.:* The wintering of the crew of the American expedition ship *Polaris* in Lifeboat Cove (Smith Sound), 1872-73.

A short letter from Dr. Bessels and quotations from various Scottish and English newspapers giving first-hand reports on the wintering of fourteen members of the Hall expedition on the northwest coast of Greenland near Port Foulke, and their subsequent rescue in Melville Bay by the Scottish whaler *Ravenscraig* under Capt. Allen. Includes brief summary of results of activity of Scottish whalers in Baffin Bay and vicinity in 1873, with names of ten ships and number of whales and tons of oil obtained by each.

Copy seen: DLC.

1505. BESSER, WILIBALD SWIBERT JOSEF GOTTLIEB von, 1784-1842. *Dracunculi seu de sectione IV et ultima Artemisarum Linnaei.* (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', 1835. T. 8, p. 3-97) *Title tr.:* *Dracunculi* or 4th and last section of *Artemisia* Lin.

Contains a monographic treatment of thirty-six species of *Artemisia* of the section *Dracunculi*, including some arctic and Kamchatka species.

Copy seen: MH-A.

1506. BESSER, WILIBALD SWIBERT JOSEF GOTTLIEB von, 1784-1842. *Tentamen de Abrotanis seu de sectione II^{de} Artemisarum Linnaei.* Moscou, 1843. 89 p. (Moskovskoe obshchestvo ispytatelei prirody. Nouveaux mémoires. T. 3) *Title tr.:* An essay on *Abrotana* or second section of *Artemisia* Lin.

Contains a revision of the section *Abrotana* of herbaceous genus *Artemisia* with a key to the species, description of seventy-four species, critical notes and date on distribution, includes some native to arctic Siberia and Kamchatka. *Copy seen:* MH-A.

1507. BETHUNE, WILLIAM CLARK, 1896- . Canada's Eastern Arctic; its history, resources, population and administration. Assembled by W. C. Bethune for the Northwest Territories Council. Ottawa, Kings Printer, 1934. 166 p. incl. illus., port., tables, maps (1 fold.)

A collection of papers giving a general description of "that portion of northern Canada patrolled annually by the Eastern Arctic Expedition together with those areas not visited annually which could normally be reached more readily from the east than . . . the west"—the mainland, islands and waters westward to McClintock Channel-Melville Sound-McClure Strait.

Contents: History, location and extent.

Macdonald, C. S. The compass in the eastern Arctic.

Middleton, W. E. K. Climate and weather.

Government and administration. Population (Eskimos). Missions, schools and hospitals. Industries (fur and fur trade, whaling, mining).

Elton, C. Fluctuations in wild life. Anderson, R. M. Mammals. Eskimo dogs.

Taverner, P. A. Birds. Fish.

Anderson, R. M. Arctic flora.

Weeks, L. J. Geology.

Soper, J. D. Zoological collecting and research in arctic regions.

Brief notes respecting places on accompanying map. Bibliographical notes throughout. *Copy seen:* DLC.

1508. BETHUNE, WILLIAM CLARK, 1896- , and others. Canada's western northland; its history, resources, population and administration. Assembled by W. C. Bethune. Ottawa, King's Printer, 1937. 162 p. incl. illus., tables. 7 sketch maps. Issued by: Canada. Dept. of Mines and Resources. Lands, Parks and Forests Branch.

"Covers the mainland portion of the Northwest Territories and the more southwesterly islands of the arctic archipelago, in particular, Banks, Victoria, Prince of Wales and King William Islands."—Introd.

Contents: Bethune, W. C. Government and administration. Historical, present day, and missions, schools and hospitals.

MacDonald, C. S. Geography.

Bethune, W. C. Transportation and communication.

Connor, A. J. Climate and weather of the Arctic.

Population: JENNESS, D. Indians of the Northwest Territories and Yukon.

URQUHART, J. A. Present day Eskimos of the Canadian western Arctic.

Commerce and industry: Bethune, W. C. Fur trade and mining. Albright, W. D. Agriculture and horticulture.

Conservation of game: BETHUNE, W. C. Caribou, reindeer, musk-ox, reservations.

SOPER, J. D. Wood Buffalo Park.

ANDERSON, R. M. Mammals and birds.

BETHUNE, W. C. Fish.

PORSILD, A. E. Flora.

Canada. Dominion Forest Service. Forests.

ALCOCK, F. J. Geology and physiography.

Canada. Water and Power Bureau. Water powers.

The papers on population, conservation of game, mammals, birds, fish, flora and geology appear in this Bibliography under their respective authors' names.

Copy seen: DLC.

1509. BETHUNE, WILLIAM CLARK, 1896-. Conservation of game. Caribou, reindeer, musk-ox, and reservations. (In his, and others: Canada's western northland, 1937. p. 82-90, illus., sketch map)

Includes definitions of four game preserves, and a map showing range of the musk ox.

Copy seen: DLC.

1510. BETHUNE, WILLIAM CLARK, 1896-. Fish. (In his, and others: Canada's western northland, 1937. p. 123-29)

Compiled from published reports of other writers, notes on the occurrence, abundance, and distribution of sixteen fresh-water and two marine food fishes common to Northwest Territories, Yukon, and the Canadian Arctic Islands.

Copy seen: DLC.

1511. BETHUNE, WILLIAM CLARK, 1896-. 1933 Eastern Arctic Expedition. (Canadian surveyor, Oct. 1933. v. 4, no. 10, p. 9-12, illus.)

Report of work accomplished on the cruise of the *Nascope*, 1933, giving a

broad survey of the administration of the Canadian Eastern Arctic.

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1512. BETTS, H. W. Bird notes from Yukon Territory. (Murrelet, Jan.-Apr. 1940. v. 21, p. 11)

Observations of arrival of migrant birds, in May.

Copy seen: DSI-M.

1513. BEURLING, PEHR JOHAN, 1800-1866. Caricum Scandinaviae conspectus, commentariis illustratus. (Botaniska notiser, 1853, no. 3, p. 33-38) Title tr.: Conspectus of Scandinavian Carices with comments.

Contains a list of one hundred twelve species of the genus *Carex*, with critical comments in the footnotes; includes *C. fuliginosa* var. *misandra*, *C. limosa* var. *agynostachys* and *C. ampullacea*, native to Swedish Lapland.

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1514. BEURLING, PEHR JOHAN, 1800-1866. Conspectus Cyperacearum Scandinaviae. (Botaniska notiser, 1853, no. 4-5, p. 52-54) Title tr.: Conspectus of Scandinavian Cyperaceae.

Contains a list of thirty Scandinavian species of Cyperaceae or sedge family, with critical data in footnotes; includes some native to Swedish Lapland.

Copy seen: MH-A.

1515. BEURLING, PEHR JOHAN, 1800-1866. Conspectus Onagracearum Scandinaviae. (Botaniska notiser, 1853, no. 12, p. 184-86) Title tr.: Conspectus of Scandinavian Onagraceae.

Contains critical notes on thirteen species of the evening primrose family, Onagraceae, including *Epilobium hornemanni*, and *E. alpinum* (willow herbs) native to Lapland.

Copy seen: MH-A.

1516. BEURLING, PEHR JOHAN, 1800-1866. Graminearum Scandinaviae conspectus. (Botaniska notiser, 1856, no. 5-6, p. 65-73) Title tr.: Conspectus of Scandinavian Gramineae.

Contains a list of about one hundred thirty Scandinavian grasses (Gramineae) with critical comments in the footnotes; includes some native to Swedish and Russian Lapland.

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1517. BEURLING, PEHR JOHAN, 1800-1866. Luzularum Scandinaviae conspectus. (Botaniska notiser, 1853, no. 4-5, p. 54-55) Title tr.: Conspectus of Scandinavian species of *Luzula*.

Contains a conspectus of Scandinavian species of *Luzula* (wood-rush) including *L. melanocarpa* from Torne Lappmark and *L. nivalis*, known also from Greenland, West Spitsbergen, Alaska and Labrador.

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1518. BEURLING, PEHR JOHAN, 1800-1866. Species Scandinaviae generis *Thalictri* Linn. (Botaniska notiser, 1853, no. 4-5, p. 55-56) *Title tr.*: Scandinavian species of the genus *Thalictrum* Linn.

Contains a conspectus of nine Scandinavian species of the herbaceous genus *Thalictrum*, including *T. majus* native to Swedish Lapland, Unalaska and Kamchatka. Copy seen: MH-A.

1519. BEURLING, PEHR JOHAN, 1800-1866. De svenska arterna af *Sparganium* L. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1852. Årg. 9, p. 191-93) *Title tr.*: Swedish species of *Sparganium* L.

Brief discussion of taxonomic relationships of five species of bur-reeds, of which one or two are native to Swedish Lapland. A criticism of this paper was written by J. Ångström, *Några anmärkningar* (etc.), 1853, q.v.

Copy seen: DLC.

1520. BEURLING, PEHR JOHAN, 1800-1866. Synopsis specierum scandinavicarum generis *Potamogeton* Linn. (Botaniska notiser, 1853, no. 6-7, p. 88-90) *Title tr.*: Synopsis of Scandinavian species of the genus *Potamogeton* Linn.

Contains a list of twenty-four Scandinavian species of the bur-reed genus *Potamogeton*, with critical matter in footnotes; includes *P. rufescens* and *P. salicifolius* from Kengis, Torne Lappmark.

Copy seen: MH-A.

1521. BEZOBRAZOV, VLADIMIR PAVLOVICH, 1828-1889. Graf Fedor Petrovich Litke. I. 1797-1832. Sankt-peterburg, 1888. lxx, 239 p. 3 ports. (Akademiia nauk SSSR. Zapiski. T. 57, suppl. 2)

Four prefatory studies of Count F. P. Litke, his archives, and his work, by Bezobrazov; followed by Litke's autobiography covering his life to 1832, when he was appointed tutor to Grand Duke Konstantin Nikolaevich and gave up active arctic exploration and scientific work. Litke's voyages to Kam-

chatka and his work in the Barents and White Seas are dealt with only briefly, on the ground that he had already published complete accounts (see his *Puteshestvie vokrug svieta*, 1834-36, *Chetyrekratnoe puteshestvie*, 1828, etc., as well as V. M. Golovnin's *Puteshestvie vokrug svieta*, 1822).

Appendices consist of laudatory speeches by O. N. Struve (reprinted from his *Ob uchenykh zaslugakh Grafa F. P. Litke*, 1883, q.v.) and F. F. Veselago, both giving only brief accounts of Litke's work; and texts of a letter and papers (some in French) by Litke.

Copy seen: DLC.

1522. BEZRUKOVA, E. A. Plodovitost' belomorskikh sel'dei. (Zoologicheskii zhurnal, 1938. T. 17, vyp. 1, p. 175-79, tables) *Title tr.*: Fertility of White Sea herring.

Account of investigation of 283 specimens of White Sea herrings: their fertility, comparison with herrings from other seas. Tables show the relationship between weight of the fish and dimensions of its spawn.

Summary in English.

Copy seen: DLC.

1523. BIAGI, GIUSEPPE, 1897- I miracoli della radio nella tragedia polare; Biagi racconta. 2. ed. Milano, A. Mondadori, 1929. 3 p. l., [9]-153 p. 3 l. 1 illus., plates, ports. *Title tr.*: The miracle of radio in the polar tragedy. Biagi tells his story.

The story of the second radio technician of the *Italia*, who was thrown on the ice floe with Nobile and others, as the airship crashed, and who operated the radio during the days following the catastrophe.

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1524. BIALYNIŬSKII-BIRULIA, ALEKSEI ANDREEVICH, 1864-1937. Aurora borealis. St.-Petersbourg, 1912-15. 2 v. (89, 92 p.) 6 plates, 2 sketch maps. (Russkaia polarnaiia ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. B, livr. 3, 6. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 26, no. 3, 6)

Subtitles tr.: I. The journal of observation of northern lights during the first wintering of the Russian Polar Expedition (1900-1901) in the Zarya roadstead off the northern coast of western Taymyr. II. The journal of observations of northern lights during the

second wintering of the Russian Polar Expedition (1901-1902) in Nerpich'ya Bay off the western coast of Kotel'nyy Island (New Siberian Islands).

Part 1: From Sept. 21 (Oct. 4) to March 16 (29), author's notes on form, position, intensity, color, and direction of motion of northern lights, recorded every fifteen minutes, or oftener, from appearance of lights to 10-11 P.M.; from Nov. 14 (27), supplemented by hourly (or more frequent) observations of watcher at magneto-meteorological station on Nablyudeniy Island (76°8'18"N. 95°40'E.) and aboard ship anchored to the east.

Part 2: Results of dual observation from Oct. 18 (Nov. 1) to Mar. 26 (Apr. 8), at magneto-meteorological station (75°22'19"N. 137°9.5' E.) and aboard ship anchored to the east.

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1525. BĀLYNITSKII-BIRULĀ, ALEK-SEI ANDREEVICH, 1864-1937. Beiträge zur Kenntnis der Decapoden-Krebse der eurasiatischen Arctis. St.-Petersbourg, 1910. 2 p. l., 42, viii p. illus., plate. (Russkaiā poliārnaia ēkspeditīia, 1900-1903. Résultats scientifiques. Sect. E, vol. 2, livr. 1. *Pub.* as: Akademiā nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 29, no. 1) *Title tr.:* Contribution to knowledge of the decapod crustaceans of the Eurasian Arctic.

Contains a systematic list, with synonyms, references, localities, taxonomic and descriptive notes, of nine species of crabs and shrimps from the Barents, Kara and Laptev Seas, and the Arctic Basin north of the New Siberian Islands; with a station list showing positions, depths and bottom sediments.

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1526. BĀLYNITSKII-BIRULĀ, ALEK-SEI ANDREEVICH, 1864-1937. Materialy dlia biologii i zoogeografii preimushchestvenno russkikh morei. I. K faune meduz Solovetskago zaliva. (Akademiā nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1896. T. 1, p. 327-54) *Title tr.:* Materials on biology and zoogeography especially of Russian seas. I. The Medusae of Solovetskiy Gulf.

Based on collections made at the Solovetskiy Zoological Station (Solovetskiye Islands, White Sea) summers of 1895-96.

Contains discussion of arctic distribution of jellyfish species treated in the paper, a key to species and a systematic list, with synonyms, references and descriptions of seventeen species.

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1527. BĀLYNITSKII-BIRULĀ, ALEK-SEI ANDREEVICH, 1864-1937. Ocherki iz zhizni ptits poliārnaego poberezh'ia Sibiri. St.-Petersburg, 1907. [4], xxxvi, 157 p. illus., 8 plates. (Russkaiā poliārnaia ēkspeditīia, 1900-1903. Résultats scientifiques. Sect. E, vol. 1, livr. 2. *Pub.* as: Akademiā nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 2) *Title tr.:* Sketches of bird life on the arctic coasts of Siberia.

Contains a short history of the Russian Polar Expedition under Baron Toll, a sketch of the physico-geographical characteristics of western Taymyr and the New Siberian Islands; the author's ornithological journal for 1900-02, and a systematic annotated list, with localities, of fifty-one species of birds frequenting these regions and adjacent waters. As the author's interest was largely ecological, he did not include in this list species casually observed. Synonyms in local Russian dialect, Yakut, and Tungus are often given.

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1528. BĀLYNITSKII-BIRULĀ, ALEK-SEI ANDREEVICH, 1864-1937. Über die Seesäugetiere des Weissen Meeres. (Zoologischer Anzeiger, Juli 1934. Bd. 107, p. 10-22) *Title tr.:* On the marine mammals of the White Sea.

Contains notes on the biology of four species of whales, and mention of three additional species from Murman coastal waters which occasionally occur also in the White Sea; bibliography (15 items).

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1529. BĀLYNITSKII-BIRULĀ, ALEK-SEI ANDREEVICH, 1864-1937. Zoologische Ergebnisse der Russischen Expeditionen nach Spitzbergen. Crustacea-Decapoda. (Akademiā nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1906. T. 11, p. 1-68, illus., sketch map, tables) *Title tr.:* Zoological results of the Russian Expedition to Spitsbergen. Crustacea-Decapoda.

Based on collections made by the Russian Expedition for the Measurement of an Arc of Meridian, 1899-1901,

in Storfjord, Ice Fiord, and Horn Sound, also on some made by the *Ermak*, in waters north and west of West Spitsbergen, 1899. A classified, fully annotated list, with synonyms, references, localities, and arctic distribution, of the forty-eight species of crabs and shrimps known to occur in Svalbard waters and circumpolar seas.

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BIALYNITSKII-BIRULIA, ALEKSEI ANDREEVICH, 1864-1937, see also Elenkin, A. A. Lishainiki, sobrannye Spitsbergena. 1907.

BIALYNITSKII-BIRULIA, ALEKSEI ANDREEVICH, 1864-1937, see also Lebedeva, L. A. Fungi novi e Sibiria polari. 1924.

BIALYNITSKII-BIRULIA, ALEKSEI ANDREEVICH, 1864-1937, see also Pedashenko, D. D. Otchet o sostoiianii Solovetskoï biol. stantsii 1897. 1897.

BIALYNITSKII-BIRULIA, ALEKSEI ANDREEVICH, 1864-1937, see also Russkaia polïarnaia ekspeditiia, 1900-1903. Otchety o rabotakh. 1901-1904.

BIALYNITSKII-BIRULIA, NIKOLAI ANDREEVICH, 1881-1905, see Deriugin, K. M. Fauna Ekaterinenskoï gavan. 1906.

BIALYNITSKII-BIRULIA, NIKOLAI ANDREEVICH, 1881-1905, see Deriugin, K. M. Otchet po Murmanskoï biol. stantsii 1904. 1905.

1530. BIANCO, AQUALUK. Døden og livet. (Grønlandske selskab. Aarsskrift, 1948. p. 128-30) *Title tr.:* Death and life.

Vivid description of a face-to-face encounter with a polar bear.

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1531. BIANKI, A. V. Polïarnaia stantsiia na ostrove Diksona. (Problemy Arktiki, 1940, no. 10, p. 103-107, tables) *Title tr.:* The polar station on Dikson Island.

Historical account of the station's organization, its personnel, scope of work, instrumentation and equipment, from the time of its opening in 1914 to 1939.

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1532. BIANKI, L. V. Predvaritel'nyi otchet o rabotakh biologicheskogo otriada v 1926 g. (Akademiia nauk

SSSR. Komissiiä po izucheniiu Äakutskoï Avtonomnoï Sovetskoï Soätialisticheskoï Respubliki. Materialy, 1929. Vyp. 10, p. 263-80) *Title tr.:* Preliminary report on the work of the biological party, 1926.

An account of the work schedule, work conditions and zoological collections of this party of the Yakut Expedition of the Academy of Sciences of U.S.S.R., 1925-1926.

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1533. BIANKI, VALENTIN L'VOVICH, 1857-1923. Otchet o komandirovkie v Kamchatku v 1908 godu. (Akademiia nauk SSSR, Bulletin, jan. 1909. Sér. 6, t. 3, p. 23-52) *Title tr.:* Report on the mission to Kamchatka in 1908.

Narrative by the ornithologist sent by Academy of Sciences as member of Kamchatka Expedition, equipped by the Russian Geographical Society with funds supplied by F. P. Riäbushinskii. Party reached Ust'-Kamchatsk (June 7) by boat via Petropavlovsk, and traveled inland to Koz'yrevsk, observing one hundred and twenty-one species of birds and collecting specimens (lists by localities). After four months, author returned alone, stopping at Komandorskiye Islands, the fauna of which he briefly describes.

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1534. BIANKI, VALENTIN L'VOVICH, 1857-1923. Zoologische Ergebnisse der russischen Expeditionen nach Spitzbergen. Ueber die in Jahren 1899-1901 auf Spitzbergen gesammelten Vögel. (Akademiia nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1902. T. 7, p. 305-334) *Title tr.:* Zoological results of the Russian Expedition to Spitsbergen. Birds collected during 1899-1901 on Spitsbergen.

Based on collections made by the Expedition for the Measurement of an Arc of Meridian on Spitsbergen. Field notes on twenty-five species of birds, with a list of forty-six species known to occur in Spitsbergen and Bear Island.

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BIANKI, VALENTIN L'VOVICH, 1857-1923, see also Grigor'ev, A. A. Otchet o poëzhdkie v Bol'shezemel'skuü tundru. 1905.

1535. BIBLIOGRAFIÄ. Ts'vetkovye i sosudistyie sporovyiä, botanicheskaia geografiia i paleofitologiia. (Leningrad. Glavnyi botanicheskii sad. Izvestiia,

1915. T. 15, vyp. 2, p. 206-257) *Title tr.*: Bibliography. Flowering plants and vascular cryptogams; geobotany and paleobotany.

Contains an alphabetic list of about one thousand botanical works of Russian and foreign authors, published in 1912-14, some concerning the arctic regions.

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1536. BIBLIOGRAFIJA DAL'NEVOSTOCHNOGO KRAJA, 1890-1931. Otvetstvennaja redakcija: A. N. Asatkin, V. A. Samoilov. T. 1-2. Moskva, Vsesoiuznaja assotsiatsija s.-kh. bibliografii, 1935. 2 v.: 376, [1] p.; 414, [1] p. *Title tr.*: Bibliography of the Far-East region, 1890-1931. Editorial directors: A. N. Asatkin, V. A. Samoilov.

Contents tr.: Vol. 1. Physical geography. Vol. 2. Geology, mines and ores, paleontology.

A basic annotated bibliography of the Far East region, including the East Siberian, the Bering, and Okhotsk Seas, the eastern sections of the Yakut A.S.S.R., Kamchatka Province and Kamchatka Peninsula. Vol. 1 has 2106 items, and vol. 2, 1997 items listed chronologically according to subject; with indexes for authors, subjects and geographic names. *Copy seen*: DLC.

1537. BIDENKAP, OLAF. Die Bryozoen. I. Teil: Die Bryozoen von Spitzbergen und Kong-Karls-Land. (*In*: Fauna arctica, 1900. Bd. 1, p. 503-540, 2 plates) *Title tr.*: Bryozoa. Pt. 1. Bryozoa of Spitzbergen and King Charles Land.

Contains a systematic list (with synonymy, distribution, depths and station numbers from the German Expedition to the Arctic Ocean 1898) of one hundred thirty-two species reported to date from the waters traversed; list of stations, showing for each, the species collected and the type of bottom; tabular representation of vertical distribution, and a bibliography (8 items).

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1538. BIDENKAP, OLAF. Die Bryozoen. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bareninsel und Westspitzbergen im Sommer 1898 auf S. M. S. "Olga", III. (Wissenschaftliche Meeresuntersuchungen, 1900. Neue Folge, Bd. 4, Abt. Helgoland, p. 249-63) *Title tr.*: The bryozoans. Zoological results of a research

expedition (etc.) to Bear Island and West Spitzbergen in the summer of 1898 on H. M. S. *Olga*, III.

Contains a list, with synonymy, locations, type of bottom, notes on habitats, and distribution, of forty-seven species; a table indicating depths at which species were taken; and a summary of species according to station number (with position, and bottom type).

A revision of the classification used by the author, was published as Kluge, H. *Ergänzungsbericht über die von der "Olga"-Expedition, etc., 1908, q.v.*

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1539. BIDENKAP, OLAF. Bryozoen von Ost-Spitzbergen. Zoologische Ergebnisse der im Jahre 1889 auf Kosten der Bremer Geographischen Gesellschaft von Dr. Willy Kükenthal und Dr. Alfred Walter ausgeführten Expedition nach Ost-Spitzbergen. (Zoologische Jahrbücher: Abt. für Systematik Geographie und Biologie, 1897. Bd. 10, p. 609-639, plate, table) *Title tr.*: Bryozoa of East Spitzbergen. Zoological results of the Bremen Geographical Society Expedition of Dr. Willy Kükenthal and Dr. Walter to East Spitzbergen, 1889.

Contains a tabular comparison of the Svalbard, Greenland, and Finnmark species; a classified list, with synonymy, locations, distribution and some descriptive notes, of forty-nine (including with description, one new) species from eastern Svalbard waters; a list of stations showing position, bottom sediments, and depths, and a bibliography (14 items).

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1540. BIDENKAP, OLAF. Foreløbig oversigt over de i arktiske Norge hidtil bemærkede Diptera Brachycera. (Tromsø, Norway. Museum. Årshefter, 1900, pub. 1901. Bd. 23, p. 13-112) *Title tr.*: Provisional summary of the Diptera Brachycera known to occur in arctic Norway.

Contains a classified list, with synonyms, arctic, and other distribution, of three hundred thirty-six species of flies, of which fourteen are new to Norway. *Copy seen*: DLC; DSI-M.

1541. BIDENKAP, OLAF. Fortegnelse over de arktiske bryozoaer. Bergen, J. Grieg, 1906. 79 p. incl. tables. (Bergen, Norway. Museum. Aarbok. 1905. No. 9) *Title tr.*: Catalog of arctic bryozoans.

Contains a classified list of two hundred twenty-three species, showing distribution and bibliographic references; a brief historical résumé of the literature, a bibliography (46 items) and a table of species showing occurrence in northern Norwegian waters, Barents Sea, Kola Peninsula waters, White Sea, Novaya Zemlya waters, Kara Sea, Svalbard, Franz Josef Land, Jan Mayen, Greenland, Canadian Arctic Islands, Alaskan, and Iceland waters and Labrador Sea.

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1542. BIDENKAP, OLAF. Tromsøundersøgte echinodermer. (Tromsø, Norway. Museum. Årshefter, 1897, *pub.* 1899. Bd. 20, p. 104-112) *Title tr.:* Echinoderms of Tromsø Sound.

Contains a classified and annotated list of twenty-five species, with tabular presentation of their vertical distribution.

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1543. BIDRAG TIL FINNERNES BYGDEHISTORIE OG ETNOGRAFI. Oslo, A. W. Brøgger, 1934-44. Bd. 1-bd. 2, 1. hefte. bd. 1: 340 p. illus. plates, diags., fold. sketch map; bd. 2, 1. hefte: 136 p. illus., diags., sketch maps (incl. 1 fold.) (Oslo. Universitet. Etnografisk museum. Nordnorske samlinger, 2, 6) *Title tr.:* Contributions to the local history and ethnography of the Lapps.

Contents include in bd. 1, hefte 2. (p. 51-159) Falkenberg, J. Bosetningen ved indre laksefiord i Finnmark optegnelser fra 1938. (Settlements at inner Laksefiord in Finnmark. Gathered in 1938.) Outlines the history of settlement in the inner Laksefiord area, and describes the modern settlements and the way of life of the people. Includes descriptions of Lappish and Norwegian house types, agriculture, and fishing.

Maps include four detail sketch maps showing location of individual dwellings of different types; and folding map, scale about 1:240,000, showing location of villages about the fiord.

Bd. 2, hefte 1: 1, (p. 1-99) Vorren, Ø. Dyregraver og reingjerder i varanger. (Animal pitfalls and reindeer fences in Varanger.) Describes the remains and methods of use of pitfalls and stone fences used in hunting in the Varanger area. Illustrations include thirteen sketch maps showing arrange-

ment and location of pits and fences.

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BIENAIMÉ, AMÉDÉE PIERRE LÉONARD, 1843- , *see* Voyage de La Manche, 1892. 1894.

1544. BIERTHER, WILHELM. Vorläufige Mitteilung über die Geologie des östlichen Scoresbylandes in Nordostgrönland. København, C. A. Reitzel, 1941. 19, [1] p. illus., 2 fold. pl. (map, profiles) (Meddelelser om Grønland. Bd. 114, nr. 6) *Title tr.:* Preliminary report on the geology of eastern Scoresby Land in northeast Greenland.

Results of the Geological Expedition to East Greenland, 1936-38, under Lauge Koch. Description of the stratigraphy, the volcanic rocks and their distribution in the region 72°11'-20'N. 23°-24°20'E., with a note on tectonics. Bibliography (11 items).

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1545. BIERTHER, WILHELM. Zur Geologie des Scoresbylandes. (In: Naturforschende Gesellschaft Schaffhausen. Grönland 1939. *Pub.* in its: Mitteilungen, 1940, *pub.* 1939. Bd. 16, p. 176-78) *Title tr.:* Geology of Scoresby Land.

Brief note on geology of the post-Caledonian sedimentary section of Scoresby Land, East Greenland, which lies between 72°-72°20'N.

Copy seen: DGS.

BIESE, ERNEST, *see* Lemström, S., & E. Biese. Observations faites aux stations de Sodankylä et de Kultala. 1886-98.

1546. BIGELOW, HENRY BRYANT, 1879- . Birds of the northeastern coast of Labrador. Brown-Harvard Expedition of 1900. (Auk, Jan. 1902. v. 19, p. 24-31)

A list, with locations and a few remarks on habits and breeding, of eighty-five species, observed between Belle Isle and Nachvak Fiord (51°53'-59°N.).

Copy seen: DLC.

1547. BIGELOW, HENRY BRYANT, 1879- . Coelenterates from Labrador and Newfoundland, collected by Mr. Owen Bryant from July to October, 1908. (U. S. National Museum. Proceedings, 1910. v. 37, p. 301-320, 3 plates)

Descriptions of eighteen species, none new though providing records "of importance from the standpoint of geographical distribution."

Copy seen: DLC.

1548. BIGELOW, HENRY BRYANT, 1879- . Medusae and Ctenophora. Ottawa, King's Printer, 1920. 22 p. 2 plates. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. H)

List, with descriptions, locations and distribution noted, of seventeen (including one new) species mostly from the arctic coastal waters of Alaska; with a list of specimens taken by the *Neptune*, 1903-04, from Hudson Bay and Strait.

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1549. BIGELOW, HENRY BRYANT, 1879- . Medusae and Siphonophorae collected by the U. S. Fisheries steamer "Albatross" in the northwestern Pacific, 1906. (U. S. National Museum. Proceedings, 1913. v. 44, p. 1-119, illus., 6 plates)

Annotated list of fifty-eight species of medusae and twenty-two siphonophores, of which five species and one variety of the former are new; based on specimens collected from stations (among others) in the North Pacific Ocean, off the Alaskan coast and the Aleutians, and in Okhotsk Sea.

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BIGELOW, HENRY BRYANT, 1879-, see also Delabarre, E. B. Report Brown-Harvard Exped. Labrador 1900. 1902.

1550. BIGMAN, V. IŮ., and V. I. SEM-CHISHIN. Problema ispol'zovaniia olen'eĭ shersti v tekstil'noi promyshlennosti. (Sovetskii Sever, 1932, T. 3, no. 5, p. 97-108, tables) *Title tr.*: Utilization of reindeer hair in the textile industry.

Detailed description of tests carried out by the wool division of the Scientific Research Institute of Textile Industry in utilizing reindeer hair (obtained as a waste product in chamois-leather factories and during the process of hair shedding) for wool yarn and felt.

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1550A. BILBY, JULIAN W. Among unknown Eskimo; an account of twelve years intimate relations with the primitive Eskimo of ice-bound Baffin Land,

with a description of their ways of living, hunting customs & beliefs. London, S. Service & Co., Limited, 1923. 2 p. l., 11-280 p. illus., 15 plates, fold. map.

Contains a general description of Baffin Island, and chapters on Eskimo dwellings, sealing, sport and hunting; the Eskimo women, clothing, boat building, dogs, tribal life, language, and beliefs; with a list of deities.

Copy seen: DLC; NNStef.

1551. BILBY, JULIAN W. Nanook of the North. London, Arrowsmith [1925] 318, [2] p. front., 26 plates.

Story of the life of the typical Baffin Island Eskimo, with illustrations from the film "Nanook of the North" and photographs, by Robert Flaherty.

Copy seen: DLC; NNStef.

1552. BILBY, JULIAN W. A note on Baffin Land, from a letter of the Rev. J. Bilby, of the Missions to Seamen. (Geographical journal, Mar. 1923. v. 61, p. 207-209, sketch map)

Brief note on the general character of the partially mapped country surrounding three large lakes, Nettiling, Tesseyoakjuak and Amadjuak, 64-67° 30'N. 67-77° W., with a map incorporating some of the information supplied by Rev. Mr. Bilby.

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1553. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849-1936. Astronomiske observationer, foretagne i en del af Holstensborgs og Egedesminde distrikter, og undersøgelser over vandets saltholdighed, af J. A. D. Jensen. 1879. (Meddelelser om Grønland, 1881. Bd. 2, p. 195-208 incl. tables) *Title tr.*: Astronomical observations made in the Holsteinsborg and Egedesminde Districts, and research on the salinity of the sea water.

Based on the work of the Expedition to Holsteinsborg and Egedesminde Districts, 1879. Geodetic observations and resultant coordinates for thirty-six places between 66°55'-68°30'N., and surface salinity (vertical measurements for interior of Nagsugtok Fjord), data for five fiords and three places along the coast.

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1554. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849-1936. Astronomiske og meteorologiske observationer tagne paa rejsen i Syd-Grønland 1878. (Meddelelser om Grønland, 1879. Bd. 1, p. 153-64, tables) *Title tr.*: As-

tronomical and meteorological observations taken during the expedition to South Greenland, 1878.

Contains tables of observations for geographic position of twenty places between 62°21'–64°19'N.; meteorological observations (including pressure, air temperature, wind and weather) two or three times daily, July 14–Aug. 6, from various coastal localities and on the inland ice. *Copy seen:* DLC.

1555. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Beretning om en undersøgelse af Grønlands vestkyst (en del af Holstensborgs og Egedesminde distrikter) fra 66°55'–68°30'. (Meddelelser om Grønland, 1881. 2. hefte, p. 113–47, illus., col. fold. map) *Title tr.:* Report of an investigation of the west coast of Greenland 66°55'–68°30'N. (part of the Holstensborg and Egedesminde Districts)

Account of preparations in Holstensborg and the trip from there to Agto (68°N.); description of the physical geography and geology of the region; tables and discussion of geodetic research in Holstensborg and oceanographic observations in Nordre Strømfjord. Summary in French, p. 232. *Copy seen:* DLC.

1556. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Indberetning om den af ham ledede expedition i 1878. (Meddelelser om Grønland, 1879. 1. hefte, p. 17–76, illus., 2 plates, fold. map) *Title tr.:* Report on the Expedition in 1878, led by the author.

Report of a reconnaissance and mapping of the west coast of Greenland from Tiningnertok, 62°15'N., to Ameralik Fiord, 64°15'N., with an excursion upon the inland ice and observations on physical geography, geology and archeology. Summary in French at end of volume. *Copy seen:* DLC.

1557. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Om Grønland i forhold til æronautik. (Geografisk tidsskrift, København, 1929. Bd. 32, p. 4–14, illus., sketch map) *Title tr.:* Greenland in relation to aeronautics.

Account of Hassel and Cramer's projected flight from Canada over Greenland to Europe, in Aug. 1928, their forced landing on Greenland's west coast, difficulties connected with flying in Greenland and possibilities for the future. *Copy seen:* DLC.

1558. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Undersøgelse af Grønlands vestkyst fra 64° til 67°N. B., 1884 og 1885. (Meddelelser om Grønland, 1889. 8. hefte, p. 33–121, illus., 4 plates, 3 fold. maps) *Title tr.:* Research on Greenland's west coast from 64° to 67°N., 1884–1885.

Based on the work of expeditions led by the author in 1884–85, to survey the coast between Holstensborg and Kangæk, including parts of Holstensborg and Godthaab Districts and the entire coast of Sukkertoppen District. Descriptions of the physical features, and the geology of the coastal strip, including mountains, glaciers, streams, the salt lake Tarajornitsok (with water analysis), and the fiords (the arid north shore of Søndre Strømfjord and the fertile south shore; temperature and salinity data for Sermilik, Angmagsivik, and Godthaab Fiords); account of observations on a nunatak, its vegetation fauna and rocks; discussion of the Norse ruins in the Godthaab Fiord region; and a list of over seventy geographic positions and altitudes. Summary in French at end of volume. *Copy seen:* DLC.

1559. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Vandring paa den grønlandske indlandsis i aaret 1878. (Geografisk tidsskrift, København, 1879. Bd. 3, p. 100–107, 2 plates) *Title tr.:* Wandering on the inland ice during the year 1878.

Account of the author's sledge journey on the inland ice (62½°N.) from Frederikshaab Iceblink to the Jensen Nunataks (about 40 miles), during the Danish Expedition to South Greenland, 1878; with description of the inland ice. *Copy seen:* DLC.

1560. BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936. Vandring paa indlandsisen i Sydgrønland paa 62½°N. B.; foreløbig indberetning, afsendt fra Fiskernaesset den 9de august 1878. (Geografisk tidsskrift, København, 1878. Bd. 2, p. 174–81) *Title tr.:* The wandering on the inland ice 62½°N., preliminary report, sent from Fiskernaesset August 9, 1878.

Account of the author's sledge trip on the inland ice, July–Aug. 1878, during the Danish Expedition to Greenland; with description of the inland ice. *Copy seen:* DLC.

BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849–1936, *see also* Steen-

strup, K. J. V., & others. Astronomiske observationer Julianehaab. 1881.

1561. BILIBIN, G. Sur la présence de roches leucitiques dans le bassin du fleuve Kolyma. (Akademiia nauk SSSR. Comptes rendus (Doklady) 1940. n. s., v. 28, no. 1, p. 79-81) *Title tr.*: On the presence of leucitic rocks in the Kolyma River basin.

Succinct report on discovery in 1937, by E. Tarakanov, geologist, and study in 1939, by the author, of leucite-bearing rocks in a region near 67°52'N. 161°39'E.; analysis of leucite crystals, description of rocks of the region.

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1562. BILIBIN, N. K. stat'e t. Bauermana "Ostatki rodovogo ustroistva i totemizma u parenskikh koriakov." (Sovetskii Sever, 1934, no. 2, p. 78-80) *Title tr.*: Concerning C. Bauerman's article "Remains of clan organization and totemism among the Paren Koryaks."

Discussion of the paper: *Sledy totemicheskogo rodovogo ustroistva u parenskikh koriakov*, by K. Bauerman, q.v.

Copy seen: DLC.

1563. BILIBIN, N. U zapadnykh koriakov. (Sovetskii Sever, 1932, no. 1-2, p. 196-218, tables) *Title tr.*: With the western Koryaks.

A sketch of social and economic conditions among Koryaks of the western Kamchatka region. *Copy seen:* DLC.

1564. BILIBIN, N. Zhenshchina u koriakov. (Sovetskii Sever, 1933, no. 4, p. 93-96) *Title tr.*: The woman among the Koryaks.

Description of the position of the woman in a Koryak family, her reaction to Soviet propaganda, etc., based on the author's observations in 1931-32.

Copy seen: DLC.

1565. BILIBIN, U. A. Aktivnaia i passivnaia vechnaia merzlota. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1937. Vyp. 3, p. 409-411) *Title tr.*: Active and passive permafrost.

Contains opposing theories of the origin of permafrost in connection with the passive and active types of permafrost which are now extant. Methods to determine the age of permafrost deposits are given on the basis of vertical and horizontal distribution of the frozen ground.

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1566. BILL, ALLEN. "Down north" to Great Bear Lake, voyaging by air to Canada's new northern mining centre. (Canadian geographical journal, May 1933. v. 6, p. 212-25, illus.)

A journalist's account of the opening up of Great Bear Lake region following the first flight into the area in 1929; his flight to Cameron Bay, description of that community, and of the growth of aerial transportation in Northwest Territories.

Copy seen: DLC.

BILLINGS, JOSEPH, see Chappell, E. Narrative of voyage to Hudson's Bay. 1817.

1567. BILTON, J. H. My first northern patrol. (Royal Canadian Mounted Police quarterly, Oct. 1939. v. 7, p. 126-36)

Trail and camp experiences on a 735-mile patrol. Fort Norman-Cameron Bay, Dec. 1932-Feb. 1933. *Copy seen:* CaOM.

BINAMÉ, A., see Breynat, G., & others. Vicariat apostolique du Mackenzie. 1940.

1568. BING, LARS HESS, 1761-1819. Beskrivelse over kongeriget Norge, øerne Island og Faerøerne, samt Grønland . . . i alphabetisk orden. Kjøbenhavn, Paa agent Gyldendals forlag, 1796. 2 p. l., xvi, 886, [6] p. *Title tr.*: Description of the kingdom of Norway, the islands of Iceland, The Faeroes and Greenland . . . alphabetic arrangement.

Geographical and topographic description including Greenland, p. 210-214; Finnmark, p. 144-52.

Copy seen: DLC; NN.

1569. BINNEY, Sir GEORGE, 1900-. The Eskimo book of knowledge. London, Hudson's Bay Co., 1931. 237, [1] p. front. 8 plates, ports., maps on lining-papers.

Text in English and in Eskimo (Labrador dialect) as translated by W. W. Perrett and S. K. Hutton.

Contains information useful to the Labrador and other Canadian Eskimos, in adjusting to the white man's administration; includes sections on the British Empire, health, and work (trapping, handicrafts, etc.)

Copy seen: DLC; NNStef.

1570. BINNEY, Sir GEORGE, 1900-. Hudson Bay in 1928. (Geographical journal, July 1929. v. 74, p. 1-27, 4 plates, sketch map)

Paper read before the Royal Geographical Society, Feb. 1929, giving

description (in brief) of the ice conditions, harbors, and coastlines of Hudson Strait and Bay and James Bay; and (in greater detail) the present condition and customs of the Eskimos and Indians inhabiting the country around Hudson and James Bays. Discussion, p. 25-27. *Copy seen:* DLC.

1571. BINNEY, Sir GEORGE, 1900- , and others. The Oxford University Arctic Expedition, 1924. (Geographical journal, July-Aug., 1925. v. 66, p. 9-40, 111-34, illus. (maps) 8 plates)

Issued also as Oxford University, *Spitsbergen papers*, v. 2, no. 2-3.

Report on an expedition led by G. Binney to West Spitsbergen and North-east Land during the summer of 1924, using seaplanes and dog-sledges. The narrative includes a "Commentary on Nordenskiöld's account of the interior of North-East Land, with notes on the probable course of his journey," p. 38-40.

Contents: Binney, G. Narrative.

ELTON, C. S. Biology in relation to geography.

SANDFORD, K. S. Geology and glaciology.

TYMMS, F. Meteorology.

TYMMS, F. Aerial navigation.

RELF, E. Magnetic observations.

RELF, E. Wireless.

TYMMS, F. Aerial survey.

Each paper (except Binney's) appears in this Bibliography under its author's name. *Copy seen:* DLC.

1572. BINNEY, Sir GEORGE, 1900- . With seaplane and sledge in the Arctic. London, Hutchinson & Co. [1925] 287 p. front. 39 plates, ports., fold. map.

Narrative, by the leader, of the Oxford University Arctic Expedition's exploration of the icecap of Northeast Land, July-Aug., 1924; its experiment in the use of the seaplane in research, its topographic survey, the geologic, glaciologic, meteorologic, biologic, and geographic studies; the first crossing of Northeast Land. The author describes the "practical and human" side of the expedition, and gives (in appendices) information on the organization and management of expeditions. *Copy seen:* DLC; NNSf.

1573. BINNING, G. Indians of the Yukon. (Royal Canadian Mounted Police quarterly, July 1941. v. 9, p. 64-65)

General notes on present status of the Indians, by the Superintendent of Indian Affairs in Yukon Territory, 1934-38. *Copy seen:* CaOM.

1574. BIRCH, STEPHEN. Geology and mining methods of Kennecott mines. (American Institute of Mining and Metallurgical Engineers. Transactions, 1922-25, pub. 1925. v. 72, p. 499-510)

Description of the ore deposits and methods of the Kennecott Copper Corporation holdings in the Chitina mining district. *Copy seen:* DGS.

1575. BIRD, CHARLES GODFREY, 1913-1942. List of plants collected in 1934 in Jan Mayen Island. (Journal of botany, May 1935. v. 73, p. 121-24)

List, with localities, of thirty-five flowering plants, fifteen mosses, six lichens, eleven marine algae, and three fresh-water algae. *Copy seen:* DA.

1576. BIRD, CHARLES GODFREY, 1913-1942, and E. G. BIRD. The birds of Jan Mayen Island. (Ibis, Oct. 1935. Ser. 13, v. 5, p. 837-55, plate)

Contains annotated list of sixty species, result of a visit, July 8-Aug. 28, 1934. *Copy seen:* DSI-M.

1577. BIRD, CHARLES GODFREY, 1913-1942, and E. G. BIRD. The birds of north-east Greenland. (Ibis, Jan. 1941. Ser. 14, v. 5, p. 118-61, 3 plates, sketch map)

Detailed notes on fifty-eight species of birds based on observations and collections made Aug. 1936-Aug. 1938, along the east coast of Greenland from 71°30'N. northward to Peary Land, especially in the Mackenzie Bay region (Myggbukta) and on Hochstetter Foreland, with a bibliography (12 items). *Copy seen:* DSI-M.

1578. BIRD, CHARLES GODFREY, 1913-1942, and E. G. BIRD. The management of sledge dogs. (Polar record, Jan. 1939. No. 18, p. 180-88)

From thirty months' continuous driving experience with Norwegians, the authors take issue with some of the Greenlanders' and Danes' methods of handling dogs. They discuss the training of dogs, problems of dog fighting, and lead-dog, and give notes on harness. A. R. Glen and G. C. L. Bertram add comments in defense of the English drivers criticized by the Birds. *Copy seen:* DLC.

1579. BIRD, CHARLES GODFREY, 1913-1942, and E. G. BIRD. Some remarks on non-breeding in the Arctic, especially in north-east Greenland. (Ibis. Oct. 1940. Ser. 14, v. 4, p. 671-78)

Discussion of different factors in non-breeding of migratory and non-migratory birds, and the relation of breeding to numbers of lemmings, snow-cover, weather conditions, and light factors.

Copy seen: DSI-M.

1580. BIRD, EDWARD GODFREY. Jan Mayen Island. (Geographical journal, June 1935. v. 85, p. 553-57, 2 plates)

Results of a summer visit in 1934, during which the author did natural history work. Brief notes on skeletal remains of whales, collections of birds and plants, the scarcity of water supply, and (in more detail) corrections to the British Admiralty's map of Jan Mayen, including eight changes of place names.

Copy seen: DLC.

BIRD, EDWARD GODFREY, *see also* Bird, C. G., & E. G. Bird. Birds of Jan Mayen I. 1935.

BIRD, EDWARD GODFREY, *see also* Bird, C. G., & E. G. Bird. Birds of NE. Greenland. 1941.

BIRD, EDWARD GODFREY, *see also* Bird, C. G., & E. G. Bird. Management of sledge dogs. 1939.

BIRD, EDWARD GODFREY, *see also* Bird, C. G., & E. G. Bird. Some remarks on non-breeding. 1940.

1581. BIRD, JUNIUS BOUTON, 1907-. Archaeology of the Hopedale area, Labrador. (American Museum of Natural History, N. Y. Anthropological papers, 1945. v. 39, pt. 2, p. 121-86, illus. (incl. 4 sketch maps) 4 plates)

Based on excavations made in 1934, and on brief visits previously, a detailed account of artifacts from five sites; a summary, and bibliography (22 items).

Copy seen: NNM.

BIRD, JUNIUS BOUTON, 1907-, *see also* Bartlett, R. A., & J. Bird. Bartlett East Greenland Expedition. 1931.

BIRDSEYE, CLARENCE, *see* Cooke, W. M. Labrador bird notes. 1916.

1582. BIRGE, EDWARD ASAHIEL, 1851-, and W. H. RICH. Observations

on Karluk Lake, Alaska. (Ecology, July 1927. v. 8, p. 384)

Note on measurements of this lake on Kodiak Island, and on its temperature.

Copy seen: DA.

1583. BIRGER, SELIM BIRGER GOTTHARD, 1879-. Kebnekaisetraktens flora. Ett bidrag till kännedomen om floran i öfversta delen af Kalixälvens dal. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 2, p. 195-217, illus.) *Title tr.:* The flora of Kebnekaise region. A contribution to the knowledge of the flora of the valley of the upper Kalix River.

Contains a general sketch of the vegetation and a list of about two hundred sixty species of plants collected or observed in the Kebnekaise region in the upper course of the Kalix River in Torne Lappmark (about 67-68°N. 20-22°E.) northeastern Sweden.

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1584. BIRGER, SELIM BIRGER GOTTHARD, 1879-. Om förekomsten i Sverige af *Elodea canadensis* L. C. Rich, och *Matricaria discoidea* D. C. Uppsala & Stockholm, Almqvist & Wiksell, 1910. 32 p. illus. 3 maps. (Arkiv för botanik, 1909-1910, pub. 1910. Bd. 9, no. 7) *Title tr.:* On occurrence in Sweden of *Elodea canadensis* L. C. Rich, and *Matricaria discoidea* D. C.

Contains data on introduction and geographical distribution in Sweden of two exotic grasses, *Elodea canadensis* and *Matricaria discoidea*, both escaped from cultivation, the latter spreading now to Kiruna (67°1'N.) in Torne Lappmark.

Summary in German.

Copy seen: MH.

1585. BIRGER, SELIM BIRGER GOTTHARD, 1879-. Tillägg till Pajala sockens flora. (Botaniska notiser, 1907. p. 69-73) *Title tr.:* Supplement to the flora of Pajala district.

Contains a list of about seventy-five flowering plants from Pajala district in the Muonio region of the province of Norrbotten, northern Sweden.

Copy seen: MH-A.

1586. BIRGER, SELIM BIRGER GOTTHARD, 1879-. Växtlokaler från Norrland och Dalarna. (Svensk botanisk tidskrift, 1909, pub. 1910. Bd. 3, häfte 4, p. 143-54) *Title tr.:* Plant localities in Norrland and Dalarna.

Contains an alphabetic list of about three hundred fifty species gathered by various collectors in Norrland and Dalarne provinces, including many native to Swedish Lapland, with detailed data on local distribution.

Copy seen: MH-A.

1587. BIRGER, SELIM BIRGER GOTTHARD, 1879-. Vegetationen och floran i Pajala socken med Muonio kapellag i arktiska Norrbotten. Stockholm, P. A. Norstedt & Söner, 1904. 117 p. 7 plates. (Arkiv för botanik. Bd. 3, no. 4) *Title tr.:* Vegetation and flora of Pajala and Muonio regions in arctic Norrbotten.

Contains a physical and geographical survey of the region (northern part of the northernmost province of Sweden), general sketch of the flora and its relation to other arctic floras, study of plant associations and a systematic enumeration of three hundred forty species, including *Hieracium praecipitifforme*, *H. pygmaeum* and *H. prolizans* n. sp., collected by the author in the summer of 1902.

Copy seen: MH-A.

1588. BIRÜLIN, G. M., and M. M. SOMOV. Vliianie dreifa na ledovitost' moria Laptevykh. (Problemy Arktiki, 1940, no. 7-8, p. 5-12, illus., tables, diagrs.) *Title tr.:* The effect of drift on the ice conditions of Laptev Sea.

Preliminary conclusions based on observations in Laptev Sea in 1935-39.

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1589. BIRKELAND, BERNT JOHANES, 1879-. Ältere meteorologische Beobachtungen in Vardö. Oslo, Cammermeyer, 1934. 52 p. incl. tables. (Geofysiske publikasjoner. v. 10, no. 9) *Title tr.:* Older meteorological observations from Vardö.

Through the efforts of a number of people in Vardö (70°22'N. 31°08'E.) records of temperature and atmospheric pressure have been kept since 1829 with some interruptions and varying instrumentation, after 1867 observations being made about three times daily, by the Norwegian Meteorological Institute station.

This paper notes the observations, observers, instruments and circumstances during each period; shows monthly means and extremes resulting from each group of observations, including mention of those from Hammerfest,

1839-87, Varanger, 1851-59, Lebesby, 1858-64, and Alten, 1871-1930. Includes full discussion and tabular presentation (27 p.) of the Vardö results, including deviation from the daily mean; monthly means of five, twenty-five, and one hundred-year periods; monthly extremes and deviations.

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1590. BIRKELAND, BERNT JOHANES, 1879-. Mittel und Extreme der Lufttemperatur. Oslo, Cammermeyer, 1936. 155, [1] p. incl. tables, diagrs. (Geofysiske publikasjoner. v. 14, no. 1) *Title tr.:* Mean and extreme of the air temperature.

A statistical work which provides voluminous tabulations of average and extreme values of air temperature and frost data for the network of climatological stations in Norway, West Spitsbergen, Jan Mayen, Bear Island, and two stations on the coast of Greenland. The annual, monthly and diurnal courses, ranges, and variabilities of the temperature, differences between normal values based on both long period and short periods, are the more important of the many aspects of this work. Methods of compiling the observational materials are discussed.

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1591. BIRKELAND, BERNT JOHANES, 1879-. Niederschlagsschwankungen in Norwegen. [Kristiania, Grøndahl & Søn, 1920] p. l., 62 p. incl. tables, plate (diagrs.) (Geofysiske publikationer, v. 1, no. 3) *Title tr.:* Variation of precipitation in Norway.

Contains a statistical analysis of the periodical and aperiodical variation of the monthly amounts of precipitation at twenty Norwegian stations (including five north of the Arctic Circle) during the period 1876-1915. Actual monthly amounts and their departure from normal, according to percentages of the normal amounts annually, are given for each station and each year in the period indicated.

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1592. BIRKELAND, BERNT JOHANES, 1879-. and G. A. R. SCHOU. Le climat de l'Eirik-Raudes-Land. Oslo, J. Dybwad, 1932. 13 p. incl. tables. illus. (incl. 2 maps) Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 51) *Title tr.:* The climate of Erik The Red Land.

Discussion of the climate of King Christian X's Land, East Greenland, over a ten-year period, with a description of the meteorological station at Myggbukta, East Greenland.

Tables: Monthly averages, 1922-32, of atmospheric pressure and temperature; mean monthly values of all elements for the same period, and tables for air temperatures comparative with other regions. *Copy seen:* DLC.

BIRKELAND, BERNT JOHANNES, 1879-, see also Hesselberg, T., & B. J. Birkeland. *Säkulare Schwankungen. 1940-43.*

1593. BIRKELAND, KNUT BERGENSEN, 1857-1925. The whalers of Akutan; an account of modern whaling in the Aleutian Islands. New Haven, Yale University Press, 1926. 4 p. l., 171 p. 16 plates, ports.

Account of the difficulties encountered by the North Pacific Sea Products Co., which operated in Aleutian waters beginning in 1913; description of the whales and the industry of whaling, with notes on the islands and native Aleuts. *Copy seen:* DLC; NNS Stef.

1594. BIRKELAND, KRISTIAN, 1867-1917. Expédition norvégienne de 1899-1900 pour l'étude des aurores boréales. Résultat des recherches magnétiques. Christiania, J. Dybwad, 1901. 2 p. l., 80 p., 1 l. 12 plates (8 fold.) port. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskabelig klasse, 1901. No. 1) *Title tr.:* Norwegian Aurora Expedition, 1899-1900. Results of magnetic research.

Results of the second of a series of three expeditions, organized and led by the author, and financed by the Norwegian government, the University and Scientific Society in Christiania (now Oslo) and private persons. The first expedition in 1897 had no result, the third in 1902-03 had results published as Birkeland's *Norwegian Aurora Polar Expedition*, q.v. All three expeditions had as objective the investigation of the aurora borealis and magnetic disturbances in the polar regions. The Norwegian government built two small observatories near Bossekop on Mt. Haldde (69°57'N. 22°48'E.) at 1000 meters above sea level. There the author directed the second, four-man, expedition, which made the atmospheric elec-

tricity, magnetic, meteorologic and auroral observations in 1899-1900.

Contents tr.: 1. Small magnetic variations simultaneously at Bossekop and Potsdam. Magnetic waves.

2. Electric currents in the upper layers of the atmosphere.

Appendix: Aurora borealis. On the formation of upper clouds.

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1595. BIRKELAND, KRISTIAN, 1867-1917. The Norwegian Aurora Polaris Expedition, 1902-1903. Vol. 1. On the cause of magnetic storms and the origin of terrestrial magnetism. Christiania [etc.] H. Aschehoug & Co. [1908-1913] vi p., 1 l., 801 p. illus., 42 plates (part fold., part double face) tables, diagrs.

Results of the third of a series of expeditions organized and led by the author 1897-1903.

Contents include: Introduction. (Description of the first and second expeditions; and of the auroral stations at Kaafjord in Finmarken, Dyraffjord in Iceland, those in West Spitsbergen and Novaya Zemlya during the third expedition, 1902-03).

Pt. 1. Magnetic storms, 1902-1903. Investigations by means of diurnal registrations from 25 observatories. Chap. 1. Preliminary remarks. Chap. 2. Elementary perturbations. Chap. 3. Compound perturbations. Chap. 4. Concerning the intensity of the corpuscular precipitation in the arctic regions of the earth.

Pt. 2. Polar magnetic phenomena and terrella experiments. Chap. 1. Polar magnetic storms 1882-1883. Chap. 2. Mathematical investigations. Chap. 3. Statistical treatment of magnetic disturbances observed at the Norwegian stations 1902-1903.

Pt. 3. Earth currents and earth magnetism. *Copy seen:* DLC.

1596. BIRKELAND, KRISTIAN, 1867-1917. On a possible crucial test of the theories of auroral curtains and polar magnetic storms. Kristiania, J. Dybwad, 1915. 6 p. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskabelig klasse, 1915. No. 6)

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1597. BIRKELAND, KRISTIAN, 1867-1917. Les orages magnétiques polaires et les aurores boréales. (Académie des Sciences, Paris. Comptes rendus, jan. 4,

1909. T. 148, p. 30-33, illus.) *Title tr.*: Polar magnetic storms and the aurora borealis.

Further note on relation of magnetic disturbances and corpuscular rays from the sun. *Copy seen:* DLC.

1598. BIRKELAND, KRISTIAN, 1867-1917. Sur la cause des orages magnétiques. (Académie des Sciences, Paris. Comptes rendus, sept. 21, 1908. T. 147, p. 539-43, illus.) *Title tr.*: On the cause of magnetic storms.

Note on positive and negative polar storms. *Copy seen:* DLC.

1599. BIRKELAND, KRISTIAN, 1867-1917. Sur les orages magnétiques polaires en 1882-1883. (Académie des Sciences, Paris. Comptes rendus, avril 13, 1909. T. 148, p. 1006-1009, diagrs.) *Title tr.*: On the polar magnetic storms in 1882-83.

Brief indication of the principal traits of the first of eight storms, drawn from data of the First International Polar Year, and illustrating the author's theory of cause of such storms.

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1600. BIRKENGOF, A. L. Iz nablūdeniĭ nad lesnym pokrovom i vechnoi merzlotoi. (Akademiĭa nauk. Komissiiā po izucheniiū vechnoi merzloty. Trudy, 1934. T. 3, p. 41-57) *Title tr.*: Some observations on the forest cover and permafrost.

Contains results of observations on the forest (which occupies about eighty per cent of the Indigirka basin) and its interrelation with permafrost. Distribution of the larch, *Larix dawrica*, effect of cutting forests on the lowering of the upper horizon of permafrost, super saturation of the ground and appearance of thick moss cover is indicated. Causes for dying-out of tree tops and for tree trunk deformation are analyzed. Occurrence of numerous lakes is attributed to the thawing of subterranean ice in treeless spots, devoid of former shading protection.

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1601. BIRKENGOF, A. L. Lesa tšentral'noi chasti poluostrova Kamchatki. Moskva, Izd-vo Akademii nauk, 1938. 220 p., illus., sketch maps, tables, diagrs. (incl. fold). (Akademiĭa nauk SSSR. Sovet po izucheniiū proizvoditel'nykh sil. [Trudy]. Seriiā kamchatskaĭa, vyp. 6) *Title tr.*: The forests of the central section of Kamchatka Peninsula.

Basic work. Gives summary of previously published literature and unpublished manuscripts on Kamchatka forests, and results of the author's participation in the Kamchatka Complex Expedition in 1935. Contains an historical sketch of explorations of forests in the region, p. 13-35; list of trees and bushes growing on Kamchatka Peninsula, p. 36-49; characteristics of forests (their geographical distribution, classification, regularity in spreading, relation between various forest groups, the growing process); dimensions of sample trees; results of analysis of trunk growth of larch, spruce and birch (*Betula ermani*) p. 50-137; natural regeneration and history of formation of forests, p. 138-47; review of wood resources, p. 148-65; characterization of forestry and the timber industry, p. 165-85; need for further investigation of wood resources and improvement of methods of exploitation in relation to fishing, agriculture, and other industrial needs; transportation facilities in Kamchatka, p. 186-89. Bibliography (83 items).

Appendices (p. 195-220): 1. Outline of the course of growth the larch *Larix dahurica*.

2. Physical and mechanical properties of the wood of larch (*L. dahurica* Turcz.) and spruce (*Picea jezoënsis* Sieb. et Zucc.)

3. Results of analyses of the rind of bast fiber (*Salix sachalinensis*).

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1602. BIRKENGOF, A. L. V lesakh tšentral'noi Kamchatki. (Akademiĭa nauk SSSR. Sovet po izucheniiū proizvoditel'nykh sil. Seriiā nauchno-populiarnaiā. Na Kamchatke. 1936, p. 115-30, illus.) *Title tr.*: In the forests of Central Kamchatka.

Narrative describing the trip of a group of the Kamchatka Complex Expedition, 1935, to study the forests of the peninsula.

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1603. BIRKENGOF, A. L. Vechnaiā merzlota i lesnoi pokrov. (in: Akademiĭa nauk SSSR. Komitet po vechnoi merzloty. Sbornik instruktsii i programnykh ukazanii 1938, p. 233-44) *Title tr.*: Permafrost and forests.

Contains brief instructions for observations of the effect of permafrost on forest, both during expeditions and from a stationary base; indicates salient points in description of the state

of the forest, the correlation with permafrost and depth of its upper level; notes possible use of type of forest as an indicator of permafrost conditions.

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1604. BIRKET-SMITH, KAJ, 1893- . Anthropological observations on the Central Eskimos. Copenhagen, Gyldendal, 1940. 121, [2] p. 32 plates on 16 l., diagrs. (Thule Expedition, 5th, 1921-24. Report, v. 3, no. 2)

Contents: Descriptions, measurements and physical characteristics of Caribou, Netsilik, and Iglulik Eskimos, with remarks on diet and health; also discussion of Eskimo origin and racial types. Bibliography, p. 117-21.

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1605. BIRKET-SMITH, KAJ, 1893- . Blandt eskimoer og indianere i Alaska. (Grønlandske selskab. Aarsskrift, 1933-34. p. 112-30, illus.) *Title tr.:* Among Eskimos and Indians in Alaska.

Contains a brief summary of investigations of the Eskimos in Greenland and North America; notes archeological and ethnological accomplishments by the Danish-American expedition to Alaska, 1933. Includes selections of Eskimo folklore.

Copy seen: NN.

1606. BIRKET-SMITH, KAJ, 1893- . The Caribou Eskimos, material and social life and their cultural position. Copenhagen, Gyldendal, 1929. 2 pt. pt. 1: 310 p., illus., fold. map, tables. pt. 2: 419, [2] p. (Thule Expedition, 5th, 1921-24. Report, v. 5)

"Caribou Eskimos is the name which the Fifth Thule Expedition has attached to a group of Eskimo tribes in the southern part of the extensive Barren Grounds west of Hudson Bay." —Introd.

Pt. 2 was issued also as the author's Ph.D. thesis, University of Copenhagen, with the title: *The Caribou Eskimos, their cultural position.*

Contents: Pt. 1. Descriptive part: geographical surroundings, habitation, economic life, communication, clothing and ornament, manufactures and art, social life.

Pt. 2. Analytical part: coast and inland population; cultural position of Caribou Eskimo among Eskimos, among polar peoples; origin and development of Eskimo culture; tables showing (a) distribution of culture elements within

Eskimo culture, including Chukchi and Koryak, (b) distribution of culture elements in Indians of North America and northern Eurasia; bibliography, p. 383-416.

Criticism of the author's views on origin and development of Eskimo culture was published by T. Mathiassen: *Spørgsmaalet eskimo-kulturens oprindelse*, 1929, q.v., also *The question of the origin of Eskimo culture*, 1930, q.v.

Copy seen: DLC.

1607. BIRKET-SMITH, KAJ, 1893- . The Caribou Eskimos, their cultural position. Copenhagen, Gyldendal, 1929. 419, [5] p. incl. illus., tables.

Published as Ph.D. thesis, University of Copenhagen, results of the author's studies among the Caribou Eskimos on the Fifth Thule Expedition, 1921-24, and also issued as the author's *The Caribou Eskimos, material and social life and their cultural position*, pt. 2, q.v.

The thesis issue includes a "summing-up" and "propositions" p. [2-5] at end, not included in the other issue.

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1608. BIRKET-SMITH, KAJ, 1893- . Contributions to Chipewyan ethnology. Copenhagen, Gyldendal, 1930. 113, [1] p., 1 l. illus. (Thule Expedition 5th, 1921-24. Report, v. 6, no. 3)

Contents: Habitation, food communication, dwellings, and clothing, handicrafts, social life, beliefs and mythology, cultural position. Bibliography, p. 111-13.

These chapters set forth data on the social and religious culture of Chipewyans at Reindeer Lake, as communicated to the author by Mgr. A. Turquetil, o.m.i.; material culture of Chipewyans around Churchill River mouth, as observed during the author's sojourn there, July 12-Aug. 11, 1923.

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1609. BIRKET-SMITH, KAJ, 1893- . Eskimoerne, med forord af Knud Rasmussen. København, Gyldendal, Nordisk forlag, 1927. 239, [1] p. illus., fold. map. *Title tr.:* Eskimos, with a foreword by Knud Rasmussen.

Contains a study of the Eskimos' environment, physical and psychological characteristics, language, customs, material culture, social organization, spiritual culture and relation to the white man.

Appendices give a summary of tribal groups, rules of pronunciation, and a bibliography (77 items).

Translation in English was published as *The Eskimos*, 1936.

Copy seen: DLC; NNStef.

1610. BIRKET-SMITH, KAJ, 1893- . Det eskimoiske slægtskabssystem; en analytisk undersøgelse. (Geografisk tidsskrift, København, 1927. Bd. 30, p. 96-111) **Title tr.:** The Eskimo kinship system; an analytical investigation.

Discussion of the prevalence of matriarchate or patriarchate in Eskimo tribes; of marriage, exogamy and group marriage. Also discussion and list of kinship terms.

Summary in English.

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1611. BIRKET-SMITH, KAJ, 1893- . The Eskimos. London, Methuen & Co., Ltd. [1936] xiv, 250 p. 32 plates, maps on front lining-paper.

Translation of his *Eskimoerne*, 1927, q.v., with additions and corrections, a foreword by D. Jenness, and an expanded bibliography (238 items).

Copy seen: DLC; NNStef.

1612. BIRKET-SMITH, KAJ, 1893- . Ethnographical collections from the Northwest Passage. Copenhagen, Gylendal, 1945. 298 p. 189 figs. (Thule Expedition. 5th, 1921-1924. Report, v. 6, no. 2)

Based on collections in the National Museum of Copenhagen, brought back mainly by the Fifth Thule Expedition 1921-24, with some specimens from the *Gjøa* Expedition 1903-1906, and others. The collections were made among groups of Netsilik and Copper Eskimos along the northern coast of Canada and on adjacent islands especially King William and the southern parts of Victoria Island, in roughly the region 87°-118°N. 66°-72°W., altogether providing "an almost complete picture of the material culture of the people along the Northwest Passage."

Contains introductory survey (p. 9-22) of (1) the natural resources of the region in relation to distribution and material culture of its natives; (2) studies and (3) collections by earlier explorers. Detailed descriptions and illustrations of specimens of clothing, hunting implements, sledges, kayaks, etc., dwellings and furnishings, tools, and "objects appertaining to social life and

religion" (games, toys, drums and masks, amulets, etc.) from Netsilik (p. 22-140) and Copper (p. 141-217) Eskimos. Includes discussion (p. 218-86) of the cultural position of these groups based on the foregoing data with remarks on Thule culture and immigration of Eskimos into Greenland. Bibliography (159 items).

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1613. BIRKET-SMITH, KAJ, 1893- . Ethnography of the Egedesminde District, with aspects of the general culture of West Greenland. København, B. Lunos bogtrykkeri, 1924. 5 p. l., 484 p. 300 illus., fold. map. (Meddelelser om Grønland, Bd. 66)

Results of observations and collections made by the author among the Eskimos of the Egedesminde District, July-Aug. 1918, (under auspices of the Committee for carrying on Geological and Geographical Investigations in Greenland) and on various other observations.

Contents: 1. The country and its inhabitants. 2. Finds from dwelling houses and graves. 3. Industries and arts. 4. Habitation, clothing. 5. Communication. 6. Struggle for existence. 7. Manners and customs. 8. Old-fashioned views of life; bibliography, p. 460-73.

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1614. BIRKET-SMITH, KAJ, 1893- . Etnografiske problemer i Grønland. (Geografisk tidsskrift, 1919-20, København, 1920. Bd. 25, p. 179-97, illus. map) **Title tr.:** Ethnographical problems in Greenland.

Contains remarks on (1) Greenland regions, their present and previous Eskimo population; (2) the origin of Eskimo culture (in the Coronation Gulf and Hudson Bay area) and its development; (3) migrations to Greenland; (4) the age of Greenland Eskimo culture (based on finds of stone and iron implements); (5) its regional variations; (6) recommendations for further research.

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1615. BIRKET-SMITH, KAJ, 1893- . Five hundred Eskimo words; a comparative vocabulary from Greenland and Central Eskimo dialects. Copenhagen, Gylendal, 1928. 64 p. fold. map. (Thule Expedition, 5th, 1921-24. Report, v. 3, no. 3)

Contents: Discussion of the dialects of the East Greenland, West Greenland,

Polar, Iglulik, Netsilik, Copper and Caribou Eskimos, p. 5-32. Vocabulary, p. 33-62. Bibliography, p. 63-64.

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1616. BIRKET-SMITH, KAJ, 1893- . Folk wanderings and culture drifts in northern North America. Paper read at the 18. Scandinavian Naturalist Congress. (Société des Americanistes de Paris. Journal, 1930. n. s. t. 22, p. 1-32) Translation of the author's *Folke- og kulturvandring*, 1930, q.v.

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1617. BIRKET-SMITH, KAJ, 1893- . Folke- og kulturvandring i det nordlige Nord-Amerika; foredrag holdt ved det 18. skandinaviske naturforskersmøde i København 1929. (Geografisk tidsskrift, København, 1930. Bd. 33, p. 27-59, sketch map) *Title tr.*: Folk wanderings and culture drifts in northern North America; lecture given at the 18th Scandinavian Naturalist Congress in Copenhagen, 1929.

Translation in English was published as the author's *Folk wanderings and culture drifts*, etc., 1930, q.v.

Discussion of post-Columbian migrations, the cultural development of the North American Eskimo and Indian (including some northern) tribes and of prehistoric Eskimo and Indian cultures. Bibliographical footnotes (121 items).

Summary in English.

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1618. BIRKET-SMITH, KAJ, 1893- . Foreløbig beretning om den dansk-amerikanske ekspedition til Alaska, 1933. (Geografisk tidsskrift, København, 1934. Bd. 37, p. 187-227, illus., sketch map, plates) *Title tr.*: Preliminary report of the Danish American Expedition to Alaska, 1933.

Outline of an archeological and ethnological expedition by the author and Frederica de Laguna, sponsored by the Danish National Museum and the University of Pennsylvania Museum of Philadelphia, in the Prince William Sound region of southeastern Alaska.

Contains (1) account of the trips and excavations at Cordova, the mouth of Copper River, Hawkins Island and in the vicinity of Columbia Glacier; (2) description of archeological objects found; (3) discussion of the material and intellectual culture of the Chugach Eskimos and the Eyak Indians; (4) dis-

cussion of the original culture of the Prince William Sound region.

Summary in English.

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1619. BIRKET-SMITH, KAJ, 1893- . Foreløbigt bidrag til kap Farvelids-trikternes kulturhistorie, paa grundlag af en nyopdaget ruingruppe i Julianehaabdistrikt. (Meddelelser om Grønland, 1917. Bd. 53, p. 1-38, illus., 2 maps (1 double)) *Title tr.*: Preliminary contribution to the cultural history of the Cape Farewell regions; based on a newly discovered group of ruins in the Julianehaab District.

Contains (1) description of ruins of Eskimo houses found on Tugtotoq Island near Julianehaab during the author's and Stephensen's expedition in 1912; and (2) discussion of the origin and development of the culture of the Cape Farewell Eskimos. Bibliography, p. 36-38.

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1620. BIRKET-SMITH, KAJ, 1893- . Fra en rejse i Julianehaabs og Frederikshaabsdistrikter sommeren 1912. (Grønlandske selskab. Aarskrift, 1913. p. 29-37) *Title tr.*: From a trip in the Julianehaab and Frederikshaab Districts during the summer of 1912.

General account of the author's archeological trip with K. Stephensen in 1912; comment on geographic, zoological and ethnographic work in various localities of the two districts; the marine life of the fjords; discovery of Norse and Eskimo ruins, archeological notes.

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1621. BIRKET-SMITH, KAJ, 1893- . Geographical notes on the Barren Grounds. Copenhagen, Gyldendal, 1933. 128 p., 2 l. 45 illus., 2 maps (1 fold. in pocket) (Thule Expedition. 5th, 1921-24. Report. v. 1, no. 4)

Based on travel and study from Feb. 1922 till the summer of 1924 in the tundra west of Hudson Bay (roughly a triangular region lying between Churchill, Repulse Bay and Coronation Gulf). Description of the position and extent of the Barren Grounds, a summary of its exploration, notes on its geomorphology, climate and ice conditions, vegetation and fauna, and description of its topography; with a bibliography (94 items).

Illus. from photographs and author's sketches of land forms, topography, vegetation, etc. *Copy seen:* DLC.

1622. BIRKET-SMITH, KAJ, 1893-. The Greenland bow. (Meddelelser om Grønland, 1918. Bd. 51, p. 1-28, illus.)

Distribution and use of the bow in five areas: Angmagssalik District, southern East Greenland, Cape York District, West Greenland and northern East Greenland; with description of various types of bows; bibliography, p. 26-28. *Copy seen:* DLC.

1623. BIRKET-SMITH, KAJ, 1893-. The Greenlanders of the present day. (In: Greenland. Copenhagen, 1928-29. v. 2, p. 1-207, illus.; v. 3, p. 404)

Contents: Distribution of the Eskimos in Greenland. Conditions of human life: inhabited regions, statistics of the population (age groups, women, matrimonial position), origin and immigration (characteristics, cultural provinces, routes). Physical characteristics: original type, mixture of races. Habitation and clothing: inhabited places, dwellings, furnishing and household implements, clothing. Economic life: hunting, farming, economic cycle, production. Communication: traveling and trading, means of communication (kayak, umiak, wooden boats, sledges, dogs and harness). Home life: manufactures, manners and customs. Bibliography.

Appendix II. The population of Greenland, Dec. 31, 1927, communicated by the government for Greenland.

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1624. BIRKET-SMITH, KAJ, 1893-. Knud Rasmussen som eskimo-forsker. (Geografisk tidsskrift, Kjøbenhavn, 1934. Bd. 37, p. 43-61) *Title tr.:* Knud Rasmussen as an eskimologist. In Danish and English.

Discussion of Rasmussen's publications, dealing largely with his expeditions in Greenland and anthropological studies of Eskimos. *Copy seen:* DLC.

1625. BIRKET-SMITH, KAJ, 1893-. Købmand B. J. Lunds beskrivelse af Grønlaendernes isfangst. (Grønlandske selskab. Aarsskrift, 1931-32. p. 52-55) *Title tr.:* Merchant B. J. Lund's description of the Greenlander's ice catch.

Contents: ethnographic data; description (from 1753) of sealing on the ice; sleds, harpoons and other items used in this manner of seal hunting.

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1626. BIRKET-SMITH, KAJ, 1893-. Liv blandt Hudson bugtens eskimoer.

(Grønlandske selskab. Aarsskrift, 1927-28. p. 75-84, illus.) *Title tr.:* Life among the Hudson Bay Eskimos.

Notes earliest Danish expedition in Canada, 1619-20; accomplishments of Knud Rasmussen's Fifth Thule Expedition; data on Hudson Bay Eskimos; their language; sealing, reindeer and fox hunting; birds and mammals found between 63° and 73°N.; distribution of Eskimos; together with ethnographic, geographic, zoological and other data.

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1627. BIRKET-SMITH, KAJ, 1893-. Nationalmuseets eskimosamlinger. (Grønlandske selskab. Aarsskrift, 1939, pub. 1940. p. 114-22, illus.) *Title tr.:* The Eskimo collections in the National Museum.

Describes ethnographic collections from Greenland, Alaska and Canada.

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1628. BIRKET-SMITH, KAJ, 1893-. Naturmennesker. Kjøbenhavn, Chr. Erichsen, 1934. 2 pt.: 199, 184 p. illus., col. plates. *Title tr.:* Primitive peoples.

Contents: a general description of peoples of the world still in the primitive state. Includes chapters on the Eskimos (pt. 1, p. 58-76), and on the Laplanders and the Siberian reindeer nomads (pt. 2, p. 167-83).

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1629. BIRKET-SMITH, KAJ, 1893-. Overkøbmand N. C. Geelmuydens beskrivelse af kajacken og dens udstyr. (Grønlandske selskab. Aarsskrift, 1932-33. p. 225-28) *Title tr.:* Chief trader N. C. Geelmuyden's description of the kayak and its equipment.

Contents: a brief biography of Niels Christian Geelmuyden (1706-1770); describes the kayak, its outfitting, hunting weapons, manner of hunting birds and seals, etc.

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1630. BIRKET-SMITH, KAJ, 1893-. Physiography of West Greenland. (In: Greenland. Copenhagen, 1928. v. 1, p. 423-90, illus., 3 sketch maps, diags.)

Contents: Natural qualifications of scenery: structure of the country, internal agencies, erosion. Morphology of land-forms: surface relief, drainage, the coast, ice as a feature of scenery, history of topographical development. Topographical types and natural provinces. Bibliography. *Copy seen:* DLC.

1631. BIRKET-SMITH, KAJ, 1893- . Preliminary report of the Fifth Thule Expedition: physical anthropology, linguistics, and material culture. (International Congress of Americanists. 21st, Göteborg, 1924. *Compte-rendu*. Göteborg, 1925. part 2, p. 190-205, 8 illus., map)

Contains a summary of the personnel, routes, and ethnological results of the Fifth Thule Expedition, 1921-24, among the Netsilik, Iglulik, Copper and Caribou Eskimos. Includes brief description of tribal divisions and population, physical anthropology, linguistics, and material culture, with special discussion of the Caribou Eskimo culture as a possible survival of a Proto-Eskimo culture, and sketch of author's opinion of Eskimo origins.

Map, scale about 1:15,000,000, shows tribal names, distribution of certain linguistic traits and archeological sites of the expedition, from Hudson Bay to Greenland, inclusive.

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1632. BIRKET-SMITH, KAJ, 1893- . Professor, Dr. H. P. Steensby. (Grønlandske selskab. Aarsskrift, 1920-1921. p. 23-26, illus.) *Title tr.:* Professor Dr. H. P. Steensby.

Obituary of Hans Peder Steensby, with outline of his life 1875-1920, his contributions to ethnology and anthropogeography of the Polar Eskimos, origin of Eskimo culture, Norsemen's voyages to America, etc.

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1633. BIRKET-SMITH, KAJ, 1893- . The question of the origin of Eskimo culture: a rejoinder. (American anthropologist, 1930. New ser., v. 32, p. 608-624)

Comments on T. Mathiassen: The question of the origin of Eskimo culture, q.v.

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1634. BIRKET-SMITH, KAJ, 1893- . Rejse- og teltliv i Nord-Grønland; den etnografiske ekspedition til Egedesminde-distrikt, 1918. (Geografisk tidsskrift, 1919-20, København, 1920. Bd. 25, p. 11-25, illus., sketch map) *Title tr.:* Traveling and camping in North Greenland; the Ethnographical Expedition to Egedesminde District, 1918.

Accounts of trips taken in the fiords of the Egedesminde District, West Greenland.

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1635. BIRKET-SMITH, KAJ, 1893- . Skaergaardsfarter i Sydgrønland. Fra den zoologiske ekspedition til Julianehaabs og Frederikshaabs distrikter 1912. (Geografisk tidsskrift, 1913-14, København, 1914. Bd. 22, p. 15-26, illus., sketch map) *Title tr.:* Journeys along the coast of South Greenland. From the Zoological Expedition to Julianehaab and Frederikshaab Districts, 1912.

Accounts of trips taken to Kvane-fjord, Bredefjord, and other fiords in southwest Greenland 66°-62°N.; with descriptions of the region.

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1636. BIRKET-SMITH, KAJ, 1893- . Skraelingerne i Vinland og eskimoernes sydost-graense. (Geografisk tidsskrift, 1917-18, København, 1918. Bd. 24, p. 157-67, sketch map) *Title tr.:* The "skraelings" in Vinland and the Eskimos' southeastern limits.

Discussion of Eskimo or Indian identity of "skraelings" the indigenous people encountered in "Vinland" according to the sagas; also discussion of possible early occurrence of Eskimos in the St. Lawrence Gulf region.

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1637. BIRKET-SMITH, KAJ, 1893- . Spørgsmaalet om Eskimo-kulturens oprindelse: afsluttende bemærkninger. (Geografisk tidsskrift, København, 1930. Bd. 33, p. 161-68) *Title tr.:* The question of the origin of the Eskimo culture: concluding remarks.

Answer to Mathiassen's Spørgsmaalet om eskimokulturens oprindelse: et gensvar, a.v. and concluding remarks in the Birket-Smith-Mathiassen controversy regarding the origin of Eskimo culture and the cultural position of the Caribou Eskimos.

Summary in English.

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1638. BIRKET-SMITH, KAJ, 1893- . Spørgsmaalet om eskimo-kulturens oprindelse: et svar. (Geografisk tidsskrift, København, 1929. Bd. 32, p. 222-39) *Title tr.:* The question of the origin of Eskimo culture. An answer.

Answer to Therkel Mathiassen's Spørgsmaalet om eskimokulturens oprindelse, q.v., defending the author's theories on the cultural position of the Caribou Eskimos.

Summary in English.

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1639. BIRKET-SMITH, KAJ, 1893- . Über die Herkunft der Eskimos und ihre Stellung in der zirkumpolaren Kulturentwicklung. (Anthropos, Ephemeris, 1930. Bd. 25, p. 1-23, 2 illus., maps) *Title tr.*: On the origin of the Eskimos and their place in the circumpolar development of culture.

A broad presentation of the author's theories concerning the original hearth and subsequent spreading of Eskimo culture: brief sketch of the history of scientific knowledge of the Eskimos; analysis of racial, linguistic, and cultural relationships; and a reconstruction of Eskimo prehistory from a supposed origin in the Lake Athabaska-Great Slave Lake area, development of a distinctive Eskimo pattern in the Coronation Gulf area, coastwise spread from there, and growth of a "neo-Eskimo" culture in the Bering Strait area. Includes correlations with Indians and Eurasiatic cultures.

Maps: (1) present and past distribution of Eskimos; (2) distribution of types of Eskimo culture, classified on the basis of hypothetical culture sequences; and location of hypothetical Eskimo culture hearths.

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1640. BIRKET-SMITH, KAJ, 1893- . Vitus Bering og hans rejser. (Geografisk tidsskrift, Kjøbenhavn, 1928. Bd. 31, p. 131-38) *Title tr.*: Vitus Bering and his voyages.

Brief biographical sketch of Bering and account of his participation in the Russian exploratory arctic expeditions from 1725 till his death in 1741.

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1641. BIRKET-SMITH, KAJ, 1893- , and FREDERICA DE LAGUNA. The Eyak Indians of the Copper River delta, Alaska. København, Levin & Munksgaard, E. Munksgaard, 1938. 591, [1] p., 1 l. illus., 18 plates (incl. maps) on 9 l., fold. geneal. tab.

Results of an archeological and ethnological expedition to Prince William Sound in the summer of 1933, sponsored by the Danish National Museum (represented by Dr. Birket-Smith) and by the University of Pennsylvania Museum (represented by Dr. De Laguna). In addition to field interviews and observations, the authors used unpublished data from W. R. Abercrombie, and detailed data from published sources.

Contains: Introduction (p. 7-14) with remarks on background of the study and informants;

Part 1 (p. 17-242). Description of Eyak ethnology, including detailed data on material, social, and intellectual culture (village sites, use of dogs, hunting, potlatch, shamanism, etc.)

Part 2 (p. 242-323). Eyak folklore, including texts (in English) of legends and myths;

Part 3 (p. 327-61). Critical analysis of previous writers on the Eyaks, particularly in regard to confusion concerning Eyak identity, nomenclature, and distribution;

Part 4 (p. 367-533). Analysis of Eyak ethnology, particularly an analysis of the distribution in northwestern North America and northeastern Asia of individual culture traits similar to those of the Eyak, and including a summary of indicated cultural affiliations and culture stages in relation to neighboring Tlingit, Eskimo, and Athapaskan cultures;

Appendix 1 (folding inset). Genealogical table of Eyak informants.

Appendix 2 (p. 535-71). Eyak vocabulary, including notes on grammar.

Bibliography, p. 573-91.

Plates include pictures of people, landscapes, and artifacts.

Maps: (1) Alaska, showing location of Eyak territory; (2) territory known to Eyaks, scale about 1:200,000; (3) territory inhabited by Eyaks, scale about 1:650,000.

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1642. BIRKET-SMITH, KAJ, 1893- , and THERKEL MATHIASSEN. Foreløbig beretning om Femte Thule-ekspedition fra Grønland til Stillehavet. (Geografisk tidsskrift, 1923-24, Kjøbenhavn, 1924. Bd. 27, p. 192-208, illus., map) *Title tr.*: Preliminary report of the Fifth Thule Expedition from Greenland to the Pacific Ocean.

Contains discussion (by K. Birket-Smith, p. 192-200) of distribution of Eskimo tribes in eastern Canada south of Lancaster Sound, their physical characteristics, language and material culture.

Discussion (by T. Mathiasen, p. 201-208) of archeological investigations made to study the development of Eskimo culture and the migration of Eskimos to Greenland.

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BIRKET-SMITH, KAJ, 1893-, see also Bogoraz, V. G. *Sotšial'nyi stroi amerikanskikh éskimosov. 1936.*

BIRKET-SMITH, KAJ, 1893-, see also Rasmussen, K. J. V. *Fra Grønland til Stillehavet. 1925.*

BIRKET-SMITH, KAJ, 1893-, see also Rasmussen, K. J. V. *Mindeudgave. 1934-35.*

1643. BIRSTEIN, J. Die Land- und Süßwasser-Isopoden des arktischen Gebietes. (*In: Fauna arctica, 1933. Bd. 6, p. 471-76*) *Title tr.:* The land and fresh-water Isopoda of the arctic region.

List, with synonymy and distribution, of six species of these crustaceans from circumpolar lands; a discussion of the causes for the scarcity of such species in the Arctic, and a bibliography (21 items). *Copy seen:* DA.

BIRULIA, A. A., see Biälynitskii-Biruliä, Alekseï Andreevich, 1864-1937.

BIRULIA, N. A., see Biälynitskii-Biruliä, Nikolaï Andreevich, 1881-1905.

BIRULIA-BIÄLYNITSKII, A. A., see Biälynitskii-Biruliä, Alekseï Andreevich, 1864-1937.

BIRULIA-BIÄLYNITSKII, N. A., see Biälynitskii-Biruliä, Nikolaï Andreevich, 1881-1905.

1644. BISCHOFF, H. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 29. Bombinæ. (Hymen.). [Stockholm, 1930] 6 p. (Arkiv för zoologi. Bd. 21A, no. 19) *Title tr.:* Entomological results of the Swedish Kamchatka Expedition, 1920-22. 29. Bombinæ. (Hymen.)

Annotated list, with localities, of twelve species and subspecies of bumble bees, including descriptions of two new subspecies. *File seen:* DSI-M.

1645. BISHOP, HARLOW. The Austin collection from the Labrador coast. (Rhodora, Mar. 1930. v. 32, p. 59-62)

On the botanical collection made during Oliver L. Austin's bird-banding expedition in 1928, from latitude 52°15' to 57°N.; general notes on vegetation and list, with localities and notes, of sixteen species of flowering plants. *Copy seen:* DA.

1646. BISHOP, LOUIS BENNETT, 1865-. Descriptions of three new birds from Alaska. (Auk, Apr. 1900. v. 17, p. 113-20)

Based on a collection of birds secured in 1899 by a party of the U. S. Biological Survey. *Copy seen:* DSI-M.

1647. BISHOP, LOUIS BENNETT, 1865-. Ornithological notes from Point Barrow, Alaska. (Field Museum of Natural History, Chicago. Publications; zoological ser., July 1944. v. 29, p. 181-90; Publication no. 560)

Notes on forty-nine species of birds collected for the Museum, over a period of several years, by C. D. Brower, a resident of Point Barrow.

Copy seen: DSI-M.

1648. BISHOP, LOUIS BENNETT, 1865-. The status of the Point Barrow gull. (Condor, July 1927. v. 29, p. 204-205)

The author states the case (with measurements) for *Larus barrovianus* as a valid sub-species.

Copy seen: DSI-M.

BISHOP, LOUIS BENNETT, 1865-, see also Bailey, A. M., & others. Birds Pt. Barrow. 1933.

BISHOP, LOUIS BENNETT, 1865-, see also Osgood, W. H., & L. B. Bishop.

Results of biol. reconnaissance Yukon R. region. 1900.

1649. BISKE, S. F. Rel'ef i chetvertichnye otlozheniä Pechengskogo raiona. (Leningrad. Vsesoiuznoe geograficheskoe obshchestvo. Izvestiä, 1946. T. 78, vyp. 5-6, p. 545-60, illus.) *Title tr.:* The relief and Quaternary deposits of Pechenga region.

Geological description of the region around Pechenga (formerly Petsamo) on the western fringe of the Kola Peninsula (68°5'-69°48'N. 28°26'-31°40'E.) Bibliography, p. 559-60.

Copy seen: DLC.

1650. BISSET, CHARLES BARRON. Geological notes, British Arctic Expedition, 1925. (*In: Worsley, F. A. Under sail in the frozen North, 1927. p. 278-89*)

Results of "desultory" research, the author states; includes information however on Chermiside Island and the islands between Northeast Land and Franz Josef Land.

Copy seen: DLC; NNStef.

1651. BISSET, CHARLES BARRON. Geological notes on North-East Land and Franz Josef Land. British Arctic Expedition of 1925. (Edinburgh Geological Society. Transactions, 1928-29, pub. 1930. v. 12, p. 192-206)

Description of rocks, based on the author's observations on the east coast of Chermiside Island, Northeast Land, and on Franz Josef Land, with remarks concerning the size and position of the three islands lying between the two archipelagos: Great Island (Storøya), Gilles, or Giles White Island (Kvitøya), and Victoria Island (ostrov Viktoriya). *Copy seen:* DGS.

1652. BISSET, CHARLES BARRON. Observations on material from the sea-floor, Barents Sea and Arctic Ocean. British Arctic Expedition of 1925. (Edinburgh Geological Society. Transactions, 1928-29, pub. 1930. v. 12, p. 207-212)

Discussions of the oxidizing action of sea water on the pebbles, description of the muds, and remarks on their distribution. *Copy seen:* DGS.

1653. BISTRUP, AAGE. Ederfuglens saga i Grønland. (Dansk ornithologisk forening. Tidsskrift, Okt. 1925. Aarg. 19, p. 43-54) *Title tr.:* The saga of the eider duck in Greenland.

Notes on the eider's breeding grounds in West Greenland, the production of down, the use of its eggs, and shelters made for the ducks; with discussion of its importance and conservation. *Copy seen:* DSI-M.

1654. BISTRUP, ANNA. Lidt om grønlandske husmoderskoler. (Grønlandske selskab. Aarsskrift, 1910-11. p. 83-89) *Title tr.:* A few words on Greenlandic schools for housewives.

Retort to suggestion that Greenlandic girls be sent to schools in Denmark or Greenland, pointing out advantages of school in Greenland, with recommendations on its organization and curriculum in housekeeping skills. *Copy seen:* NN.

1655. BISTRUP, HENNING AUGUST ØSTERBERG, 1879- . A day in North Greenland; a rectification. (Geografisk tidsskrift, København, 1938. Bd. 41, p. 153-57, sketch maps)

Challenge of Laue Koch's *A day in North Greenland*, q.v., claiming that many details appearing on Koch's new

map of North Greenland appeared on the map resulting from the *Danmark Expedition*, 1906-1908. Appended to this paper (p. 158-61) is Koch's *Reply to H. Bistrup: A day in North Greenland*, and concluding remarks by both.

Copy seen: DLC.

1656. BISTRUP, HENNING AUGUST ØSTERBERG, 1879- . Fra ulykkesåret 1777 ved Grønlands østkyst; en grønlanders, fra forfædrene stammende, beretning om nogle forlistes ankomst og ophold ved en boplads i nærheden af Nanortalik i Sydgrønland. (Geografisk tidsskrift, København, 1931. Bd. 34, p. 213-22) *Title tr.:* From the unhappy year 1777 on Greenland's east coast; a Greenlander's account, handed down by his ancestors, of the arrival and sojourn of some shipwrecked persons at a place near Nanortalik in South Greenland.

Translation of a manuscript in the collection of Commodore C. O. E. Normann, published in the Greenland magazine *Atuagagdliutit*, 1882. It gives an account of the survivors from the wreck of Dutch and Hamburg whalers on the east coast of Greenland in 1777 (described in Normann's *En rejse langs Grønlands østkyst*, 1878, q.v.); also texts of two reports from the colonial manager at Godthaab, mentioning survivors arriving there. *Copy seen:* DLC.

1657. BISTRUP, HENNING AUGUST ØSTERBERG, 1879- . Kommissionens historie, 1878-1943. København, C. A. Reitzel, 1943. 91, [1] p. (Meddelelser om Grønland. Bd. 134, nr. 1) *Title tr.:* The history of the Commission, 1878-1943.

Contains account of events (connected with Nordenskiöld's finding of "meteorites" in Greenland) leading up to Professor Frederik Johnstrup's appointment as leader of Geological Investigations in Greenland, 1876, and the establishment in 1878, of the Commission for the Direction of Geological Investigations in Greenland, which was changed in 1879, to Commission for the Direction of Geological and Geographical Investigations in Greenland, dissolved in 1931 and simultaneously changed to Commission for the Direction of Scientific Investigations in Greenland. Includes discussion of the purposes and functions of the Commis-

sion: to send out expeditions and publish their results in *Meddelelser om Grønland*; with remarks on other publications; also list of chairmen and members and texts of thirty-one documents relating to the Commission. Summary in English. *Copy seen: DSI-M.*

1658. BISTRUP, HENNING AUGUST ØSTERBERG, 1879- . Tidal observations in Danmarks Havn October 3rd 1906- March 2nd 1907. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 1, nr. 3. (Meddelelser om Grønland, 1913. Bd. 41, p. 427-55 incl. tables, diags.)

Observations made at the winter quarters of the *Danmark* expedition at Danmarks Havn about 76°46'N. 18°45'W.

Copy seen: DLC.

BISTRUP, HENNING AUGUST ØSTERBERG, 1879- , *see also* Denmark. Kommissionen for videnskabelige undersøgelser i Grønland. Fortegnelse over Meddelelser om Grønland. 1938.

BISTRUP, HENNING AUGUST ØSTERBERG, 1879- , *see also* Rasmussen, K. J. V. Knud Rasmussen og Grønlandsmonopolet. 1936.

BISTRUP, HENNING AUGUST ØSTERBERG, 1879- , *see also* Thostrup, C. B. Danmark-ekspeditionens nekrologer. 1936.

1659. BITRIKH, A. A. Kol'sko-Kemskii kraĭ, ego priroda i lesa. (Vsesoiŭznoe geograficheskoe obshchestvo. Izvestiia, 1918, T. 54, p. 15-26) *Title tr.:* The Kola-Kem' region, its nature and forests.

A sketch, based on personal knowledge, of the mountains, rivers and lakes, geology, coasts, administrative divisions, climate, forests, and vegetation zones of the Kola Peninsula and the region west of the White Sea.

Copy seen: DLC.

1660. BITRIKH, A. A., and S. N. NEDRIGAILOV. Lesa severo-zapadnoi oblasti SSSR. Chast' 1. Estestvenno-istoricheskii ocherk. (Akademiia nauk SSSR. Komissiiia dlia izucheniia estestvennykh proizvoditel'nykh sil Rossii. Materialy. No. 51. Les, ego izuchenie i ispol'zovanie. Vtoroi lesnoi sbornik promyshlenno-geograficheskogo otdela K.E.P.S., 1924. p. 5-104, illus.) *Title tr.:* Forests of the northwestern region of the U.S.S.R. Part 1. Natural history survey.

Contains a study of the forests and forestry of the northwestern region of U.S.S.R., including Kola Peninsula, with information on the relief, climate, water supply, characteristics of the forest and statistical data of economic interest on the various sections.

Copy seen: NNBG.

1661. BITTER, GEORG. Zur Morphologie und Systematik von *Parmelia*, Untergattung *Hypogymnia*. (Hedwigia, 1901. Bd. 40, Hefte 3-5, p. 171-274, illus. plates 10-11) *Title tr.:* On morphology and systematics of the subgenus *Hypogymnia* of the genus *Parmelia*.

Contains keys to the species of *Parmelia* of the subgenus *Hypogymnia* and an enumeration of nineteen species of this lichen with extensive data on their morphology and taxonomy; includes a few native to arctic Scandinavia.

Copy seen: MH-A.

BITTNER, ALEXANDER, 1850- , *see* Mojsisovics v. Mojsvar, E. & others. Arktische Triasfaunen. 1886.

1662. BIZOZZERO, OSCAR. Mit Ski und Schlitten in Spitzbergen 1937. (Die Alpen, Nov. 1939. Bd. 15, p. 412-18, 2 plates, sketch map) *Title tr.:* With ski and sledge in Spitzbergen 1937.

Popular account of a four-man, man-drawn sledge trip in Sørkaap Land (southern West Spitzbergen).

Copy seen: DLC.

1663. BJERKAN, PAUL. Ascidien. Kristiania, A. W. Brøgger, 1908. 11 p. plate. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3 (no. 14))

List, with synonymy, localities and some descriptions of six (including one new) species of this order of tunicates from Smith Sound and Jones Sound.

Copy seen: DLC.

1664. BJERKAN, PAUL. Die Ascidien des nördlichen Norwegens. (Tromsø, Norway. Museum. Årshefter, 1902, pub. 1908. Bd. 25, p. 49-118, plate) *Title tr.:* Ascidians of northern Norway.

Based on collections made by various persons and voyages, this work cites only those localities recorded as new since the publication of R. Hartmeyer, *Die Ascidien der Arktis*, 1903, q.v. It contains a classified list of forty-six (including one new species of

tunicates, with special attention to synonymy, taxonomic relations and localities; includes a table giving an historical summary of forms from the area, showing old and new nomenclature and authors who used such names; a summary of local species common to the various zones of the Arctic and sub-Arctic; some biological notes; and a bibliography (35 items).

Copy seen: DLC; DSI-M.

1665. BJERKAN, PAUL. Ascidien von dem norwegischen Fischereidampfer "Michael Sars" in den Jahren 1900-1904 gesammelt. Bergen, J. Grieg, 1906. 29 p. 3 plates, tables. (Bergen, Norway. Museum. Aarbok, 1905. No. 5) *Title tr.:* Ascidians collected by the Norwegian fishery steamer *Michael Sars* 1900-1904.

Contains a list, with locations and notes on depth and character of bottom, of twenty-eight (including three new) species of tunicates, of which fourteen (one new) were found in Norwegian arctic waters, Greenland Sea and Svalbard waters, 1900-1901.

Copy seen: DLC.

BJERKNES, CARL ANTON, 1825-1903, *see* Ekman, V. W. On influence of earth's rotation on ocean-currents. 1905.

1666. BJERKNES, JAKOB, 1897- , and H. SOLBERG. Life cycle of cyclones and polar front theory of atmospheric circulation. [Kristiania, Grøndahl & søn, 1922] 18 p. diags. (Geofysiske publikationer, v. 3, no. 1)

Copy seen: DLC.

BJERKNES, JAKOB, 1897- , *see also* Amundsen, R. E. G., & others. Amundsen-Ellsworths polfylvning. 1925.

BJERKNES, JAKOB, 1897- , *see also* Amundsen, R. E. G., & others. My polar flight. 1925.

BJERKNES, JAKOB, 1897- , *see also* Amundsen, R. E. G., & others. Our polar flight. 1925.

BJERKNES, VILHELM FRIMAN KOREN, 1862-1951, *see* Ekman, V. W. On dead water. 1906.

BJERKNES, VILHELM FRIMAN KOREN, 1862-1951, *see also* International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

1667. BJÖRCK, WILHELM, 1888- , Die Schizopoden des Eisfjords. Stockholm, Almqvist & Wiksell, 1916. 10 p. tables, map. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2, [Heft] 6. *Pub.* as Svenska vetenskaps-akademien. Handlingar. Bd. 54, no. 6) *Title tr.:* The schizopodes of Ice Fiord.

List, with localities and notes of distribution, of seven species of this order of crustaceans collected from Ice Fiord, West Spitsbergen. *Copy seen:* DLC.

1668. BJÖRKDAL, ERIK. Trekk av meteorologiens historie i Norge. (Norsk geografisk tidsskrift, 1942-43, *pub.* 1943. Bd. 9, p. 289-320, illus. charts, diags., facsim.) *Title tr.:* Passages from the history of meteorology in Norway.

Notes private meteorological observations and investigations from 1770; establishment of the official Norwegian Meteorological Institute in 1866; Professor Henrik Mohn's contribution as head of the institute, 1866-1913; service to navigators, aviators, fishermen and farmers; contribution of Professor Vilhelm Bjerknes. Discusses polar air currents and their influence on weather conditions in other parts of the globe; notes establishment of magnetic observatory at Haldde in Finnmark, and the meteorological station at Tromsø on the west coast of northernmost Norway. Includes meteorological chart of polar front on Sept. 5, 1902.

Copy seen: NN.

1669. BJÖRCKMAN, GUNNAR, and G. E. DU RIETZ. Associationernas succession i norra Lule Lappmarks subalpina högmossar. (Botaniska notiser, 1923, häfte 2, p. 128-32) *Title tr.:* Succession of alpine associations of highland mosses in northern Lule Lappmark.

Contains a general survey of moss associations typical for this region of northern Sweden, characteristic mosses, and a table with a scheme of succession of moss vegetation in the Suorvao mountain region.

Copy seen: MH-Z.

1670. BJÖRCKMAN, SVEN O. *Melandrium angustifolium* (Rupr.) Walp. anträffad i Muddus nationalpark. (Svensk botanisk tidskrift, 1947. Bd. 41, häfte 2, p. 309-331) *Title tr.:* *Melan-*

drium angustifolium (Rupr.) Walp. found in Muddus National Reserve, Sweden.

Contains a report of the discovery of *Melandrium angustifolium*, a rare herb for Sweden, in two localities in Muddus National Park, Lule Lappmark, 150 km. south of Abisko, Torne Lappmark; the only Swedish localities hitherto known.

Summary in English.

Copy seen: MH-A.

1671. BJÖRLING, JOHAN ALFRED, 1871-1892. A few new localities for some plants in Spitsbergen. (In: Nordenskiöld, G. E. A. Report of the Swedish Expedition to Spitsbergen, 1890, pub. 1933, p. 69)

Translation of *Några nya lokaler för en del kärlväxter på Spetsbergen*, q.v.

Copy seen: DLC.

1672. BJÖRLING, JOHAN ALFRED, 1871-1892. Några nya lokaler för en del kärlväxter på Spetsbergen. (In: Nordenskiöld, G. E. A. Redogörelse för Den svenska expeditionen till Spetsbergen, 1890. Bihang 2. Pub. in Svenska vetenskapsakademien. Handlingar. Bihang, 1892. Bd. 17, afd. 2, no. 3, p. 75-76)

Published in English as *A few new localities for some plants in Spitsbergen*. List of thirty species with localities only.

Copy seen: DLC

1673. BJÖRLING, JOHAN ALFRED, 1871-1892. En resa till Grönland sommaren 1891. (Ymer, 1891. Årg. 11, p. 151-73) *Title tr.*: A journey to Greenland during the summer 1891.

Account of a trip in a rowboat along the west coast of Greenland north of Upernavik, undertaken to map part of the coast and to make botanical and hydrographical investigations; also descriptions of islands and mountains along the coast.

Copy seen: DLC.

1674. BJØRLYKKE, BJØRN, 1909- Some vascular plants from South East Greenland collected on the "Heimen" expedition in 1931. Preliminary report. Oslo, J. Dybwad, 1932. 8 p. map. (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 43)

List, with localities, of thirty-nine species.

Copy seen: DLC.

1675. BJØRN, ANATHON, 1897- Nye boplassfund fra yngre stenalder i

Finnmark. Oslo, H. Aschehoug & Co.; Cambridge, Mass., Harvard University Press; [etc., etc.] 1930. 54 p. 3 plates. (Instituttet for sammenlignende kulturforskning. [Publikasjoner] ser. C II-3) *Title tr.*: New finds of dwelling-places from the younger stone age in Finnmark.

Describes briefly artifacts of Upper Paleolithic type found by Nummedal in ancient dwelling sites in northern Finnmark, 1925-27, and discusses at length the time and culture relations of these finds.

Copy seen: DSI.

1676. BJØRNBO, AXEL ANTHON, 1874-1911. Cartographia groenlandica. [København, C. A. Reitzel, 1912] 4 p. l., [v]-xv, 332 p. illus. (incl. ports.) 68 maps. (Meddelelser om Grønland. Bd. 48)

Contains (1) historical account of the discovery, exploration and colonization of Greenland, 982-1907; (2) discussion and reproductions of early maps of Greenland and the arctic regions prepared during the period 1000-1576.

Copy seen: DLC.

1677. BJØRNBO, AXEL ANTHON, 1874-1911. Polarforskningen og den historiske kritik. (Geografisk tidsskrift, 1909-1910. København, 1910. Bd. 20, p. 17-23; 58-64; p. 105-111; p. 281-90) *Title tr.*: Arctic research and its judgment by history.

Criticism of arctic research, its contemporary evaluation, lack of organization and international cooperation, etc.; with special emphasis on the results of the Peary Expedition, 1905-1906; remarks on acculturation of Eskimos. Historical account of arctic exploration; the Norsemen, 982-1500; sea expeditions, 1500-1721; investigations of land areas and the new colonization, 1721-1818.

Copy seen: DLC.

1677A. BJØRSTAD, ERLING. Generalmajor Per Schjelderup Nissen som kartograph og geograf. (Norsk geografisk tidsskrift, 1944-45, pub. 1945. Bd. 10, p. 1-15) *Title tr.*: Major General Per Schjelderup Nissen as cartographer and geographer.

Notes his cartographic work and writings. Includes list of his books, articles on, and maps of Lofoten, Finnmark and northern Norway.

Copy seen: NNA.

BLACK, Mrs. GEORGE, *see* Black, Martha Louise (Munger) Purdy, Mrs. George Black.

1678. BLACK, MARTHA LOUISE (MUNGER) PURDY, Mrs. GEORGE BLACK, 1866- . My seventy years, by Mrs. George Black, as told to Elizabeth Bailey Price. London, New York [etc.] T. Nelson and Sons, Ltd. [1939] vii, [9]-317 p., 1 l. 16 plates, ports. "First published, November, 1938. Reprinted, February, 1939."

Includes (from p. 89) story of the author's life in Yukon Territory, as a gold rush settler in Dawson, later as territorial commissioner's wife, and as member of parliament from the Yukon; remarks on changes in Dawson, political developments and persons connected with the Territory.

Copy seen: DLC; NNSf.

1679. BLACK, MARTHA LOUISE (MUNGER) PURDY, Mrs. GEORGE BLACK, 1866- . Yukon and her flowers. (Canadian geographical journal, Jan. 1933. v. 6, p. 17-25, illus.)

Descriptions of the wild flowers, by a resident of the Yukon, as a collector who does "not pretend to be a botanist."

Copy seen: DLC.

1680. BLACK, PATRICK. Scurvy in high latitudes; an attempt to explain the cause of the "medical failure" of the Arctic Expedition of 1875-6. London, Smith, Elder & Co., 1876. 16 p.

Physician's statement (a letter, previously published in part in the London *Times*) on fresh meat as the best anti-scorbutic precaution.

Copy seen: NNSf.

1681. BLACK, ROBERT FOSTER, 1918- , and W. L. BARKSDALE. Oriented lakes of northern Alaska. (Journal of geology, Mar. 1949. v. 57, p. 105-118, 6 plates, fold. map, diagrs.)

The lakes occur in the arctic coastal plain province of Alaska; have an average range of orientation of 12° (from N. 9°W to N. 21°W.) and are believed to be in part the result of thawing of permafrost, the origin of some not being known. The authors note briefly characteristics of the topography, drainage, vegetation, climate, geology, and permafrost of the area; give description (in more detail) of the distribution, concentration, size, shape, depth, and shore features of

the lakes; mention of former lake basins; remarks on the effect of wind, vegetation and permafrost on the lakes, and a comparison of these with similar lakes elsewhere in the world. Bibliography (10 items).

Copy seen: DGS.

BLACK, ROBERT FOSTER, 1918- , *see also* Van Alstine, R. E., & R. F. Black. Copper deposits Kotsina-Kuskulana. 1946.

1682. BLACKERBY, ALVA W., 1909- . Money in the bank for Alaska. (Alaska life, Dec. 1940. v. 3, no. 12, p. 8, 23, illus.)

Notes on western hemlock as a promising basis for the pulp industry in Southeast Alaska.

Copy seen: DLC.

BLACKJACK, ADA, *see* Stefansson, V. Adventure of Wrangel I. 1925.

BLACKJACK, ADA, *see* Stefansson, V. Adventure of Wrangel I. 1926.

1683. BLACKMAN, HAROLD V. The mukluk shuffle. (Alaska sportsman, July 1945. v. 11, no. 7, p. 18-20, 23, illus.)

Description of West and North Alaska Eskimo dancing. *Copy seen:* DLC.

BLACKMORE, ANAUTA (FORD), *see* Washburne, H. C., & A. F. Blackmore. Land of good shadows. 1940.

1684. BLACKMORE, M. A. This Kluane Lake country. (Alaska sportsman, Nov. 1938. v. 4, no. 11, p. 10, 25-26, illus.)

Notes on trapping in the Kluane Lake region of Yukon Territory at about 61°N. 139°W., with mention of game and gold mining.

Copy seen: DLC.

1685. BLACKWELDER, ELIOT, 1880- . The climatic history of Alaska from a new viewpoint. (Illinois Academy of Science. Transactions, 1917. v. 10, p. 275-80)

Discussion of geologic climate and Alaskan sediments of the present and the past.

Copy seen: DLC.

1686. BLACKWELDER, ELIOT, 1880- . Glacial features of the Alaskan coast between Yakutat Bay and the Alsek River. (Journal of geology, July-Aug. 1907. v. 15, p. 415-33, incl. map, illus.)

Description of the outer coastal mountains south of Yakutat Bay, called by the author, the Brabazon Range.

Copy seen: DGS.

1687. BLACKWELDER, ELIOT, 1880-
. Notes on the summer birds of the upper Yukon region, Alaska. (Auk, Jan. 1919. v. 36, p. 57-64)

Annotated list of sixty species based on the author's observations made during a geologic trip in 1915 from Whitehorse to Circle, thence west to the White Mountain range, down Beaver Creek to the Yukon, then upstream to Whitehorse.

Copy seen: DSI-M.

1688. BLACKWELDER, ELIOT, 1880-
. On the probable glacial origin of certain folded slates in southern Alaska. (Journal of geology, Jan. - Feb. 1907. v. 15, p. 11-14)

Descriptive notes on the rocks of the Yakutat Bay region.

Copy seen: DGS.

1689. BLACKWELDER, ELIOT, 1880-
. Reconnaissance on the Pacific Coast from Yakutat to Alsek River. (In: U. S. Geological Survey. Mineral resources of Alaska in 1906. Bulletin, 1907. No. 314, p. 82-88)

Description (in brief) of the geological formations, glacial deposits, structure, physiography, prospecting, and possible routes to the Alsek valley, in an area along the coast in the northeastern part of Southeast Alaska.

Copy seen: DGS.

1690. BLAGOVIDOV, N. L. Chetvertichnye otlozheniia, klimat i pochvy basseina reki Tiung (Iakutskaiia ASSR) Leningrad, Moskva, 1935. 128 p. illus., incl. maps. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy. Serii iakutskaiia, vyp. 18) *Title tr.:* Quaternary deposits, the climate and the soils of Tyung River basin (Yakut A.S.S.R.)

Results of author's observations during the Yakut Expedition 1926. Contains chapters on geomorphological condition of soil formations; Quaternary deposits; Climate (characterized as one of the most severe continental types in the world, as exemplified by conditions at Yakutsk, Vilyuysk, El'gyay; permafrost depth measurements and micrometeorological observations indicate wide variations locally in effects of climate); description of soils; chemistry of soils. *Copy seen:* DLC.

1691. BLAIR, KENNETH GLOYNE, 1882- . Coleoptera collected by the Oxford University Expedition to Akpatok Island, Ungava Bay, Aug.-Sept. 1931. (Annals and magazine of natural history, July 1933. Ser. 10, v. 12, p. 93-96)

List, with localities, of ten (including, with descriptions, two new) species of beetles. *Copy seen:* DSI-M.

1692. BLAIR, KENNETH GLOYNE, 1882- . Oxford University Greenland Expedition, 1928. Coleoptera from Greenland. (Annals and magazine of natural history, Apr. 1930. Ser. 10, v. 5, p. 394-400) Issued also as Oxford University Exploration Club. *Greenland and Spitsbergen papers*, 1934, no. 9.

Contains a list with field notes, localities and synonymy, of eleven species, collected in the Godthaab Fiord region (Kugssuk and Matuola); discussion of six species described in 1780, and not found since; and a table of distribution of Greenland beetles outside Greenland. *Copy seen:* DSI-M.

1693. BLAIR, THOMAS ARTHUR, 1879- . Seasonal pressures over the Pacific Ocean and Alaska in relation to subsequent winter temperatures in interior North America. (Pacific Science Congress. 5th, 1933. Proceedings, 1934. v. 3, p. 1949-64, incl. 11 p. diagrs.)

Discussion of effects of the Arctic on weather, and the use of weather maps.

Copy seen: DLC.

BLAISDELL, F. E., see Eastwood, A. Descriptive list of plants, Blaisdell, Nome. 1902.

BLAKE, CLARENCE JOHN, see Grenfell, Sir W. T. Adrift on an ice-pan. 1909.

BLAKE, EUGENE, see U.S. Revenue-cutter Service. Report of the operations *Nunivak* 1899-1901. 1902.

1694. BLAKE, EUPHEMIA (VALE), 1817-1904, editor. Arctic experiences: containing Capt. George E. Tyson's wonderful drift on the ice-floe, a history of the *Polaris* Expedition, the cruise of the *Tigress*, and rescue of the *Polaris* survivors. To which is added a general arctic chronology. New York, Harper & Brothers, 1874. 486 p. incl. front., illus., plates, map.

A narrative, designed to "present in popular form the entire history of the *Polaris* Exploring Expedition" to northwest Greenland; based on notes, etc., made by Captain Tyson, a member of the expedition, and of its ice-floe party, which drifted southward from Smith Sound till rescued, off the Labrador coast by the ship *Tigress*.

Appendix contains text of some of the documents issued in connection with the expedition. *Copy seen:* DLC.

1695. BLAKE, THEODORE A. General topographical and geological features of the northwestern coast of America, from the Straits of Juan de Fuca to the parallel of sixty degrees north latitude. (*In:* Davidson, George, and others. Report relative to the resources and the coast features of Alaska Territory. U. S. Coast and Geodetic Survey. Annual report, 1867, *pub.* 1869. Appendix no. 18, p. 281-90)

Includes general remarks on Sitka and the adjoining islands (Alexander Archipelago) Kodiak Island, Unalaska Island and the ascent of Makushin Volcano, known fossiliferous localities of Alaska, mineral resources, volcanoes and glaciers. *Copy seen:* DLC.

1696. BLAKE, THEODORE A. Topographical and geological features of the northwest coast of America. (*American journal of science*, Mar. 1868. Ser. 2, v. 45, p. 242-47)

Includes descriptive remarks on the mountains, glaciers, etc. in the vicinity of Sitka, and the islands of Unalaska and Unimak. *Copy seen:* DLC.

1697. BLAKE, WILLIAM PHIPPS, 1826-1910. The glaciers of Alaska, Russian America. (*American journal of science*, July 1867. Ser. 2, v. 44, p. 96-101, illus.)

Based on the author's observations made while a guest of the Russian corvette *Rynda*, on a reconnaissance of the Stikine River, southeastern Alaska, 1863. *Copy seen:* DLC.

BLAKISTON, Lt., see Sabine, Sir E. Remarks upon magnetic observations. York Fort. 1858.

1698. BLANCHARD, RAOUL, 1877- Notes sur les côtes de Colombie Britannique et d'Alaska. (*Revue de géographie alpine*, 1933. T. 21, p. 271-87, 3 plates, sketch map) *Title tr.:*

Notes on the coasts of British Columbia and Alaska.

Contains descriptive notes on the physical features, climate, vegetation, agriculture, forestry, fisheries and mines of southeastern Alaska, as far north as Skagway. *Copy seen:* DLC.

1699. BLANCHET, GUY HOUGHTON, 1884- "Barren Lands" geography. (*Canadian surveyor*, Jan. 1925. v. 1, no. 11, p. 4-7, illus., sketch map)

Description of the revisions accomplished by the Canadian Topographical Survey, 1924, in the lake country north and east of Great Slave Lake.

Copy seen: DLC.

1700. BLANCHET, GUY HOUGHTON, 1884- The caribou of the Barren Grounds. (*Beaver*, Sept. 1936. Outfit 267, no. 2, p. 22-25, 66, illus.)

Account for the general reader, of the Indians' and the Eskimos' hunting and use of the caribou, with remarks on its migrations and habits.

Copy seen: DSI-M.

1701. BLANCHET, GUY HOUGHTON, 1884- Conquering the northern arctic. (*Beaver*, Mar. 1939. Outfit 269, no. 4, p. 11-14, illus.)

History (in brief) of the commercial impetus to the development of flying in the Canadian Arctic, with casual mention of flights, and with remarks on difficulties of flying conditions.

Copy seen: DSI-M.

1702. BLANCHET, GUY HOUGHTON, 1884- An exploration into the northern plains north and east of Great Slave Lake, including the source of the Coppermine River. (*Canadian field naturalist*, 1924-25. v. 38, p. 183-87; v. 39, p. 12-16, 30-34, 52-54, illus., map)

Results of observations made during a Canadian Topographical Survey exploration, 1924. Description of the "Pike's portage route" into the Barren Grounds from Great Slave Lake, the interior waterways of the Artillery, Ptarmigan (Casba), Clinton-Colden, Aylmer, and MacKay Lakes system; notes on geology, topography, soil, vegetation, climate, animals, and birds (thirty-nine); with remarks (and map) on the changes made on the map of the area during the course of this survey. *Copy seen:* DLC.

1703. BLANCHET, GUY HOUGHTON, 1884- . In the land of the muskox. (Canadian geographical journal, June 1934. v. 8, p. 248-58, illus., sketch map)

Description of the Barren Grounds and game conservation within Thelon Game Sanctuary; remarks on the musk ox, its habits, present-day distribution and numbers. **Copy seen:** DLC.

1704. BLANCHET, GUY HOUGHTON, 1884- . New light on forgotten trails in the far Northwest. (Canadian field naturalist, Apr.-May 1926. v. 40, p. 69-75, 96-99, incl. 2 sketch maps)

Description of the country between Athabaska and Great Slave Lakes, represented on an old Indian map given to Dr. Richard King (of George Back's 1833-35 expedition); an account of exploration and mapping of this region by the Canadian Topographical Survey in 1925, with reproductions of the old and new maps; extracts from the author's journal on Nonachoh Lake, Eileen Lake and the Taltson River country. **Copy seen:** DLC.

1705. BLANCHET, GUY HOUGHTON, 1884- . Northern Canada—a heritage. (Canadian surveyor, Jan. 1931. v. 3, no. 11, p. 6-8)

General review of 20th century developments in opening up the Northwest Territories. **Copy seen:** DLC.

1706. BLANCHET, GUY HOUGHTON, 1884- . Searching the Arctic by aeroplane. (Canadian geographical journal, Dec. 1930. v. 1, p. 641-62, illus., map)

In Sept. 1929, Col. MacAlpine, president of Dominion Explorers, and a party of seven other men attempted an aerial inspection trip from Churchill to Bathurst Inlet. This paper is an account of the search undertaken by four planes, when the party was lost in the Dease Pt. region. It contains a narrative of the search party's flights from Lake Athabaska via Dubawnt and Pelly Lakes to Baker Lake, and return to Pelly Lake, and further flights to Dease Pt. and Bathurst Inlet. Includes descriptions of flying conditions, landing problems, and camping conditions in the Barren Grounds, both before and after snow and ice set in. **Copy seen:** DLC.

BLANCHET, GUY HOUGHTON, 1884- . *see also* Canada. Dept. of the In-

terior. Northwest Territories & Yukon Branch. Great Slave Lake area. 1926.

BLANCHET, GUY HOUGHTON, 1884- . *see also* Canada. Dept. of the Interior. Northwest Territories and Yukon Branch. Keewatin & northeast Mackenzie. 1930.

BLANCHET, GUY HOUGHTON, 1884- . *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Preliminary report aerial mineral exploration. 1930.

1707. BLANCHETTE, ARTHUR. Aspectos geonomicos del articulo canadiense. (Sociedad Mexicana de Geografia y Estadistica. Boletin, enero-feb. 1949. v. 67, p. 93-117, illus. (3 sketch maps) 8 plates, 3 maps (2 fold.)) **Title tr.:** The geo-economic aspects of the Canadian Arctic.

Discussion in general terms, of the physical characteristics, economic development, natural resources and status of present-day research in the Canadian Arctic. **Copy seen:** DSI-E.

1708. BLANCK, EDWIN, 1877- . Ein Beitrag zur Kenntnis arktischer Böden, insbesondere Spitzbergens. (In: Linck, G., and E. Blanck, eds. Chemie der Erde. Jena, 1919. Bd. 1, p. 421-76) **Title tr.:** Contribution to the knowledge of arctic soils, especially of Spitsbergen.

A comprehensive description of the soils, with results of mechanical and chemical analyses, and discussion of the kinds of rock exposed on West Spitsbergen, especially around Ice Fiord, the chemical weathering and erosion, and the effects of climate on these processes. **Copy seen:** DGS.

1709. BLANK, EDWIN, 1877- , and F. GIESECKE. Über Verwitterung und Bodenbildung des Granits auf Spitzbergen. (Geologische Rundschau, 1933. Sonderband 23A, p. 143-47) **Title tr.:** On weathering of granite and soil formation on Spitsbergen.

Discussion of weathering and results of chemical analyses of the granite. With earlier (1919 and 1928) papers of the first author on other kinds of rock and soils, this completes their study of Spitsbergen soil chemistry. **Copy seen:** DGS.

1710. BLANCK, EDWIN, 1877- , and A. RIESER. Die wissenschaftliche Er-

gebnisse einer bodenkundlichen Forschungsreise nach Spitzbergen im Sommer 1926. (In: Linck, G., and E. Blanck, eds. Chemie der Erde. Jena, 1928. Bd. 3, p. 588-698, illus. *Title tr.*: Scientific results of a soil science research expedition to Spitsbergen in the summer 1926.

From the expedition's headquarters at Longyear City, south of Advent Fiord (south side of Ice Fiord) studies were made on chemical weathering effects in relation to structural soils.

Contents tr.: Blanck, E. Introduction and purpose of the expedition.

Mortensen, H. Climate of the Ice Fiord region (temperature study).

Blanck, E., and A. Rieser. Experimental research (on various kinds of rock). *Copied seen*: DGS.

BLANTON, F. S., see Travis, B. V., & others. Prehatching treatments *Aedes*. 1949.

1711. BLANTON, WALTER C. The golden Unuk. (Alaska sportsman, Apr. 1935. v. 1, no. 4, p. 10-11, 34, illus.)

Account of past and present gold prospecting and mining on the Unuk River, Southeast Alaska (and British Columbia) at about 56°10'-25'N.

Copied seen: DLC.

BLEISTEIN, W., see International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

BLEISTEIN, W., see International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung, 1928. 1929.

1712. BLINOV, SERGEI PAVLOVICH, and P. V. MESSER. Stoletie Gidrograficheskogo upravleniia. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1927. T. 53 iubil'einyi, p. v-xcv, fold. maps, ports.) *Title tr.*: A century of the Hydrographic Office.

This review of the work and organization of the U.S.S.R. Hydrographic Office, 1697-1927, includes sections on the office's charting and other activities in (among others) the White Sea, the Arctic Ocean, Bering Strait and Sea and the Sea of Okhotsk.

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1713. BLIZNIĀK, E. V. Zamietki o Nizhnem Eniseie. (Vsesoŭznoe geo-

graficheskoe obshchestvo. Izvistiia, 1914. T. 50, p. 355-94, 8 plates, map) *Title tr.*: Notes on the Lower Yenisey.

Description of the Yenisey and the country along its shores, particularly from the point of view of its navigation, by a man who traveled by boat from Yeniseysk to Dudinka to take soundings, drag channels, set up beacons and water gauges, and organize regular observations with the latter.

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BLOCH, F. P. E., see Østergaard, C. C., & others. Observationes meteorologicae 1832-54, Grönland. 1856.

1714. BLOCK, N. BERNETA. Alaska's crippled children. (Alaska life, Dec. 1946. v. 9, no. 12, p. 10-15, illus., table)

Account of problems and work of the Child Health and Crippled Children's Services in Alaska, beginning 1937.

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1715. BLOM, GUSTAV PETER. On the reindeer of the Laplanders. (Edinburgh new philosophical journal, Apr. 1843. v. 34, p. 352-59)

Extract, translated from the author's *Königreich Norwegen statistisch beschreiben*, 1843, presenting a study of the customs of the Lapps especially the place of the reindeer in their culture and economy.

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1716. BLOMSTRAND, C. W., 1826-1897. Geognostiska iakttagelser under en resa till Spetsbergen år 1861. Stockholm, P. A. Norstedt, 1864. 46 p., 2 plates. (Svenska vetenskapsakademien. Handlingar. [Ny följd] Bd. 4, no. 6) *Title tr.*: Geognostic observations during a voyage to Spitsbergen, 1861.

Geographical and geological discussion, especially of the Treurenburg Bay, Mossel Bay, King's Bay and Cross Bay regions of West Spitsbergen, based on observations made during the Swedish Expedition to Spitsbergen, 1861.

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1717. BLOMSTRAND, C. W., 1826-1897. Et högnordisk mineral. (Geologiska föreningen. Förhandlingar, 1880. Bd. 5, p. 210-216) *Title tr.*: A mineral from the far North.

Chemical and physical properties of a mineral found in 1861 by Norden-skiöld on Norwegian Islands (Norsk-øyane, 79°50'N. 15°30'E.) off the north-west coast of West Spitsbergen during

the Swedish Expedition to Spitsbergen, 1861. *Copy seen:* DLC.

1718. BLOOMFIELD, LEONARD, 1887- . Algonquian. (*In:* Osgood, C., ed. *Linguistic structures of North America*, 1946. p. 85-129)

Description of sounds and word structure, based on several Algonkian languages, including Cree; bibliography of Algonkian according to language groups, p. 123-29. *Copy seen:* DLC.

1719. BLOUNT, Mrs. ELLEN S. North of 53; an Alaskan journey. London, P. Lund, Humphries & Co., Ltd. [1925] 3 p. l., 128 p., 1 l. 10 plates (incl. map)

The author's account of her trip in 1914 includes descriptions of Skagway, Dawson, Tanana, St. Michael, and (in brief) the natives of the region.

Copy seen: DLC; NNS Stef.

1720. BLÜTHGEN, JOACHIM. Die polare Baumgrenze in Lappland. Berlin, Borntraeger, 1942. p. l., 80 p. 12 plates (1 double-face) sketch map. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 10) *Title tr.:* The polar tree line in Lapland.

Based on observations made in a number of places north of the Arctic Circle in Scandinavia and Finland, and on the available published literature; a study of the ecologic, biologic, geographic, and climatic conditions of the region relative to the tree line, with a bibliography (248 items).

Copy seen: DN-HO.

1720A. BLÜTHGEN, JOACHIM. Forschungsergebnisse über arktische Fragen. (Petermanns geographische Mitteilungen, Dez. 1942. Jahrg. 88, p. 451-56) *Title tr.:* Results of research on the arctic question.

Review of papers presented at a symposium, Sept. 28-Oct. 3, 1942, organized by the Arctic Section of the German Scientific Institute, Copenhagen (set up during the German occupation of Denmark in World War II). A list of these papers will be found in this Bibliography under: Deutsche wissenschaftliche Institut zu Kopenhagen. *Veröffentlichungen. Reihe I: Arktis. Nr. 1-12.*

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1721. BLÜTHGEN, JOACHIM. Tatsachen und Deutungen zur Geschichte des Skandik (- Europäischen Nord-

meeres). (Geologie der Meere und Binnengewässer, 1941. Bd. 5, p. 83-117, illus.) *Title tr.:* Facts and interpretations of the history of Skandik (- European Arctic Ocean).

Discussion of the geologic history of the area now occupied by the Greenland and Norwegian Seas and description of the land forms around its borders; review of the various theories concerning it and statement of the author's view that it was a basin throughout earlier geologic periods.

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BLÜTHGEN, P., see Sjøstedt, Y., & others. Entomologische Ergebnisse. Kamtschatka-Exped. 37. Abschluss. 1935.

1722. BLUHME, HANS EMIL, 1833-1926. Fra et ophold i Grønland 1863-64. København, Fr. Woldikes forlags-expedition, 1865. 272 p. plate. *Title tr.:* From a sojourn in Greenland, 1863-64.

Describes the author's voyage to West Greenland and his travels there; wintering at Godthaab; polar bear, reindeer and seal hunting; fishing; description of various West Greenland communities; Lutheran and Moravian missions; the cryolite mine at Ivigtut; kayak sports and practice; Eskimos' mode of living; investigations and survey of waters and navigation off West Greenland in the brig *Tjalfe*; astronomical and other observations; ice conditions; drift ice; shortage of provisions and fuel; the ice blink; early Norse settlements; health conditions; the Greenland government and the trade; the inspectorates, etc. Contains also recommendations, and data on Hans and Poul Egede.

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BLUMENTAL', I. KH., see Tolmachev, A. I., & I. KH. Blumental'. Materialy dlia flory Novoi Zemli. 1931.

BLUMINA, L. I., see Bachurina, A. A., & others. Klassifikatsiia i kharakteristiki vozduzhnykh mass. 1936.

1723. BLYTT, AXEL GUDBRAND, 1843-1898. Forsøg til en teori om indvandringen af Norges flora under vexlende regnfulde og tørre tider. (Nytt magasin for naturvidenskaperne, 1876. Bd. 21, hefte 4, 279-362) *Title tr.:* An essay of the theory of migration of Norwegian flora under influence of rainy and dry periods.

Contains a discussion of the fluctua-

tion of Norwegian flora based on the study of the past and present geographic distribution of some typical Norwegian plants, including some native to arctic Scandinavian regions, especially alpine and seacoast species, influenced greatly by intermittent periods of dry and rainy weather.

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1724. BLYTT, AXEL GUDBRAND, 1843-1898. *Plantago borealis* Lge., en for Skandinaviens plante. (Botaniska notiser, 1873, no. 5, p. 129-30) *Title tr.*: *Plantago borealis* Lge., a plant new to Scandinavia.

Contains critical notes on this plantain new to the flora of Scandinavia, found in Nordland and Finnmark, Norway, with data on its distribution and habitat.

Copy seen: MH-A.

BOARDMAN, HORACE PRENTISS, 1869-. *see* Burhoe, R. W., & H. P. Boardman. List current publications snow & ice. 1942.

1725. BOAS, FRANZ, 1858-1942. A. J. Stone's measurements of natives of the Northwest Territories. (American Museum of Natural History. Bulletin, 1901, v. 14, p. 53-68, 5 plates (ports.))

Results of A. J. Stone's journey through Northwest Territories, 1897-99, for the American Museum of Natural History. Tables of dates (from Stone) and discussion (by Boas) on Tahltan, and Loucheux (Kutchin) Indians, also on North Alaska and Mackenzie Eskimos.

Copy seen: DLC.

1726. BOAS, FRANZ, 1858-1942. Baffin-Land. Geographische Ergebnisse einer in den Jahren 1883 und 1884 ausgeführten Forschungsreise. Gotha, Justus Perthes, 1885. 2 p. l, 100 p. illus., 2 maps (1 fold.) (Petersmanns Mitteilungen. Ergänzungsheft. Nr. 80) *Title tr.*: Baffin Land, geographical results of an exploratory journey made in the years 1883 and 1884.

Contains an account of Boas' journeys and discoveries, his geographical observations and survey, an outline of the distribution of Eskimo tribes and settlements in Cumberland Peninsula and the coastal regions of Baffin Island (from Cumberland Sound northward along Davis Strait to about 70°N.) with tables on whaling in Cumberland Sound, 1846-76, and on voyages to the region (winterings given) 1846-76.

Appendices contain (1) list of Eskimo place names (with German translation), also of English (and Eskimo) place names; (2) astronomical observations taken in course of the author's journeys, Sept. 1883-Aug. 1884.

Maps: (1) Cumberland Sound and Peninsula, scale 1:1,050,000, based on author's survey and observations as well as the survey material of the German polar station at Kingua; (2) Baffin Island, scale 1:6,000,000, indicating distribution of Eskimo tribes and locations of settlements.

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1727. BOAS, FRANZ, 1858-1942. Bird-bolas among eastern Eskimo. (American anthropologist, 1908. New ser., v. 10, p. 698-99)

Slings of the Iglulik on Southampton Island.

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1728. BOAS, FRANZ, 1858-1942. The Central Eskimo. (U. S. Bureau of American Ethnology. Sixth annual report, 1884-85, pub. 1888. p. 399-669, 157 illus. (incl. music), 6 plates, 3 maps (incl. 2 fold.))

Ethnological results of the author's sojourn on Baffin Island 1883-84, to observe the Eskimos, and explore the coastal regions, especially around Cumberland Sound, and along Davis Strait. Data on distribution of tribes, trade, hunting and fishing manufactures, transportation, habitations and dress, social and religious life, tales, science and arts (including songs with musical notation), glossary of Eskimo words and geographic names. Bibliography, p. 410-13. *Maps:* Two fold. maps, show, in general and in detail, territory occupied by Central Eskimo tribes.

Copy seen: DLC.

1729. BOAS, FRANZ, 1858-1942. Cumberland Sound and its Eskimos. (Popular Science monthly. Apr. 1885, v. 26, p. 768-79)

Translated and reprinted from articles in *Berliner Tageblatt*.

Copy seen: DLC.

1730. BOAS, FRANZ, 1858-1942. The decorative art of the Indians of the North Pacific coast. (American Museum of Natural History. Bulletin, 1897. v. 9, p. 123-76, illus.)

Discussion of the process of conventionalization of design, exemplified in Haida, Tsimshian and Tlingit objects.

A revised and enlarged version was published in the author's *Primitive art*, 1927, q.v.

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1731. BOAS, FRANZ, 1858-1942. Decorative designs of Alaskan needlecases: a study in the history of conventional designs, based on materials in the U. S. National Museum. (U. S. National Museum. Proceedings, 1908. v. 34, p. 321-44. illus., plates 22-30)

Discussion (in view of three current theories on development of primitive design) of designs in use by the Eskimos on the Alaskan coast between the Yukon River mouth and Norton Sound.

Copy seen: DLC.

1732. BOAS, FRANZ, 1858-1942. Der Eskimo-Dialekt des Cumberland-Sundes. (Anthropologische Gesellschaft in Wien. Mittheilungen, 1894. Bd. 24, (Neue Folge, Bd. 14) p. 97-114)

Contains a brief introduction, followed by a list of words used among Eskimos of the Cumberland Sound region of Baffin Island, with some variants from Greenland and Labrador and with German equivalents; based on Boas' experience on Baffin Island.

Copy seen: DLC.

1733. BOAS, FRANZ, 1858-1942. The Eskimo of Baffin Land. (Anthropological Society of Washington. Transactions, 1884. v. 3, p. 95-102)

Brief descriptions of several tribes visited by Boas, 1882-83.

Copy seen: DLC.

1734. BOAS, FRANZ, 1858-1942. The Eskimo of Baffin Land and Hudson Bay. (American Museum of Natural History. Bulletin, 1901, 1907. v. 15, pt. 1-2, p. 1-570, illus., 10 plates (part. fold.))

Contains in pt. 1 (370 p.) results of Boas' work on Baffin Island in 1883-84, and observations and collections made during 1885-99 by Capt. George Comer, Capt. James E. Mutch, and Rev. E. J. Peck. Pt. 2 (p. 371-570) gives further results from the latter's subsequent observations. Both parts include chapters on material culture, social organization, customs and religious ideas, traditions (tales), and songs (Eskimo text and translation); a list of angakok (shaman's religious ceremonial) words, and references to culture traits in other tribal groups.

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1735. BOAS, FRANZ, 1858-1942. Die Eskimos des Baffinlandes. (Deutsche Geographentag 5te, Hamburg, 1885. Verhandlungen, p. 101-112)

Observations (mainly on Eskimo customs) made during the author's travels in the southern part of Baffin Island 1883-84.

Copy seen: DLC.

1736. BOAS, FRANZ, 1858-1942. The folk-lore of the Eskimo. (Journal of American folk-lore, 1904. v. 17, p. 1-13)

Discussion of traditional tales, with references to published collections.

Copy seen: DLC.

1737. BOAS, FRANZ, 1858-1942. The geography and geology of Baffin Land (Royal Society of Canada. Transactions, 1887. v. 4, sect. 4, p. 75-78)

Based on explorations carried out during the author's visit, 1883-84; a description of the physiography of Baffin Island to about 70°N., the mountains, lakes, topography, and land ice along its shores.

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1738. BOAS, FRANZ, 1858-1942. Gleanings from the Emmons collection of ethnological specimens from Alaska. (Journal of American folk-lore, 1888. v. 1, p. 215-19)

Legends, etc., of the Tlingit Indians (based on materials in American Museum of Natural History, N. Y.)

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1739. BOAS, FRANZ, 1858-1942. Handbook of American Indian languages, by Franz Boas, with illustrative sketches by Roland B. Dixon, P. E. Goddard, William Jones and Truman Michelson. John R. Swanton, and William Thalbitzer. Washington, U. S. Govt. Print. Off., 1911-33. 3 v. (Smithsonian Institution. Bureau of American Ethnology. Bulletin 40 [pt. 1-2] Part 3 (not issued as a Bureau of Ethnology Bulletin) has imprint: [Glückstadt, New York, etc.] J. J. Augustin, Inc., 1933.

Contents include Pt. 1 (1911):

SWANTON, J. R. Tlingit.

SWANTON, J. R. Haida.

BOAS, F. Tsimshian.

THALBITZER, W. Eskimo.

Pt. 2 (1922): BOGORAZ, V. G. Chukchee.

Each paper appears in this Bibliography under its author's name.

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1740. BOAS, FRANZ, 1858-1942. The
Jesup North Pacific Expedition. (Inter-
national Congress of Americanists.
13th, New York, 1902. Proceedings, pub.
Easton, Pa., 1905. p. 91-100)

Summarizes the archeological and
ethnological aims and results of the
expedition, particularly in regard to
racial and cultural relationships be-
tween the aborigines of North Amer-
ica and northeastern Siberia. Includes
table of field-work projects of the par-
ticipating scientists and list of com-
pleted and projected publications of the
expedition.

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1741. BOAS, FRANZ, 1858-1942. A
journey in Cumberland Sound and on
the west shore of Davis Strait in 1883
and 1884. (American Geographical Soci-
ety. Journal, 1884. v. 16, p. 242-72,
fold. map)

Contains a résumé of previous ex-
plorations in the Baffin Island region,
and account of Boas's sojourn among
the Eskimos there, also his trips for
geographical and ethnological observa-
tions. The geographical results were
published as his *Baffin-Land*, 1885,
q.v., and the ethnological results as his
The Central Eskimo, 1888, q.v.

Map shows the Cumberland Sound
and the Davis Strait coast of Baffin Is-
land as surveyed by Boas, with Eskimo
place names.

Copy seen: DLC.

1742. BOAS, FRANZ, 1858-1942. Notes
on the Eskimo of Port Clarence, Alaska.
(Journal of American folk-lore, 1894.
v. 7, p. 205-208)

Some myths and angakok (or sham-
an's) words (collected from West
Alaska Eskimos passing through Chi-
cago) compared with those of the
Greenland Eskimos.

Copy seen: DLC.

1743. BOAS, FRANZ, 1858-1942. Prim-
itive art. Oslo, H. Aschehoug & Co.;
Cambridge, Mass., Harvard University
Press, 1927. 2 p. l., 376 p. illus. (incl.
music) 15 plates. (Instituttet for sam-
menlignende kulturforskning. [Publika-
tioner] ser. B: Skrifter, 13)

Includes a chapter, *Art of the North
Pacific Coast of North America* (p.
183-298, 158 illus., 6 plates), describing
and characterizing the decorative art
of the Tlingits and other tribes: the
men's wood carving and painting, and
the women's weaving, basketry, and

embroidery, also Alaskan Eskimo
needle cases. This chapter is a revision
of Boas' essay *The decorative art of
the Indians of the North Pacific Coast
of America*, 1897, q.v.

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1744. BOAS, FRANZ, 1858-1942. Prop-
erty marks of Alaskan Eskimo. (Amer-
ican anthropologist, 1899, new ser. v.
1, p. 601-613, illus.)

Hunting implements of North and
West Alaska Eskimos.

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1745. BOAS, FRANZ, 1858-1942. Reise
im Baffinlande 1883 und 1884. (Gesell-
schaft für Erdkunde zu Berlin. Ver-
handlungen, 1885. Bd. 12, p. 288-97,
fold. map)

A summary account of the au-
thor's travels in Baffin Island, 1883-84.
Map: Cumberland Sound and the Davis
Strait coast of Baffin Island according
to Boas' survey, with Eskimo place
names.

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1746. BOAS, FRANZ, 1858-1942. Re-
lationships between north-west Amer-
ica and north-east Asia. (In: Jenness,
D. ed. The American aborigines, their
origin and antiquity; a collection of
papers . . . for presentation at the fifth
Pacific Science Congress, Canada, 1933,
pub. 1933, p. 355-70)

Discussion of relation of the Amer-
ican race to Old World races; circum-
polar culture traits; languages of
Siberia and America.

Copy seen: DLC.

1747. BOAS, FRANZ, 1858-1942. The
relationships of the Eskimos of East
Greenland. (Science, Oct. 15, 1909. new
ser. v. 30, no. 772, p. 535-36)

Discusses similarity of implements
from northeast Greenland, Ellesmere
Island, northern Baffin Island and the
northwestern part of Hudson Bay,
which is interpreted as indicating that
the line of Eskimo migration followed
the shores of Ellesmere Island, the
north coast of Greenland and then
southward along its east coast.

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1748. BOAS, FRANZ, 1858-1942. Die
religiösen Vorstellungen und einige
Gebräuche der zentralen Eskimos.
(Petermanns Mitteilungen, 1887. Bd. 33,
p. 302-316) *Title tr.*: Religious beliefs
and customs among the Central Es-
kimos.

Practices and myths noted by Boas while on Baffin Island 1883-84, with references to others' observations elsewhere.

Copy seen: DLC.

1749. BOAS, FRANZ, 1858-1942. Religious beliefs of the Central Eskimo. (Popular science monthly, Oct. 1900. v. 57, p. 624-31)

Account embodying observations made by Capt. James S. Mutch, during a long continued stay at Cumberland Sound, Baffin Island.

Copy seen: DLC.

1750. BOAS, FRANZ, 1858-1942. Die Resultate der Jesup-Expedition. (International Congress of Americanists. 16th, Wien, 1908. Verhandlungen. Wien, 1910. p. 3-18)

Contains an analysis of the results of the Jesup North Pacific Expedition, 1897-1902, particularly in regard to new light on problems of cultural relationships and diffusion on both sides of the North Pacific, from Vancouver Island to the Sea of Okhotsk. Boas was the leader of the expedition.

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1751. BOAS, FRANZ, 1858-1942. Die Sagen der Baffin-Land-Eskimos. (Zeitschrift für Ethnologie. Berlin, 1885. v. 17 (Verhandlungen), p. 161-66) *Title tr.:* The myths of the Baffin Land Eskimos.

Describes certain basic elements of the mythology of the Baffin Land Eskimos, compares Baffin Land and Greenland mythology, and points out relationships between mythology, birth and death customs, and name giving.

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1752. BOAS, FRANZ, 1858-1942. Sagen der Eskimos von Baffin-Land. (Zeitschrift für Ethnologie. Berlin, 1885. v. 20 (Verhandlungen), p. 398-405, incl. music) *Title tr.:* Myths of the Baffin Land Eskimos.

Contains the full texts (in German) of four Eskimo tales that had appeared with deletion of certain obscene portions in the Sixth Annual Report of the Bureau of Ethnology.

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1753. BOAS, FRANZ, 1858-1942. The social organization and the secret societies of the Kwakiutl Indians, by Franz Boas. Based on personal observations and on notes made by Mr.

George Hunt. (U. S. National Museum. Annual report, 1895, pub. 1897. p. 311-738, 215 illus. (incl. plan) 51 plates)

Discussion of Indian tribes of the North Pacific coast as one ethnological group, with detailed description and analysis of Kwakiutl society as representing customs practiced also among the Tlingits, Haidas, and Tsimshians and others: the clan system, potlatch, secret societies and marriage customs, legends, ceremonials, dances, songs; ceremonials of Tsimshians, Nisquas, Haidas, Tlingits, etc. *Appendix* contains words (in vernacular with interlineal English translation) and music of songs.

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1754. BOAS, FRANZ, 1858-1942. Two Eskimo riddles from Labrador (Journal of American folk-lore, 1926. v. 39, p. 486)

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1755. BOAS, FRANZ, 1858-1942. Über die ehemalige Verbreitung der Eskimos im arktisch-amerikanischen Archipel. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1883. Bd. 18, p. 118-36, fold. map) *Title tr.:* The distribution of Eskimos in the American arctic archipelago in former times.

General discussion, followed by a list of about twenty-five localities in the Canadian Arctic Islands and Greenland, with notes on Eskimos, drawn from explorers' narratives.

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1756. BOAS, FRANZ, 1858-1942. Über die Wohnsitze der Neitschillik-Eskimos. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1883. Bd. 18, p. 222-33, fold. map) *Title tr.:* The habitat of the Netsilik Eskimos.

Descriptions of the Eskimos of Boothia Peninsula and the regions they inhabit, with references to observations in earlier explorers' narratives. *Map* shows Central Eskimo territory with indication of tribal localities and travel routes.

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1757. BOAS, FRANZ, 1858-1942. Vocabularies from the northwest coast of America. (American Antiquarian Society. Proceedings, 1916. New ser. v. 26, p. 185-202)

Contains lists (with meaning and pronunciation indicated) of Nootka, Haida, and Tlingit Indian and Prince William Sound Eskimo words, recorded

in 1791, and here transcribed from a manuscript in the American Antiquarian Society.

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1758. BOAS, FRANZ, 1858-1942. Vocabularies of the Tlingit, Haida and Tsimshian languages. (American Philological Society. Proceedings, 1892. v. 29, p. 173-208)

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1759. BOAS, FRANZ, 1858-1942. A year among the Eskimo. (American Geographical Society. Journal (Bulletin) 1887. v. 19, p. 383-402)

Based on the author's sojourn among the Eskimos of Baffin Island from Cumberland Sound north to about 70°N., 1883-84. Descriptions of the daily life of the Eskimos, of sledge traveling, dog driving, and seal hunting; and two Eskimo legends.

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1760. BOAS, FRANZ, 1858-1942, and H. J. RINK. Eskimo tales and songs. (Journal of American folk-lore, 1889, 1894, 1897. v. 2, p. 123-31; v. 7, p. 45-50; v. 10, p. 109-115)

Text (in Eskimo dialect with literal, also free, English translation) of twenty-five tales and songs, collected by Boas on Baffin Island 1883-84, and translated with linguistic notes by Rink; also comparative discussion.

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BOAS, FRANZ, 1858-1942, *see also* Bogoraz, V. G. *Sotsial'nyi stroi amerikanskikh èskimosov. 1936.*

BOAS, FRANZ, 1858-1942, *see also* International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Liste d. v. Boas gesammelten Pflanzen. 1890.

BOAS, FRANZ, 1858-1942, *see also* Swanton, J. R., & F. Boas. Haida songs & Tsimshian texts. 1912.

1761. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Anders Olsen og hans slægt ved Igaliko. (Grønlandske selskab. Aarskrift, 1914. p. 100-12, illus.) *Title tr.:* Anders Olsen and his relatives at Igaliko.

Biography of the founder of Fiskenesset, Old Sukkertoppen (Kangamiut) and Julianehaab; his services in the interest of the Greenland Trade, cattle raising, whaling, etc.; places named for him; his exploration trip in south Greenland in 1783; his descendants and their services to Greenland, etc.

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1762. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Early exploration of Greenland. (*In:* Greenland. Copenhagen, 1928. v. 1, p. 1-35)

Account of expeditions from 1472-73 till the time of Giesecke's mineralogical researches ending 1812-13.

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1763. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Godthaab. 1728-1928. (Grønlandske selskab. Aarskrift, 1927-28. p. 5-28, illus.) *Title tr.:* Godthaab, 1728-1928.

Describes official dedication of the Godthaab colony, 1728; régime of Gov. Paars; history and development, with data on Danish and German missions, epidemics, officials and officers, geography, fortification, trade, whaling, sealing, education, churches, seminaries, war years 1807-14, famine 1853-54, traditions, books about Godthaab, outstanding personalities, etc.

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1764. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Greve Edmund Bourke, ophavsmanden til Grønlands bevarelse for Danmark ved Kielerfreden 1814. (Grønlandske selskab. Aarskrift, 1918. p. 3-5, illus.) *Title tr.:* Count Edmund Bourke, author of proposal to preserve Greenland for Denmark through the Treaty of Kiel, 1814.

Notes correspondence on subject between Baron af Wetterstedt, Sweden's representative at the peace conference, and the Swedish Foreign Minister, von Engeström, quoting Bourke with a brief sketch of his life (1761-1821) and diplomatic career.

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1765. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Grønlaendere i Danmark. (Grønlandske selskab. Aarskrift, 1926-27. p. 5-28, illus.) *Title tr.:* Greenlanders in Denmark.

Notes first view of Eskimos in Denmark, 1605; later visits, forced and voluntary; Eskimos sent to Copenhagen to study for the ministry; the erection of the Greenlanders' Home (1879) to house Eskimos learning trades in Denmark.

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1766. BOBÉ, LOUIS THEODOR ALFRED, 1867-. Grønlands genopdagelse og James Halls rejser. (Grønlandske selskab. Aarskrift, 1916. p. 71-92, illus. maps) *Title tr.:* The re-discovery of Greenland and James Hall's voyages.

Describes James Hall's four voyages to Greenland 1605-1612; exploration of West Greenland as far north as 68°-35'N; sighting of Labrador; discovery of Queen Anne's Cape (Kingatsiak), Queen Sophie's Cape (Kangarsuk) at 67°4'N., Mt. Cunningham (Kakatsiak) at 66°35'N., and King Christian Fjord (Itiudlek) at 66°33'N. etc.; geographical and ethnological remarks together with four sketch maps of West Greenland from Kingatsiak (66°10'N.) to Sark'ardlek (68°35'N.), of Grampus Road and the Harbour of Hope, also sketches of promontories and mountains.

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1767. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Grønlands guvernør Claus Enevold Paars og kolonien Godthaabs grundlaeggelse. (Grønlandske selskab. Aarsskrift, 1922-23. p. 38-49) *Title tr.:* Greenland's governor, Claus Enevold Paars and the foundation of the colony of Godthaab.

Hans Egede's struggles during early years of his missionary and colonization project in West Greenland. Gov. Paars at Godthaab 1728-31, building of fort on Nipisat Island and other activities; his place in Greenland history.

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1768. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Grønlands vaaben. (Grønlandske selskab. Aarsskrift, 1918. p. 1-2, plate) *Title tr.:* The coat of arms of Greenland.

Notes Holberg's comments on its existence during the reign of Frederik III; discusses origin and various designs.

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1769. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Den grønlandske handels og kolonisations historie indtil 1870; indledning nr. 2 til Diplomatarium groenlandicum 1492-1814. København, C. A. Reitzel, 1936. 152 p. 6 plates. (Meddelelser om Grønland. Bd. 55, nr. 2) *Title tr.:* The history of Greenland trade and colonization until 1870; introduction no. 2 to Diplomatarium groenlandicum.

Contents tr.: 1. Whaling and trading expeditions until the landing of Hans Egede. 2. The Bergen Trading Company, 1721-26. 3. Royal trade in Greenland, 1727-33. 4. Monopoly trade under Jakob Severin, 1734-50. 5. The General Trading Company, 1750-75. 6.

Trade under the state, 1774-1856. 7. "The Greenland Trade Place" (headquarters in Copenhagen of the Greenland trading companies). 8. Directors of the Royal Greenland Trade 1775-1882. 9. The royal inspectors; bibliographical notes, p. 120-32.

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1770. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Hans Egede, Grønlands missionær og kolonisateur. København, C. A. Reitzel, 1944. x, 344 p., 1 l. incl. 54 illus. (incl. facsim.) port. maps (part fold.) (Meddelelser om Grønland. Bd. 129, nr. 1) *Title tr.:* Hans Egede, missionary and colonizer of Greenland.

Contains a brief genealogy of the Egede family, the history of Hans Egede's childhood, his youth and early years as a clergyman in northern Norway, his arrival and years in Greenland; his work as a missionary, and other achievements; Governor Paars' residence in Greenland; the founding of Godthaab; other colonies, and fortifications; the recall of the governor and the military; the abandonment and resurrection of the Greenland colony and the trade, through Jacob Severin; the Jochimsson expedition; the smallpox epidemic; Greenlanders in Denmark; Egede's return to Denmark; his first years in Copenhagen and literary activity; his direction of the Greenland mission; his last years and death.

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1771. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Hans Egedes kolonisationsforsøg. (Grønlandske selskab. Aarsskrift, 1915. p. 83-97, illus., diagrs., map) *Title tr.:* Hans Egede's attempts at colonization.

History of the colony on Nipisat Island (Holsteinsborg District) founded by Egede 1724, and destroyed by the Netherlands in 1731; the colony at Angmagssivik (Godthaab District) and its eventual disintegration.

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1772. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Hinrich Johannes Rink. (Grønlandske selskab. Aarsskrift, 1918. p. 47-64, illus.) *Title tr.:* Hinrich Johannes Rink.

Contains letters from H. J. Rink with remarks on investigations in West Greenland, 1848-69; his services as

inspector, 1858-69; social, economic and administrative reforms; education, language; work as director of the Greenland Trade, etc.

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1773. BOBÉ, LOUIS THEODOR ALFRED, 1867- . History of the trade and colonization until 1870. (*In:* Greenland. Copenhagen, 1929. v. 3, p. 77-163)

Contents: Trading communication in the Norse period. Voyages of discovery in the 16th and 17th centuries. The Dutch and Greenland. Greenland trade under the Bergen Company (1720-28). The Royal trade on Greenland (1727-33). Monopoly trade under Jacob Severin (1734-50). The General Trading Company (1750-75). The Royal monopoly trade. Traders and other officials. Bibliography.

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1774. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Kommandør Hans Emil Bluhme. (Grønlandske selskab. Aarskrift, 1926-27. p. 80-82, illus.) *Title tr.:* Commodore Hans Emil Bluhme.

Notes death of Hans Emil Bluhme (1833-1926); expeditions of which he was a member; navigational surveys on the west coast of Greenland, in particular the vicinity of Arsak, 1863-64; his book *Fra et ophold i Grønland*, 1865, q.v.; suggestions for reforms in administration of Greenland; contributions to the Greenland Society, etc.

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1775. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Lourens Feykes Haans kursforskrifter for besejlingen af Grønland, særlig Diskobugten (1719). (Grønlandske selskab. Aarskrift, 1915. p. 41-49) *Title tr.:* Lourens Feykes Haan's sailing directions for the navigation of Greenland, in particular Disko Bay (1719). Edited from the Dutch original of Haan: *Beschryving van de straat Davis, van de Zuydbay tot om het eyland Disko* . . . Amsterdam, 1719 (copy in DLC).

Contains description of the navigation lanes on Greenland's south and west coasts, with instructions for the entering of fiords, straits, and inlets, and how to reach the more important localities. With notes by M. Porsild and H. Ostermann.

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1776. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Mathis Jochimssen. Den første naturforsker i Grønland.

(Grønlandske selskab. Aarskrift, 1915. p. 50-58) *Title tr.:* Mathis Jochimssen. The first scientist in Greenland.

Account of this Norwegian's investigations and travels in the Godthaab region (and southward) 1732-33; with note of ice conditions, compass, deviations, change in sea level, birds, minerals, etc.; his writings, maps, and comment on Hans Egede.

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1777. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Niels Egedes dagbog 1759-61. (Grønlandske selskab. Aarskrift, 1943. p. 7-61, map) *Title tr.:* Niels Egede's diary, 1759-61.

Contains an account of Egede's two years at Egedesminde, West Greenland; vicissitudes experienced, his contributions to the trade and missions of Greenland and the education of the Greenlanders. Includes data on weather, constellations, northern lights; customs and beliefs of the Eskimos, etc.

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1778. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Opdagelsesrejser til Grønland, 1473-1806; indledning nr. 1 til Diplomatarium groenlandicum 1492-1814. København, C. A. Reitzel, 1936. 54 p. (Meddelelser om Grønland. Bd. 55, nr. 1) *Title tr.:* Exploratory expeditions to Greenland, 1473-1806; introduction no. 1 to Diplomatarium groenlandicum 1492-1814.

Historical survey of expeditions to Greenland, especially by Danes, and of the founding of Danish colonies; bibliographical notes, p. 35-46.

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1779. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Peder Olsen Walloe, ostkystens genopdager. (Grønlandske selskab. Aarskrift, 1917. p. 86-99, illus.) *Title tr.:* Peder Olsen Walloe, re-discoverer of the east coast.

Contains bibliographical notes on the life of Peder Olsen Walloe (1716-1793), his exploration trips in a kayak on the West Greenland coast, and (1752) his kayak trip to East Greenland as far north as Kipingajak Island (approx. 60°N., 43°W.)

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1780. BOBÉ, LOUIS THEODOR ALFRED, 1867- . Tale til ære for den ældste Grønlandsfarer. (Grønlandske selskab. Aarskrift, 1916. p. 162-63) *Title tr.:* Speech in honor of the oldest Greenland voyager.

Notes distinguished service on Greenland route of the brig *Tjalfe*, beginning at end of 18th century; its history as an exploration ship and as a man-of-war in the early 19th century, etc.

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1781. BOBÉ, LOUIS THEODOR ALFRED, 1867- , and O. BENDIXEN. Lars Møller. (Grønlandske selskab. Aarskrift, 1916. p. 5-13, illus.) **Title tr.:** Lars Møller.

Tribute to the Greenlander, Lars Peter Silas Matthæus Møller, printer and editor of the magazine *Atuagagdliutit* (i.e. Reading), his travels, etc.

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BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Bendixen, O. Beskrivelse af distrikterne i Sydgrønland. 1921.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Dalager, L. Grønlandske relationer, 1752. 1915.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Diplomatarium groenlandicum, 1492-1814. 1936.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Egede, H. P. Relationer fra Grønland, 1721-1736. 1925.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Greenland. 1928-29.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Grønland i tohundred-aaret for Egedes landing. 1921.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Grønland i tohundred-aaret for Egedes landing. (trade ed.) 1921.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Haan, L. F. Beskrivelse af Straat Davids. 1914.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Rüttel, F. C. P. Ti aar blandt Østgrønlands hedninger. 1917.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Thorhallesen, E. Beskrivelse over missionerne 1774-75. 1914.

BOBÉ, LOUIS THEODOR ALFRED, 1867- , *see also* Walloe, P. O. P. O. Wallges dagbøger, Grønland 1739-53. 1927.

1782. BÓBRIK, ADOLF. Ebbe- und Fluthbeobachtungen. [Wien, 1886] 18 p. incl. tables, 3 fold. diagrs. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan

Mayen. Beobachtungs-Ergebnisse. Bd. 1, Theil 3, Abt. 4) **Title tr.:** Tides. (First International Polar Year, 1882-83. Austrian Polar station on Jan Mayen).

Contains hourly high and low water observations Apr. 27-Aug. 4, 1883, at the tidal station established at 70°59'48"N. 8°28'7"W.; with discussion of semi-monthly variations and constants.

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1783. BOBROV, EVGENII GRIGOR'EVICH, 1902- . O lüpinovom klevere *Trifolium lupinaster* L. (In: Akademiâ nauk SSSR. Prezidentu Akad. nauk, 1939, p. 130-42, text map) **Title tr.:** On lupine clover *Trifolium lupinaster* L.

Contains synonymy, critical notes and data on morphology, variation and distribution of lupine clover, *Trifolium lupinaster*, growing in the lower Pechora and Yenisey River basins and in the Lena River region of Yakut A.S.S.R.

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1784. BOBROV, NIKOLAI NIKOLAEVICH, 1881- . Chkalov. Moskva, Gos. izd-vo "Khudozhestvennaia literatura", 1940. 318 p. plates, ports (part col.), fold. col. map, facsimis.

Based in part on *Velikiï letchik nash-ego vremeni*, 1939, and V. P. Chkalov and others' *Dva pereleta*, 1938 (q.v.) A biography of the flier, V. P. Chkalov (1904-1938), the bulk of the volume being devoted to his arctic flights (Moscow-Chkalov Island, July 20-22, 1936, and Moscow-North Pole-Portland, Oregon, U.S.A., June 18-20, 1937) and the events connected with them (p. 116-273). Map shows altitudes of flight, as well as the routes. **Copy seen:** DLC.

1785. BOBROVA, L. I., and M. KH. KACHURIN. Ocherk rastitel'nosti Monche-tundry. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, Seriiâ, Kol'skaia, 1936, Vyp. 11, p. 95-121, fold. map) **Title tr.:** Sketch of the vegetation of Moncha Tundra.

Contains a study of the plant associations of this tundra region in Kola Peninsula, explored by the authors in 1932 as the members of the Botanical section of the Kola Complex Expedition of the Academy of Sciences. Map: Vegetation of the Khibina Massif.

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1786. BOCCARDI, JEAN. Les déplacements des pôles. (Revue scientifique, avril 24, 1926. Ann. 64, p. 225-34) *Title tr.*: Oscillations of the poles.

Contains an historical discussion of the discovery of the displacement of the terrestrial poles; the consequences, the methods and instruments used in study, observations made, and need for further research on this phenomenon. *Copy seen*: DLC.

1787. BOCH, S. G. Geomorfologicheskii ocherk gory Narodnoi. (In: Ural; pripoliarnye raiony, 1935. p. 116-49, illus. (incl. maps)) *Title tr.*: A geomorphological sketch of the region of Mt. Narodnaya.

Results of geomorphological observations made by the Ural Glaciological Expedition organized by the U.S.S.R. Committee of the Second International Polar Year, containing a general morphological description of the region, its glaciers, and polygonal soils. Summary in English, p. 302-303.

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1788. BOCH, S. G. O geomorfologicheskoi rabote rechnogo l'da. (Priroda, 1948, no. 5, p. 29, illus.) *Title tr.*: On the geomorphological action of river ice.

Author's observations of this process in 1946 on Voykar River, left tributary of the Ob' (66°24'N. 63°54'E.)

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BOCH, S. G., see also Aleshkov, A. N. Gornye porody raiona gory Narodnoi. 1935.

1789. BOCHACHEV, M. N. Igarka. (Sovetskaiâ Arktika, 1936, no. 6, p. 36-45, illus.) *Title tr.*: Igarka.

General description of the development of this town on the lower Yenisey (67°30'N. 86°35'E.) under construction since 1929.

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1790. BOCH, F. K. von. Versuch photogrammetrischer Küstenaufnahmen gelegentlich einer Spitsbergen-Expedition im Sommer 1907. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1908. p. 599-604, 2 plates, 2 fold. maps) *Title tr.*: Attempt at a photogrammetric coastal survey during a Spitsbergen expedition, summer 1907.

Results of an expedition organized by Theodor Lerner to observe Walter Wellman's balloon ascent to reach the Pole.

The author gives an account of the methods and results of the survey of Liefde, Bock and Wood Bays, northern West Spitsbergen, carried out by Graf Poninski and von Bock, with maps.

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BOCK, SIXTEN, 1884- , see Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse Schwedischen Exped. 1908. 1910-15.

1791. BODFISH, HARTSON HART-LETT. Chasing the bowhead, as told by Captain Hartson H. Bodfish and recorded for him by Joseph C. Allen. Cambridge, Harvard University Press, 1936. ix, 281 p. 7 plates, 2 port. (incl. front.)

Captain Bodfish hunted whales in arctic waters north of Bering Strait for thirty-one years; was one of the first whalers to winter in the North, and to introduce fresh food into whalers' diet. *Copy seen*: DLC; NNStef.

1792. BODFISH, WALDO, and J. L. MINNER. Nine polar bears. (Alaska sportsman, Sept. 1947. v. 13, no. 9, p. 22-23, 41-42, illus.)

Description of an unusual occurrence witnessed by the senior author in 1927 off Wainwright, North Alaska, viz. thirty or forty polar bears eating from a dead whale carcass; remarks on Eskimo hunting methods, knowledge of approach, etc. *Copy seen*: DLC.

1793. BODYLEVSKII, VITALII IVAN-OVICH, 1898- . Fauna verkhnego volzhskogo îarusa Novoi Zemli. (Leningrad. Vsesoiûznyi arkticheskii institut. Trudy, 1936. T. 49, p. 113-36, 2 plates) *Title tr.*: Fauna of the Upper-Volgian layers of Novaya Zemlya.

Description of several Jurassic and Cretaceous paleontological collections from Novaya Zemlya. Summary in English, p. 133-36. *Copy seen*: DLC.

1794. BODYLEVSKII, VITALII IVAN-OVICH, 1898- . K stratigrafii mezo-zoiskikh otlozhenii Anabarsko-Khatanskogo raiona. (Problemy Arktiki, 1939, no. 10-11, p. 65-67, table) *Title tr.*: On the stratigraphy of Mesozoic deposits of the Anabar-Khatanga region.

Stratigraphical sketch based on the study of materials collected by several expeditions of the Northern Sea Route in Yuryung-Tumus Peninsula (73°48'

N. 110°28'E.) and the Anabar and Khatanga River basins. Table gives a schematic presentation of Jurassic and Cretaceous deposits of the Anabar-Khatanga region. *Copy seen:* DLC.

1795. BODYLEVSKII, VITALII IVANOVICH, 1898- . Ob ūrskikh i nizhnemelovyykh okamenelost'akh iz kollektsii A. Petrenko s Novoi Zemli. (Leninograd. Vsesoiūznyi arkticheskiĭ institut. Trudy, 1936. T. 49, p. 110-12) *Title tr.*: On the Jurassic and Lower-Cretaceous fossils from the collection of A. Petrenko from Novaya Zemlya.

Description of a collection of fossils taken from Novaya Zemlya in 1934. Summary in English, p. 132-33.

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BODYLEVSKII, VITALII IVANOVICH, 1898- , see also Iversen, T., & others. Hopen, Svalbard; reconnaissance 1924. 1926.

BODYLEVSKII, VITALII IVANOVICH, 1898- , see also Samoilovich, R. L., & V. I. Bodylevskii. O nekotorykh ūrskikh okamenelost'akh. 1933.

BODYLEVSKII, VITALII IVANOVICH, 1898- , see also Sokolov, D. N. Mezozoiskie okamenelosti iz Bol'shezemel'skoi tundry. 1928.

BODYLEVSKII, VITALII IVANOVICH, 1898- , see also Sokolov, D. N., & V. I. Bodylevskii. Jura- u. Kreidefauna v Spitzbergen. 1931.

1796. BÖCHER, TYGE WITTRÖCK, 1909- . Biological distributional types in the flora of Greenland; a study on the flora and plant-geography of south Greenland and Eastgreenland between Cape Farewell and Scoresby Sound. København, C. A. Reitzel, 1938. 339 p., 1 l., 147 illus. (incl. maps) 2 plates. (Meddelelser om Grønland. Bd. 106, nr. 2) Issued also as a doctoral dissertation, Copenhagen University, 1938. Results of the 6th and 7th Thule Expeditions to southeast Greenland, 1931-33.

Description of the three hundred ninety-one vascular plant species collected by the 7th Thule Expedition, 1933, with consideration of the taxonomic, cytogenic, floristic and ecological factors relating to the plants; bibliography (329 items). Summary in Danish. *Copy seen:* DGS; DSI-M.

1797. BÖCHER, TYGE WITTRÖCK, 1909- . The Botanical Expedition to West Greenland 1946; introduction with a short mention of the vegetation areas examined. København, C. A. Reitzel, 1949. 27, [1] p. illus. (incl. sketch map) Meddelelser om Grønland. Bd. 147, nr. 1)

Account of the expedition supported by the Carlsberg Foundation, its purpose and activity; description of the locality behind Holsteinsborg, at the head of Søndre Strømfjord, a region intersected by several important phytogeographic borders, and having extreme climatic conditions; field-notes on vegetation of various regions in the area, and a general survey of the collections made by the expedition; with a bibliography (11 items).

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1798. BÖCHER, TYGE WITTRÖCK, 1909- . Botany. The Blossville Coast of East Greenland. Appendix 3. (Geographical journal, May 1933. v. 81, p. 400-402)

Discussion (in brief) of the plant communities and plant zones, studied during the Scoresby Sound Committee's 2nd East Greenland Expedition, in 1932 to King Christian IX's Land.

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1799. BÖCHER, TYGE WITTRÖCK, 1909- . Climate, soil, and lakes in continental West Greenland in relation to plant life. København, C. A. Weitzel, 1949. 63 p. illus. (incl. sketch map) 4 plates. (Meddelelser om Grønland. Bd. 147, nr. 2)

Results of the four-man Botanical Expedition to West Greenland, 1946, led by the author, who used also in this study, data originating from work at air bases in South and West Greenland from the end of 1941 to 1946. Discussion of the climate at the head of Søndre Strømfjord compared with that of the rest of southwest Greenland; some climatically conditioned main features in the plant geography; microclimate; the pH, electric conductivity, salt crusts, potassium and phosphoric acid values of the soils (head of Søndre Strømfjord); and the plant relations of lakes with varying salt content and acidity. Bibliography (44 items).

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1800. BÖCHER, TYGE WITTRÖCK, 1909- . Contribution to the flora and

plant geography of West Greenland. 1. *Selaginella rupestris* and *Sisyrinchium montanum*. København, C. A. Reitzel, 1948. 26 p. illus. (incl. 5 sketch maps) 2 plates. (Meddelelser om Grønland. Bd. 147, nr. 3)

Results of the Botanical Expedition to West Greenland, 1946. Description of the biology and distribution of two species (*Selaginella rupestris* and *Sisyrinchium montanum*) of particular interest as bearing on the question, of post-glacial immigration of plants, and plant refuges during the glacial periods in Greenland; bibliography (37 items).

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1801. BÖCHER, TYGE WITTRÖCK, 1909-. On the origin of *Saxifraga nathorstii* (Dusén) v. Hayeck. København, C. A. Reitzel, 1941. 14 p. 5 illus. (Meddelelser om Grønland. Bd. 131, nr. 2)

Cytological study on this hybrid saxifrage, with a bibliography (27 items).

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1802. BÖCHER, TYGE WITTRÖCK, 1909-. Phytogeographical studies of the Greenland flora, based upon investigations of the coast between Scoresby Sound and Angmagssalik. København, C. A. Reitzel, 1933. 56 p. illus. (incl. diagr.) 8 maps (1 double) (Meddelelser om Grønland. Bd. 104, nr. 3)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land. The area investigated (East Greenland coast 68°-69°30'N.) is treated in 14 divisions: Scoresby Sound, Turner Sound and Island, Cape Dalton region, Barclay Bay, d'Aunay Bay, Store Glacier region, Cape Daussey, Cape Ravn, Mikis and Watkins Fiords, Kangerdlugssuaq (inner and outer), 66°30'-68°N., and Angmagssalik District (northern and southern).

A study of floristic boundaries; the author shows a pronounced floristic boundary on Bløseville Coast in about 68°43'-68°48'N., by computing the floristic decline in a northerly and southerly direction; also shows the distribution of the chief associations in relation to the floristic boundaries; and gives a preliminary review of the phytogeographic division of Greenland. Bibliography (56 items).

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1803. BÖCHER, TYGE WITTRÖCK, 1909-. Studies on the vegetation of the east coast of Greenland between Scoresby Sound and Angmagssalik (Christian IX's Land). København, C. A. Reitzel, 1933. 132, [2] p. incl. illus., tables, 6 plates, maps (1 fold.) (Meddelelser om Grønland. Bd. 104, nr. 4)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land. These ecological results include a description of the individual localities mentioned in the author's *Phytogeographical studies* (etc.) 1933, q.v.; detailed description of the plant communities and their conditions, life-forms in the communities, and geographical distribution of the associations; with a bibliography (91 items).

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1804. BOECK, AXEL, 1833-1873. De skandinaviske og arktiske amphipoder. Christiania, A. W. Brøgger, 1872-76. 2 v. in 1: v. 1: 1 p. l., 160 p.; v. 2: iv, 161-711, [1] p., 1 l. front. (port.) 32 plates. Each plate accompanied by leaf with descriptive letterpress. *Title tr.:* The Scandinavian and arctic amphipodes.

Vol. 2 was edited by Hakon Boeck after the death of Axel Boeck.

This comprehensive work gives a description of the morphology of the amphipodes; alphabetic list of the more important works written about this order of crustaceans to 1870; chronological survey of knowledge of the amphipodes, from Aristotle to the year 1855; development of a system of classification; descriptions of species, with habitats, distribution and other data. Includes alphabetic listing of the species (p. 705-711), and a preface to each volume.

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BOECK, HAKON, 1832-, *see* Boeck, A. Skandinaviske og arktiske amphipoder. 1872-76.

1805. BOE, JOHANNES, 1891-, and A. NUMMEDAL. Le Finnmarkien; les origines de la civilisation dans l'extrême-nord de l'Europe. Oslo, H. Aschehoug & Co.; Cambridge, Mass., Harvard University Press; [etc., etc.] 1936. 5 p. l., 263 p., 1 l. 46 illus. (incl. maps) 104 plates. (Institutet for sammenlignende kulturforskning. [Publikasjoner] ser.

B: Skrifter. 32) *Title tr.*: The Finnmarkian; the origins of civilization in the far North of Europe. Translated from the Norwegian manuscript by Jean Lescoffier.

Describes the stone artifacts from dwelling sites of a previously unknown Paleolithic culture along the fiords of Northern Finnmark, Norway, and discusses the age and origin of this *Finnmarkian civilization* on the basis of an analysis of glacial geology of northern Europe and distribution of archeologic finds from other parts of Europe and Asia. Includes general description of the physical geography of Finnmark, and detailed descriptions of archeological sites. Plates show views of archeological sites and large-scale photographs of stone artifacts. Bibliography, p. 257-63.

Maps: (1) location of Finnmark, on small-scale map of Europe; (2) north coast of Finnmark, scale about 1:2,500,000, showing archeologic sites; (3) sketch map, scale about 1:75,000, showing archeologic sites on coast near 31° E. long., east of Kirkenes; (4) small-scale map of northern Europe showing position of front of last continental glacier in northern Europe at various periods.

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1806. BØGGILD, OVE BALTHASAR, 1872- . Dahllit fra Kangerdluarsuk. (Meddelelser om Grønland, 1915. Bd. 51, p. 435-43. plate XIII) *Title tr.*: Dahllite from Kangerdluarsuk.

Modes of occurrence and physical and chemical properties of dahllite from the Kangerdluarsuk region, Julianehaab District, West Greenland.

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1807. BØGGILD, OVE BALTHASAR, 1872- . Dahllit von Kangerdluarsuk. (Zeitschrift für Krystallographie und Mineralogie, 1920. Bd. 55, p. 417-24, illus.) *Title tr.*: Dahllite from Kangerdluarsuk.

Detailed description of the mineral, collected by K. J. V. Steenstrup in 1888, in West Greenland.

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1808. BØGGILD, OVE BALTHASAR, 1872- . The deposits of the sea-bottom. Copenhagen, B. Luno, 1900. 1 p. l., 89 p., 7 plates (charts), tables. (*Ingolf*-expedition, 1895-1896. [Reports] v. 1, pt. 2, no. 3)

Of the ninety-one bottom samples taken during the two cruises of the *Ingolf*, thirty were from Davis Strait, Denmark Strait, or Greenland Sea between Iceland and Jan Mayen. This report gives description of the samples, and discussion of percentage of different grain size, their mineralogical nature, organic ingredients, and coecoliths; with tabular presentation of the localities, depths and bottom temperatures of the stations, for the two cruises.

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1809. BØGGILD, OVE BALTHASAR, 1872- . Examination of some rocks from North-Greenland collected by Knud Rasmussen and P. Freuchen in the year 1913. (Meddelelser om Grønland, 1915. Bd. 51, p. 383-86)

Brief discussion of rocks from thirteen localities in Peary Land, Denmark Fiord regions of North Greenland, collected on the first Thule Expedition, 1912.

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1810. BØGGILD, OVE BALTHASAR, 1872- . The geology of Greenland. (*In*: Greenland. Copenhagen, 1928-29. v. 1, p. 231-55, 6 sketch maps; v. 3, p. 405-406)

This paper is mainly a summary of the stratigraphy, with brief sections on geologic history, movements of the earth crust, oscillations of climate, and surface conditions, and a bibliography. *Appendix III*: Additions, from Laue Koch's work in East Greenland, 1926-27.

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1811. BØGGILD, OVE BALTHASAR, 1872- . Grønland. Heidelberg, C. Winter, 1917. 38 p. illus. (incl. 5 maps) (*In*: Handbuch der regionalen Geologie, hrsg. von G. Steinmann und O. Wilckens, 1910-44. Bd. 4, Abt. 2a [21. Heft]) *Contents tr.*: 1. Morphology (coast lines, inland ice, topography, earthquakes). 2. Stratigraphy and types of rocks. 3. Sketch of the historical geology. 4. Orographic elements. 5. Important mineral occurrences (cryolite, copper, galena, silver, gold, graphite, lignite, eudialyte, and talc). Bibliography.

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1812. BØGGILD, OVE BALTHASAR, 1872- . Iagttagelser over kryolitgruppens mineraler. (Meddelelser om Grønland, 1912. Bd. 50, p. 105-132. plate III, diagrs.) *Title tr.*: Observations on the minerals of the cryolite group.

Descriptions of ten minerals of the cryolite group and comparative observations on the refraction of light and the specific gravity of various fluorides.

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1813. BØGGILD, OVE BALTHASAR, 1872- . Igalikite and naujakasite, two new minerals from south Greenland. København, C. A. Reitzel, 1933. 12 p. 2 plates. (Meddelelser om Grønland. Bd. 92, nr. 9)

Physical properties and chemical analyses of two minerals from Julianehaab District; igalikite (contained in rock specimens from the Igaliko Fiord region) and naujakasite (collected by G. Flink at Narsarsuk in the Tunugdliarfik Fiord region in 1897).

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1814. BØGGILD, OVE BALTHASAR, 1872- . Krystalform og tvillingdannelse hos kryolit, perovskit og boracit. (Meddelelser om Grønland. 1912. Bd. 50, p. 1-95 incl. tables, diagrs. plates I-II) *Title tr.:* Crystal form and twinning of cryolite, perovskite and boracite.

Contains (1) discussion of the structure of cryolite; (2) theory of the twinning laws of cryolite, perovskite and boracite; and (3) discussion of the structure of perovskite and boracite.

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1815. BØGGILD, OVE BALTHASAR, 1872- . Leifite, ein neues Mineral von Narsarsuk, Grönland. (Zeitschrift für Kristallographie und Mineralogie, 1920. v. 55, p. 425-29) *Title tr.:* Leifite, a new mineral from Narsarsuaq.

Crystallographic and physical description of a mineral from the region of 61°09'N. 45°25'W. southwest Greenland.

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1816. BØGGILD, OVE BALTHASAR, 1872- . Leifite, et nyt mineral fra Narsarsuk. (Meddelelser om Grønland, 1915. Bd. 51, p. 427-33) *Title tr.:* Leifite, a new mineral from Narsarsuaq.

Physical and chemical properties and modes of occurrence of leifite from Narsarsuaq, Julianehaab District, West Greenland.

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1817. BØGGILD, OVE BALTHASAR, 1872- . Lokaliteten die von Giesecke erwähnt sind. (In: Giesecke, Sir C. L. Karl Ludwig Gieseckes mineralogisches

Reisejournal, pt. 4. *Pub.* in: Meddelelser om Grønland, 1910. 35. hefte, p. 491-510) *Title tr.:* Localities mentioned by Giesecke.

List of about 1600 Eskimo names of places in West Greenland with indication of their district and page references to Giesecke's diary. This list complements F. Johnstrup's *Lokaliteter . . . undersøgte af Giesecke*, 1878, q.v.

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1818. BØGGILD, OVE BALTHASAR, 1872- . The meteoric iron from Savik near Cape York, North Greenland. (Meddelelser om Grønland, 1930. Bd. 74, p. 9-30, 1 l. illus., map, diagrs. 6 plates) Published also as: Copenhagen. Universitet. Mineralogisk-geognostiske museum. Contributions to mineralogy, no. 22.

Report of discovery and description of the "Savik meteorite" and comparison with other meteorites found in the Cape York region; also chemical and microscopic analysis of the rock.

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1819. BØGGILD, OVE BALTHASAR, 1872- . Mineralogia groenlandica. (With a short summary of contents). [Kjøbenhavn, C. A. Reitzel] 1905. xix p., 1 l., 625 p. fold. map, diagrs. (Meddelelser om Grønland. 32. hefte) *Title tr.:* Mineralogy of Greenland.

Classified list, with record of chemical and physical properties, localities and discovery of one hundred sixty-two minerals; also register of localities and alphabetical index of minerals. Summary in English, p. 623-25.

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1820. BØGGILD, OVE BALTHASAR, 1872- . The minerals from the basalt of East-Greenland. (In: Amdrup, G. C. Carlsberg-fondets expedition til Øst-Grønland. 2 del, nr. 3. *Pub.* in: Meddelelser om Grønland, 1909. Bd. 28, p. 97-129, diagrs.)

Analysis of fifteen minerals with descriptions of the basalt regions from Shannon Island to Davy Sound (about 75°-77°N.) and from Scoresby Sound to Kangerdlugssuaq (about 68°-70°N.)

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1821. BØGGILD, OVE BALTHASAR, 1872- . Mining in Greenland. (In: Greenland. Copenhagen, 1929. v. 3, p. 387-99)

Discussion of the occurrence and exploitation of cryolite, asbestos (mention only), copper, graphite, and coal, with brief remarks on Eskimo use of talc.

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1822. BØGGILD, OVE BALTHASAR, 1872- . Om britolitens krystallform. (Meddelelser om Grønland, 1910, *pub.* 1911. Bd. 47, p. 275-82, diagrs.) *Title tr.:* On the crystal form of britholite.

Discussion of a goniometric investigation of specimens from Nauyasakik, Julianehaab District.

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1823. BØGGILD, OVE BALTHASAR, 1872- . Om en formodet sænkning af havbunden mellem Island og Jan Mayen. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1902. Bd. 54, p. 249-58) *Title tr.:* On a supposed subsidence of the ocean floor between Jan Mayen and Iceland.

Challenge of A. S. Jensen's theory (based on the occurrence of shallow-water shells in the deep sea) of a subsidence of the ocean floor between Iceland and Jan Mayen (discussed in Jensen's *Om levninger af grundtvandsdyr paa store havdyb mellem Jan Mayen og Island*, 1901, q.v.); Includes remarks upon possible transportation of shells by ice.

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1824. BØGGILD, OVE BALTHASAR, 1872- . On gyrolite from Greenland. (Meddelelser om Grønland, 1910. Bd. 34, p. 91-114. *illus.*)

Discussion of the mineral gyrolite, occurring in Niakornat of Nugssuaq Peninsula and in other localities in West Greenland.

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1825. BØGGILD, OVE BALTHASAR, 1872- . On ilvaite from Siorarsuit at Julianehaab, Greenland. (Meddelelser om Grønland, 1902. Bd. 25, p. 43-89, diagrs.)

Discussion of the territory and analysis of the mineral ilvaite, collected by various Danish expeditions.

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1826. BØGGILD, OVE BALTHASAR, 1872- . On some minerals from Nar-sarsuk at Julianehaab, Greenland. (Meddelelser om Grønland, 1907. Bd. 33, p. 95-120, *illus.*)

Analysis of eight minerals, collected during Bernburg's expeditions to West Greenland, 1903-1905.

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1827. BØGGILD, OVE BALTHASAR, 1872- . On some minerals from the nephelinite-syenite at Julianehaab, Greenland (erikite and schizolite). (Meddelelser om Grønland, 1904, Bd. 26, p. 91-139 incl. 1 *illus.*, tables, diagrs.)

Analysis of the new mineral erikite found by N. V. Ussing near Tunugdliarfik Fiord during the Geological Expedition to Julianehaab District, 1900; and new examinations of schizolite found by G. Flink during his mineralogical journey to south Greenland, 1897.

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1828. BØGGILD, OVE BALTHASAR, 1872- . On the bottom deposits of the North Polar Sea. [Christiania [etc.] J. Dybwad, 1906] 62, [1] p. *illus.*, 3 plates (fold. chart, diagrs.) (Nansen, Fridtjof, *ed.* Norwegian North Polar Expedition 1893-96. Scientific results. v. 5, no. 14)

Discussion of mechanical, mineralogical and organic composition of samples as a whole. *Appendices:* 1. Heindenreith, O. N., and C. J. J. Fox. Analyses of the bottom deposits. 2. Kiaer, Hans. *Thalamophora* from bottom samples and from mud on the surface of the ice.

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1829. BØGGILD, OVE BALTHASAR, 1872- . Samples of the sea-floor along the coast of East Greenland. (*In:* Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 2. del, nr. 2. *Pub.* in: Meddelelser om Grønland, 1909. Bd. 28, p. 17-95, tables, plates I-IX, incl. col. fold. map)

Contents: 1. Introduction. 2. Mechanical constitution of the samples. 3. Mineralogical constitution of the samples. 4. General view of the factors which contribute to the formation of deposits. 5. The organic ingredients of the samples.

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1830. BØGGILD, OVE BALTHASAR, 1872- . Sédiments sous-marins recueillis dans la Mer du Grönland. (*In:* Orléans, L. P. R., *duc d'* Croisière océanographique accomplie à bord de la Belgica dans la Mer du Grönland 1905, *pub.* 1907. p. 85-98, chart) *Title tr.:* Bottom sediments from Greenland Sea. (Oceanographic cruise on board the Belgica in Greenland Sea 1905)

Contains a table showing the locality, depth, color, petrographic composition and compactness of thirty-seven samples; a discussion of various regions of

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the sea; data on percentage of particle sizes and mineralogical components of the samples; and notes on the existence of a submarine moraine along Greenland's east coast, and on the rocks ashore.

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1831. BØGGILD, OVE BALTHASAR, 1872-. De stalaktitiske mineraler fra Ivigtut. (Meddelelser om Grønland, 1912. Bd. 50, p. 175-85, plate) *Title tr.:* The stalactite minerals from Ivigtut.

Descriptions of three stalactite minerals formations from the Ivigtut region of southwest Greenland.

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1832. BØGGILD, OVE BALTHASAR, 1872-. Ussingit, ein neues Mineral von Kangerdluarsuk. (Zeitschrift für Kristallographie und Mineralogie, 1914. Bd. 54, p. 120-26) *Title tr.:* Ussingite, a new mineral from Kangerdluarsuk.

Crystallography and physical characteristics of a mineral collected by K. J. V. Steenstrup in 1888, in West Greenland.

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1833. BØGGILD, OVE BALTHASAR, 1872-. Ussingit, et nyt mineral fra Kangerdluarsuk. (Meddelelser om Grønland, 1913, pub. 1915. Bd. 51, p. 103-110, plate IX, diagr.) *Title tr.:* Ussingite, a new mineral from Kangerdluarsuk.

Description of ussingite, collected during the Geological Expedition to Julianehaab District, 1900.

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1834. BØGGILD, OVE BALTHASAR, 1872-, and CHR. WINTHER. On some minerals from the nephelite syenite at Julianehaab, Greenland (epistolite, britholite, schizolite and steenstrupite) collected by G. Flink. (In: Flink, G., and others. Undersøgelser af mineraler fra Julianehaab, pt. 2. Pub. in: Meddelelser om Grønland, 1899. Bd. 24, p. 181-213)

Discussion of the new minerals, epistolite, britholite and schizolite and new examinations of steenstrupite.

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BØGGILD, OVE BALTHASAR, 1872-, see also Dreyer, C., & V. Goldschmidt. Ueber Albit von Grønland. 1910.

BØGGILD, OVE BALTHASAR, 1872-, see also Hammer, R. R. J., & others. Almindelig oversigt (Grønland). 1921.

BØGGILD, OVE BALTHASAR, 1872-, see also Ussing, N. V., & O. B. Bøggild. Geology of country around Julianehaab. 1912.

1835. BØGVAD, RICHARD, 1897-. Dansk interesse for en teknisk udnyttelse af nefelinsyenit fra Grønland. (Dansk geologisk forening. Meddelelser, 1949. Bd. 11, p. 503-506, illus.) *Title tr.:* Danish interest in a technical exploitation of nepheline syenite from Greenland.

Discussion before the Danish Mineralogic-Petrographic Club meeting Dec. 16, 1949, of the discovery, investigation and technical research on nepheline syenite in southwestern Greenland, especially in the Kangerdluarsuk region (Julianehaab District); and remarks on the minerals, rocks and metals associated with it.

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1836. BØGVAD, RICHARD, 1897-. Efterforskning af mineralforekomster i Grønland. (Dansk geologisk forening. Meddelelser, 1949. Bd. 11, p. 488-90) *Title tr.:* Research on the occurrence of minerals in Greenland.

Lecture before the Danish Geological Society, Mar. 14, 1949, sketching the history of mineralogical investigations in Greenland.

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1837. BØGVAD, RICHARD, 1897-. New minerals from Ivigtut, southwest Greenland. København, C. A. Reitzel, 1933. 11 p. 1 illus., 2 plates. (Meddelelser om Grønland. Bd. 92, nr. 8)

Physical properties and chemical analyses of jarlite and meta-jarlite, two new minerals collected at Ivigtut (61° 12'N. 48° 16'W.) in 1920, by Svend Jarl.

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1838. BØGVAD, RICHARD, 1897-. Quaternary geological observations, etc., in south-east and south Greenland. København, C. A. Reitzel, 1940. 42 p. illus. (incl. maps) (Meddelelser om Grønland. Bd. 107, nr. 3)

Result of "casual" observations made during the 7th Thule Expedition under Knud Rasmussen to southeast Greenland, 1932-33, when the author's attention was directed mainly to other geologic studies. Description of late Quaternary land rise, recent subsidence, peat bogs, glacial recession, the Igdlorssuit Glacier, icefall and ice caves, also blocks transported by drift ice,

in the region between Cape Farewell and Cape Dalton. *Copy seen:* CaMAI.

1839. BØGVAD, RICHARD, 1897- . Weberite, a new mineral from Ivigtut. København, C. A. Reitzel, 1938. 11, [1] p. illus., plate. (Meddelelser om Grønland. Bd. 119, nr. 7)

Full description and results of chemical analysis of the new mineral, with note on the chemical treatment of cryolite which resulted in its discovery in Aug. 1937. *Copy seen:* DSI-M.

1840. BØGVAD, RICHARD, 1897- , and ALFRED ROSENKRANTZ. Beiträge zur Kenntnis der unteren Kreide Ostgrönlands. København, C. A. Reitzel, 1934. 28 p. illus. (incl. map) 5 plates. (Meddelelser om Grønland. Bd. 93, nr. 1) *Title tr.:* Contributions to the knowledge of the Lower Cretaceous in East Greenland.

Contains descriptions of the localities and rocks on Kuhn, Clavering, and Shannon Islands; and list, with synonymy, occurrence and remarks, of fossil molluscs; also general remarks on the Mesozoic of Kuhn Island. Bibliography (128 items).

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1841. BÖHM, JOHANNES, 1857- . Über die obertriadische Fauna der Bäreninsel. Stockholm, P. A. Norstedt, 1903. 76 p. illus., 7 plates. (Svenska vetenskapsakademien. Handlingar. [Ny följd] Bd. 37, no. 3) *Title tr.:* On the Upper Triassic fauna of Bear Island.

List, with descriptions, localities and references to literature, of Triassic fossils collected by the Swedish Arctic Expedition, 1898, and the Swedish Expedition to Bear Island (Bjørnøya), 1899.

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1842. BÖHM, JOHANNES, 1857- . Über *Nathorstites* und *Dawsonites* aus der arktischen Trias. (Deutsche geologische Gesellschaft. Zeitschrift, 1904. Bd. 56, briefliche Mitteilungen, p. 96-97)

Notice of change of name from *Arctoceras* to *Nathorstites*, for a Bear Island (Bjørnøya) fossil cephalopod.

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1843. BÖHM, JOHANNES, 1857- . Ueber Triasfossilien von der Bären-Insel. (Deutsche geologische Gesellschaft. Zeitschrift, 1899. Bd. 51, p. 325-26) *Title tr.:* Triassic fossils from Bear Island.

Report on determination of six molluscan species collected by A. G. Nathorst in 1898. *Copy seen:* DGS.

1844. BÖHM, JOHANNES, 1857- . Über Triasversteinerungen vom Bellsunde auf Spitzbergen. [Stockholm] 1912. 15 p. illus., plate. (Arkiv för zoologi. Bd. 8, no. 2) *Title tr.:* Triassic fossils from Bell Sound, Spitsbergen.

Based on collections of the Nathorst Expedition, 1898. Description of localities, remarks on the geology, annotated list (with synonyms, localities, and descriptions) of fourteen (including with descriptions one new brachiopod and four new pelecypod) species of fossils, including a cephalopod, and mention of a crustacean and some fish scales. *Copy seen:* DA.

1845. BÖHNECKE, GÜNTHER. Beiträge zur Ozeanographie des Oberflächenwassers in der Dänemarkstrasse und Irminger See. Teil I. Zugleich Bericht über die Fahrt des "Meteo" im Sommer 1930. (Annalen der Hydrographie und maritimen Meteorologie, Sept. 1931. Bd. 59, p. 317-25, illus., fold. diags.) *Title tr.:* Contributions to the oceanography of the surface water in Denmark Strait and Irminger Sea. Pt. 1. Report on the *Meteo* Expedition, 1930.

Contains discussion of the temperature-salinity relationship, the mean surface distribution of temperature, salinity and density, the resultant currents (East Greenland and Irminger), and the surface temperature-salinity for Aug. 1928 and 1930.

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1846. BÖHNECKE, GÜNTHER, and others. Beiträge zur Ozeanographie des Oberflächenwassers in der Dänemarkstrasse und Irminger See. II. Teil. (Annalen der Hydrographie und maritimen Meteorologie, Aug. 1932. Bd. 60, p. 314-21, illus., 2 fold. diags.) *Title tr.:* Contribution to the oceanography of the surface waters of Denmark Strait and Irminger Sea, pt. 2. *Other authors:* B. Foyn and H. Wattenburg.

Based on the observations of the *Meteo* Expedition, Aug. 1930, a discussion of the relationship between the chemistry and plankton in the East Greenland and Irminger Currents and their mixed waters. *Copy seen:* DLC.

1847. BÖHNECKE, GÜNTHER, and others. Über die hydrographischen,

chemischen und biologischen Verhältnisse an der Meeresoberfläche zwischen Island und Grönland. Ergebnisse einer Fahrt mit dem Vermessungsschiff "Meteor" im August 1929. (Annalen der Hydrographie und maritimen Meteorologie, Juli 1930. Bd. 58, p. 233-50, illus., fold. diagrs.) *Title tr.*: On the hydrographic, chemical, and biological relationship in surface waters between Iceland and Greenland. Results of the Meteor Expedition in August 1929. *Other authors*: E. Hentschel and H. Wattenberg.

Contains discussion of (1) the temperature, salinity, density and currents, (2) the phosphate, nitrate, ammonia, oxygen and pH, (3) the plankton, and (4) the connection between the distribution of plankton, nutrients, salinity, temperature and density.

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BÖHNECKE, GÜNTHER, *see also* Defant, A., & others. Ozeanographischen Arbeiten Meteor 1929-35. 1936.

1848. BÖHTLINGK, OTTO von, 1815-1904. Über die Sprache der Jakuten. Theil 1. Einleitung. Jakutischer text. Jakutische Grammatik. St. Petersburg, 1851. liv, 397, ii p. (Middendorff, A. T. v., and others. Reise in der äussersten Norden und Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 3, Theil 1) *Title tr.*: On the Yakut language. Part 1. Introduction. Yakut text. Yakut grammar.

Contains in the introduction (p. i-liv), a history of linguistic research among the Yakuts, characterization of the Yakut language, and discussion of its Turkic and Mongolic affiliations. Yakut text (p. 1-96), is an autobiographical statement by a Yakut-raised Russian, Uvarovskiy, with text in Yakut and German, including description of Yakut life and beliefs. Yakut grammar (p. 97-395), includes detailed analysis of phonetics, word construction, declension, and syntax. This and the item following (Theil 2) were also issued together in one volume in 1851 (p. l, lviii, 300, 97 p.; p. l, 184 p.)

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1849. BÖHTLINGK, OTTO von, 1815-1904. Über die Sprache der Jakuten. Theil 2. Jakutisch-Deutsches Wörterbuch. St. Petersburg, 1851. 3 p. l, 184 p. (Middendorff, A. T. v., and others. Reise in den äussersten Norden und

Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 3, Theil 2) *Title tr.*: On the Yakut language. Part 2. Yakut-German dictionary.

Contains Yakut words in Cyrillic alphabet, German translation and, for some words, citation of sources. Nearly three hundred additional words, phrases or definitions are given in Middendorff's *Die Eingeborenen Sibiriens*, 1875, q.v.

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BÖHTLINGK, OTTO von, 1815-1904, *see also* No. 1858.

BÖHTLINGK, OTTO von, 1815-1904, *see also* Ergis, G. U. Sobiranie i izuchenie jakutskogo fol'klora. 1947.

1850. BØJE, OVE, 1904-. Toxin in the flesh of the Greenland shark (communication from Upernavik and the University Zoophysiological Laboratory at Copenhagen). København, C. A. Reitzel, 1939. 16 p. (Meddelelser om Grønland. Bd. 125, nr. 5.)

Detailed description of symptoms of poisoning in dogs, with results of investigations into the effect of drying the meat. Symptoms prove that it must be a nerve toxin with both irritating and paralyzing effects; and that the substance involved is closely related to muscarine.

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BOEKELMAN, H. F., *see* Geist, O. W., & F. G. Rainey. Archaeological excavation at Kukulik. 1936 [1937].

1851. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909. Aräometerbeobachtungen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 667-701, incl. tables) *Title tr.*: Aerometer observations.

Contains tables of specific gravity of the surface and deep water taken en route to and from Sabine Island; comparison of waters of North Sea, North Atlantic, and Greenland Sea, including figures taken in the ice; section on the amount of the ice-cover of the polar sea. The last is a technical discussion of the melting and formation of ice, and the effects of currents and temperature, all based on Greenland Sea observations, and giving a hypothetical figure on the amount of ice in the Arctic Ocean.

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1852. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909. Bemerkung über das Polarlicht. (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 930-32*) *Title tr.:* Observation of the aurora.

The winter station from which observations were made, was at Sabine Island, East Greenland.

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1853. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909. Beobachtungen an anderen Küstenpunkten (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 923-29*) *Title tr.:* Observations at other coastal points.

Geomagnetic results from several points on the ice, on Shannon and Little Pendulum Islands, at Franz Joseph Fiord and some other mainland points between 73°07'N. and 76°23'N.

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1854. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909. Beobachtungen auf Sabine-Insel. (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 895-922, tables, 3 fold. diagrs.*) *Title tr.:* Observations on Sabine Island.

Results of geomagnetic observations.

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1855. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909. Die internationalen Polarexpeditionen. (Deutsche geographische Blätter. 1882. Bd. 5, p. 283-307) *Title tr.:* The international polar expeditions.

Summarizes the background, program, and status of the first International Polar Year. Describes the outfitting and departure of the German expeditions. Includes table, followed by brief summaries, of fifteen participating expeditions, with destination, nationality, leadership, personnel, etc. of each.

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1856. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909, and R. COPELAND. Astronomische Ortsbestimmungen. (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 710-53*) *Title tr.:* Astronomical determinations of position.

Tables of time, azimuth, latitude and longitude for Sabine Island, Walrus Island, Little Pendulum Island, Capes Philip Broke, Pansch and Børgen (Shannon Island), Broer Ruys, and Franklin, (Jackson Island), Franz Joseph Fiord, Mackenzie Bay, etc.

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1857. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909, and R. COPELAND. Geschwindigkeit des Schalls bei niedrigen Temperaturen. (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 933-34*) *Title tr.:* The speed of sound at low temperatures.

Report on experiments carried out during the wintering at Sabine Island, East Greenland.

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BÖRGEN and COPELAND, see also No. 1859.

1858. BÖHTLINGK, OTTO von, 1815-1904. Zur Orthographie im Jakutischen. (Akademii nauk SSSR. Bulletin, 1876. T. 21, p. 512-17; Mélanges asiatiques, t. 7, p. 761-67) *Title tr.:* On Yakut orthography.

Comments on A. T. Middendorff's remarks regarding the author's study of Yakut language, *Über die Sprache der Jakuten*, 1851, q.v. No. 1848-1849.

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1859. BÖRGEN, CARL NICOLAI JENSEN, 1843-1909, and R. COPELAND. Recognoscirung für eine Gradmessung. (*In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 772-860, incl. tables. fold. sketch map*) *Title tr.:* A reconnaissance for a measurement of degree.

The foreword gives the program and an account of the activities, followed by results of the measurements of the base, and angles and the computations. The work was carried out in the region of Little Pendulum, Sabine, Kuhn and Shannon Islands, and Hochstetter Foreland, in East Greenland.

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BÖRGEN, CARL NICOLAI JENSEN, 1843-1909, see also Koldewey, K., & others. Fahrt der Germania. 1873.

1860. BORGESSEN, FREDERIK, 1866-. Ferskvandsalger fra Østgrønland. (*In: Ryder, C. H. Den østgrønlandske*

expedition. 2. del, 1. Pub. in: Meddelelser om Grønland, 1896. 18. hefte, p. 1-41, illus., plates 1-2) *Title tr.*: Freshwater algae from East Greenland.

List, with localities and remarks, of species collected in the Scoresby Sound region, chiefly in Denmark Island. Summary in French, p. 479-81.

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1861. BØRGENSEN, FREDERIK, 1866-. Freshwater algae from the *Danmark Expedition* to northeast Greenland (N. of 76°N. lat.). 1910. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 3. (Meddelelser om Grønland, 1917. Bd. 43, p. [69]-90, illus.)

Contains discussion of collections made in other parts of Greenland, and the localities of the present collection; a list (with notes and locations) of seventy-three species from bogs, lakes, and streams in the immediate vicinity of Danmarks Havn, 76°46'N. 18°45'W., Germania Land.

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1862. BÖRNSTEIN, RICHARD, 1852-1913. Bemerkungen über die halbtägige Luftdruckschwankung im arktischen Gebiete. (Meteorologische Zeitschrift, Nov. 1909. Bd. 26, p. 519-21) *Title tr.*: Remarks on the twelve-hour pressure variation in the arctic regions.

Copy seen: DA.

1863. BØRRESEN, P. Undersøgelse af dødsårsagerne indenfor de herrnhutiske menigheder ved Ny Herrnhut og Lichtenfels fra 1738 til 1900. (Grønlandske selskab. Aarsskrift, 1936. p. 94-117, tables) *Title tr.*: Investigation of causes of death within the Moravian congregations at New Herrnhut and Lichtenfels from 1738 to 1900.

Contains data on the nosology of the West Greenland population with special emphasis on the death rate and causes of death among the members of the Moravian communities at New Herrnhut and Lichtenfels, 1738-1900, also among the missionaries at New Herrnhut, Lichtenfels and Umanak, 1742-1899. Includes statistics (in German).

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1864. BØRRESEN, P. Undersøgelser over befolkningens levealder i Godthaab laegedistrikt. (Grønlandske selskab. Aarsskrift, 1935. p. 93-102, tables) *Title tr.*: Investigation of the life span in the Godthaab medical district.

Contains the author's investigations, based on data in the local church records 1741-1930, with statistics showing average age of men and women.

Copy seen: NN.

BOETHIUS, SIMON BERTIL, 1885-; see Lundqvist, M. Norrland. 1942.

1865. BOETHIUS, V. Om Lapland og lapperne. (Geografisk tidsskrift, Kjøbenhavn, 1886. Bd. 8, p. 145-51) *Title tr.*: On Lapland and the Lapps.

Discussion of Lapps in Norway, Sweden, Finland and Russia north of 66°N.; their physical characteristics, dwellings, clothing, reindeer husbandry, psychological characteristics, education, mythology, dancing and mortuary customs, etc.

Copy seen: DLC.

BOGDANOV, A. S., see L'Arg, L. S., & others. Promyslovye ryby SSSR. 1949.

1866. BOGDANOV, F. R. Meditsinskaiâ pomoshch' malym narodnostiam Krainego Severa. (In: Sovetskii Sever; pervyi sbornik statei, 1929. p. 182-99, illus.) *Title tr.*: Medical care for the native peoples of the far North.

Discussion of diseases among the aborigines of the Soviet North and efforts to combat them, based on work of medical survey parties, 1924-27.

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1867. BOGDANOV, S. Chukchi na samoletakh. (Sovetskaiâ Arktika, 1940. no. 6, p. 25-29, illus.) *Title tr.*: The Chukchis on airplanes.

Describes experience of training a group of Chukchi students in aeronautics in 1938-39. *Copy seen:* DLC.

1868. BOGDANOVICH, K. I. Ocherk dīaiatel'nosti Okhotsko-Kamchatskoi gornoī ekspeditīi 1895-1898 g.g. (Vsesoiūznoe geograficheskoe obshchestvo. Izviestiā, 1899. T. 35, p. 549-600) *Title tr.*: An outline of the activities of the Okhotsk-Kamchatka Mining Expedition of 1895-1898.

Narrative and the principal results of a government-sponsored expedition in search of gold, led by the author. After exploring the western coast of the Sea of Okhotsk, the party met at the mouth of Tigil River (about 58°N. 158°40'E.) and (p. 578), spent the last year covering the west coast of Kamchatka to Bol'sheretsk, as well as the mountains of the interior, especially Sredinny Khrebet; a snow storm,

which delayed the expedition near Ozerovskiy Pass in that range, is described in detail (p. 586-91).

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BOGDANOVICH, K. I., *see also* Tîushov, V. N. Po zapadnomu beregu Kamchatki. 1906.

1869. BOGDANOVSKAYA-GIENEF, I. D. Novye dannye po flore ostrova Kolgueva. (Problemy Arktiki, 1938, no. 2, p. 173-78) *Title tr.*: Materials on the flora of Kolguev Island.

Notes on ten species plants not previously reported from Kolguev Island. Summary in English, p. 178.

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1870. BOGDANOVSKAYA-GIENEF, I. D. Prirodyne usloviâ i olen'i pastbishcha ostrova Kolgueva. (Leningrad. Nauchno-issledovatel'skii institut polârnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Trudy. Ser., Olenevodstvo, 1938. Vyp. 2, p. 7-162, illus., 2 fold. maps) *Title tr.*: Natural conditions and reindeer pastures on Kolguev Island.

Description (in brief) of the climate (based on meteorological observations at Bugrino, 68°47'N. 49°20'E., 1926-36) and general geography of the island, and (in more detail) its vegetation, especially its lichens, shrubs, tundra and swamp associations, pastures. Disadvantages for reindeer breeding: poor lichen forage and recurring crusting of snow; advantages: absence of insects and beasts of prey, willow thickets, good summer forage. Bibliography (about 70 items). Summary in English.

Copy seen: DLC.

1871. BOGEN, HANS. Hvalfangstens aristokrati. (Polar-ârboken, 1935, p. 24-32, ports.) *Title tr.*: The aristocrats of whaling.

Contains data on the number of whalegunners from various parts of Norway.

Copy seen: NN.

1872. BOGEN, HANS. Pâ kveitefangst i Davisstredet. (Polar-ârboken, 1935, p. 83-87, illus.) *Title tr.*: On a halibut fishing expedition in Davis Strait.

Notes the *Korsvik* expedition, 1935, and suggests that Norwegian fishermen be prepared to meet the competition with other nationalities in case West Greenland ports should be opened for international trade and fishery.

Copy seen: NNA.

1873. BOGEN, HANS. Små notater om de "menige" hvalfangere fra 1905-1930. (Polar-ârboken, 1938, p. 5-18, illus., tables) *Title tr.*: Some annotations on the "rank and file" whaling men from 1905 to 1930.

Contains data about whaling men and the whaling industry, since its inception by Svend Foyn in 1863. Includes statistics of individual average earnings.

Copy seen: NN.

BOGGS, SAMUEL WHITEMORE, 1889-, *see* Arctic Institute of North America. Mapping & description (program). 1946.

1874. BOGOLEPOV, M. A. O german-skoi êkspeditsii Al'freda Vegenera v Grenlandifu. (Zemlevedenie, 1932. T. 34, vyp. 3-4, p. 221-24, illus., (port.)) *Title tr.*: On German Expedition of Alfred Wegener into Greenland.

Note on preliminary (1929) and the main expedition (1930-31) to investigate the Greenland icecap, in the course of which Alfred Wegener died.

Copy seen: DGS.

BOGORAZ, SOPHIE, *see* Bogoraz, V. G. Tales of Yukaghir, Lamut & natives of E. Siberia. 1918.

1875. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Chukchee. (*In*: Boas, F. Handbook of American Indian languages. U. S. Bureau of American Ethnology. Bulletin, no. 40, pt. 2, 1922, p. 631-903)

Grammatical sketch of the Chukchi group of languages (including Koryak and Kamchadal dialects), based on the author's research while on the Sibirskov Yakut Expedition 1895-97, and the Jesup North Pacific Expedition, 1900-01. Discussion of phonetics, morphology, distribution and relationship of the dialects. Appended, p. 891-903, are two tales in Chukchi and Koryak, with interlinear, also free, English translation.

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1876. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. The Chukchee. Jesup North Pacific Expedition. Publications, v. 7. Leiden, E. J. Brill Ltd.; New York, G. E. Stechert, 1904-1909. xvii, 733 p. 302 illus., 35 plates, fold. map. (American Museum of Natural History. Memoir, v. 11)

Russian translation of part of this work was published as *Chukchi*, Lenin-

grad, Izd-vo Ins-ta narodov Severa, 1934. (Part I, XXX, 191 p.)

Basic work. Results of the author's observations during sojourns and travels among the Chukchis and Eskimos of Chukotsk Peninsula, 1890-1901, including work with the Sibiriaĸov Yakut Expedition, and with the Jesup North Pacific Expedition.

Contents: Pt. 1, Material culture, *pub.* 1904, (p. 11-276) has chapters on names, habitat, general characteristics, trade, reindeer and dog breeding, hunting, fishing and war, habitations, utensils, food, manufactures, clothing (including snow goggles, snowshoes, staff and ice creepers). Pt. 2, Religion, *pub.* 1907, (p. 277-536) has chapters on religious concepts, charms, ceremonials, shamanism, magic, birth and death customs and beliefs. Pt. 3, Social organization, *pub.* 1909, (p. 537-733) has chapters on organization of the family and family group, marriage, camp and village, strong men, warriors, slaves, law, contact of the Chukchis with Russians, etc. Bibliography, p. 3-9. *Copy seen:* DLC.

1877. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. *Chukchee* mythology. Jesup North Pacific Expedition. Publications, v. 8, pt. 1. Leiden, E. J. Brill; New York, G. E. Stechert, 1910. 197 p. (American Museum of Natural History. Memoir, v. 12, pt. 1)

Contents: Introduction (notes on Chukchi dialect) p. 3-5. Chukchi texts (myths, incantations, songs, riddles, etc., in Chukchi with literal, also free, English translation), p. 7-149. Chukchi tales (in English) p. 151-97. The texts, etc., were collected by the author on the Pacific coast of Chukotsk Peninsula, 1900-1901. *Copy seen:* DLC.

1878. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. *Chukchee* tales. (Journal of American folk-lore, 1928. v. 41, p. 297-452)

English translation of sixty-eight tales, originally published (in Russian) in the author's work on "Materials for the study of the Chukchee language and folk-lore, collected in the Kolyma district. Edition of the Imperial Academy of Sciences, pt. 1. St. Petersburg, 1900. 168 tales, 416 and xxxvi pages."

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1879. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. *The Chukchi*

of northeastern Asia. (American anthropologist, 1901. New ser., v. 3, p. 80-108)

Brief, non-technical account of Chukchi life and culture, fully reported in the author's *The Chukchee*, 1904-1909, q.v.

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1880. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. *Chukotskii bukvar'*. (Sovetskii Sever, 1931, no. 10, p. 122-32) *Title tr.:* The Chukchi A-B-C book.

On the preparation of a primer by the author in cooperation with several Chukchi students of the Institute of Peoples of the North, 1930-31. Includes examples of colorful Chukchi expressions and a selection of small articles suitable for the first Chukchi reader.

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1881. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Early migrations of the Eskimo between Asia and America. (International Congress of Americanists. 21st, Part 2, Göteborg, 1924. Compte-rendu. Göteborg, 1925. p. 216-35)

Contains a discussion of the question whether Eskimos came originally from Asia or America, on the basis of: (1) known facts and Chukchi legends concerning expansion of Chukchi territory at the expense of the Eskimos; (2) material culture, including dwelling type comparisons; and, especially, (3) comparison of languages of the Chukchis, Asiatic Eskimos of the mainland and St. Lawrence Island, and Alaska Eskimos of the mainland and Diomed Islands.

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1882. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Elements of the culture of the circumpolar zone. (American anthropologist, 1929. New series, v. 31, p. 579-601) Reprinted in Smithsonian Institution. Annual report, 1930, *pub.* 1931. p. 465-82.

A survey (as introduction to a university course) of natural conditions (seasons, climate, physical features, flora, fauna) and of human culture native in arctic regions.

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1883. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. *The Eskimo of Siberia*. Jesup North Pacific Expedition. Publications, v. 8, pt. 3. (American Museum of Natural History. Memoir, 1913. v. 12, p. 417-56)

Contents: Folk tales (sixteen, in free English translation), p. 419-36. Songs (twenty-three, with variants, including shaman's songs, in Eskimo dialect with interlinear, also free, English translation), p. 437-52. Text: The one-who-finds-nothing (tale in Eskimo dialect with interlinear English translation), p. 453-56.

Copy seen: DLC.

1884. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Ethnographic problems of the Eurasian Arctic. (*In:* American Geographical Society, N. Y. Problems of polar research, 1928. p. 188-207, sketch map)

Notes on the interrelationship of polar cultures in both material and spiritual aspects; also on the Russian population as related to native groups.

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1885. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. The folklore of northeastern Asia, as compared with that of northwestern America. (American anthropologist, 1902. New ser. v. 4, p. 577-683)

Based on about five hundred (mainly Chukchi) tales collected by the author among tribes of northeastern Asia, a discussion of Chukchi folklore, types and examples of tales with other tribal variants; comparison of (32) Chukchi and Eskimo tales; comparison of (59) Chukchi, Koryak and Kamchadal myths and tales with variants among Indians of the North Pacific coast. Appended are tables of traditions, myths, tales, etc., common to the west Bering tribes, Eskimos, and Indians.

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1886. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Ideas of space and time in the conception of primitive religion. (American anthropologist, 1925. New ser., v. 27, p. 205-266)

Analysis of myths and beliefs among Chukchis, Koryaks, Yukaghirs and Asiatic Eskimos.

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1887. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. K psikhologii shamanstva u narodov Severovostochnoi Azii. (Étnograficheskoe obozrenie, 1910, no. 1-2, p. 1-36) *Title tr.:* Contributions to the psychology of shamanism among the peoples of northeastern Asia.

Study based primarily on Chukchi material with some comparative data

from neighboring groups. Defines the concept of shamanism, its initial form, the role of women, preparatory period, "call" and training, categories and types, performance, ventriloquism, spirit helpers, tricks, medicine and surgery, sex transformation, and incantations.

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1888. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Klassovoe rassloenie u chukoch olenevodov. (Sovetskaiâ étnografiâ, 1931, vyp. 1-2, p. 93-116, 5 illus.) *Title tr.:* Class differentiation among the Reindeer Chukchis.

Contains brief description of the social organization among the Reindeer Chukchis, as a very loose organization based upon the family unit, with the higher unit-settlement quite unstable. Describes the position of women, the attitude toward the old, the traces of limited pasture ownership, the organization of a camp, early encounters with the Russians, slavery and the terminology reflecting social inequality. Includes also numerous examples from Chukchi folklore.

Copy seen: DLC; DSI-M.

1889. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Koryak texts. Leyden, E. J. Brill; New York, G. E. Stechert & Co., 1917. vii, 153, [1] p. (American Ethnological Society. Publications, v. 5)

Result of the author's work, Dec. 1900-Apr. 1901, while with the Jesup North Pacific Expedition. Introductory sketch of Koryak dialects and their affinity with language of the Chukchis, p. 1-11. Twenty-four tales in the vernacular, with free English translation, also a literal English rendering for half the tales, p. 12-102. Songs, constellations, Koryak-English vocabulary, English-Koryak stems.

Copy seen: DLC.

1890. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. L. Ia. Shternberg, kak chelovek i uchenyi. (Étnografiâ, 1927. v. 2, no. 2, p. 269-82) *Title tr.:* L. Ia. Shternberg, as a man and a scholar.

Contains an appraisal of the scientific activity of L. Ia. Shternberg, an account of his early political activities, his achievements in the study of the Gilyak language and culture, his interest in theoretical anthropology, and

his activities in the Museum of Anthropology and Ethnography in Leningrad.

Copy seen: DLC.

1891. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Materialy dlia izuchenia iazyka aziatskikh eskimosov. (Zhiwaiia starina, 1909. v. 18, vyp. 2-3, p. 178-90) *Title tr.:* Materials for the study of the language of the Asiatic Eskimos.

Number, settlements (with locations and native names), and archeological remains of Asiatic Eskimos; linguistic comparison of Asiatic Eskimo with Chukchi dialects, and with a sample tale in the three main Eskimo dialects and in Chukchi and Russian translation.

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1892. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. New data on the types and distribution of reindeer breeding in northern Eurasia. (International Congress of Americanists. 23rd, New York, 1928. Proceedings, New York, 1930. p. 403-410, map)

Describes (on the basis of new information from students at the Northern College for Lesser Nationalities of the U.S.S.R.) the types of reindeer breeding (husbandry) as they exist from Lapland to the Chukotsk Peninsula, including a new type of husbandry without the use of herd dogs west of the Yenisey. Classifies reindeer husbandry into seven types on the basis of riding or driving, type of sledge, use or non-use of herd dogs, and practice of milking. Includes clarification of relationships and distribution of native tribes in Siberia. Discusses the spread of dog herding in northeastern Asia.

Map, scale about 1:35,000,000, shows distribution of the seven types of reindeer husbandry.

Copy seen: DLC.

1893. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Novye zadachi Rossiiskoi etnografii v poliarnykh oblastakh. Petrograd, Gos. izd-vo, 1921. 30 p., fold. sketch map. (U.S.S.R. Vysshii Sovet Narodnogo Khoziaistva. Trudy Severnoi nauchno-promyslovoi ekspeditsii. Vyp. 9) *Title tr.:* New problems of Russian ethnography in the arctic regions. (Transactions of the Northern Scientific and Economic Expedition, no. 9)

Discussion of the culture of peoples native to the North and Russians as exemplified by various traits and cus-

toms peculiar to northern areas, particularly in Siberia. Author recommends further study along broad comparative lines.

Copy seen: DSI-M.

1894. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. O primatii chukoch v russkoe poddanstvo. (Zhiwaiia starina, 1902. v. 11, vyp. 2, p. 147-64) *Title tr.:* The admission of the Chukchis into Russian citizenship.

Contains legends and documents dealing with the permission given the Chukchis to become Russian citizens. The material was collected by the author during the Sibirakov Yakut Expedition. Historical background, the story of the acquisition of some 18th century documents is related, also five Chukchi and one Yukaghir tales dealing with the events of that period.

Copy seen: DLC.

1895. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. O rabote E. D. Strel'ova: "Odezhdia i ukrasheniia iakutskii v polovine XVIII veka". (Sovetskaiia etnografiia, 1937, vyp. 2-3, p. 73-74) *Title tr.:* Concerning E. D. Strel'ov's work: "Dress and Decorations of the Yakut woman in the middle of the 18th century".

A short review of this article which was based on archeological material from the grave of a few rich Yakut women and was therefore restricted in its application. Certain inaccuracies are pointed out.

Copy seen: DSI-M; NN.

1896. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Oblastnoi slovar' kolym'skago russkago nar'echiia. Sobral na m'estie i sostavil V. G. Bogoraz. St. Petersburg, 1901. 1 p. l., 346 p. (Akademiia nauk SSSR. Otdelenie russkago iazyka i slovesnosti. Sbornik, t. 68, no. 4) *Title tr.:* Regional dictionary of the Kolyma dialect of the Russian language. Collected and prepared in the locality by V. G. Bogoraz.

Dictionary of the Russian, showing strong Yakut language influence, spoken among inhabitants of the Kolyma region. Includes numerous references to the original Yakut terms.

Copy seen: DLC; MH; NN.

1897. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Obrazt'sy materialov po izucheniiu chukotskago iazyka i fol'klora. (Akademiia nauk

SSSR. Bulletin, mars 1899. Sér. 5, t. 10, p. 269-318) *Title tr.*: Specimens of materials for the study of the Chukchi language and folklore.

Text of a Chukchi tale, written down in the Kolyma District during the Yakut Expedition, with an introduction on the pronunciation of the Chukchi language, a translation into Russian, grammatical notes, and tables of declensions and conjugations.

Copy seen: DLC.

1898. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Ocherk material'nogo byta olennyykh chukchei sostavlennyi na osnovanii kollektšii N. L. Gondatti, nakhodiaschikhsia v étnograficheskom muzei Imperatorskoï Akademii nauk. Leningrad, 1901. 56 p. 25 illus. (Akademiia nauk. Muzei antropologii i étnografii. Sbornik, vyp. 2) *Title tr.*: Outline of the material culture of the Reindeer Chukchi based on the collection by N. L. Gondatti located in the Ethnographical Museum of the Imperial Academy of Sciences.

Description of collections obtained by N. L. Gondatti in the Anadyr region, with supplementary data on food, clothing, decoration, dwellings, tools and implements, arms, reindeer breeding, hunting, toys and games, idols and household deities, work on bone. Includes photographic illustrations of the major part of the collection.

Copy seen: NN.

1899. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Predislovie k rabote A. A. Popova "Tekhnika u dolgán". (Sovetskaiá étnografiia, 1937, vyp. 1, p. 88-90) *Title tr.*: Preface to A. A. Popov's "Techniques among the Dolgans".

Contains a critical appraisal of the article by A. A. Popov *Tekhnika u dolgán*, q.v., in which native technological processes are well described.

Copy seen: DSI-M; NN.

1900. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Prezhde na Severe. (Sovetskii Sever, 1930, no. 1, p. 59-74) *Title tr.*: The North as it used to be.

Some facts on the Russian domination of natives in the far North and Kamchatka under the old régime, based on historical documents and the author's own observations at the beginning of the century. *Copy seen:* DLC.

1901. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Rabota G. N. Prokof'eva sredi ostiako-samoedov. (Étnografiia, 1928, v. 3, no. 2, p. 91-95) *Title tr.*: The work of G. N. Prokof'ev among the Ostyako-Samoyeds.

Contains a short biography of G. N. Prokof'ev who lived among the Ostyako-Samoyeds, mastered their language and collected valuable data. The author adds a short ethnographical sketch of this group.

Copy seen: DLC.

1902. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Religia kak tormoz sotšstroitel'stva sredi mal'kikh narodnostei Severa. (Sovetskii Sever, 1932, no. 1-2, p. 142-57) *Title tr.*: Religion as a brake in cultural development of the northern natives.

Discussion of shamanism among the aborigines of the Soviet North.

Copy seen: DLC.

1903. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Religious ideas of primitive man, from Chukchee material. (International Congress of Americanists. 14th, Stuttgart, 1904. [Verhandlungen] Stuttgart, 1906. p. 129-35)

Presents a theory of development of primitive religious beliefs, based upon observations on the Chukchis (see Bogoraz's *The Chukchee*, 1904-1909).

Copy seen: DLC.

1904. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Russkoe naselenie na Kolymie. (Zemlevedenie, 1899. T. 6, vyp. 4, p. 107-120) *Title tr.*: Russian population on Kolyma.

Résumé of a report on the Sibiriakov expedition 1894-96 for study of Yakutia and its inhabitants, published in *Izvestiia* of the East Siberian division of the Imperial Geographic Society (Vsesoiuznoe geograficheskoe obshchestvo. Vostochno-Sibirskii otdel, 1899, no. 1. Notes on economic conditions, the occupations, family life, religious beliefs, social relations and anthropological types of the Russian and the Russified Yukaghir and Yakut population of the lower reaches of Kolyma River (68°N.) Includes remarks on local dialects and folklore.

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1905. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. The shamanistic call and the period of initiation in northern Asia and northern America.

(International Congress of Americanists. 23rd, New York, 1928. Proceedings. New York, 1930. p. 441-44)

Contains brief notes on the processes by which natives of North America and northern Siberia, including the Yakuts, became shamans. *Copy seen:* DLC.

1906. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Skazanie o Elendi i ego synov'akh. (Zhivaia starina, 1899. v. 9, vyp. 3, p. 350-70) *Title tr.:* Tale of Elendi and his sons.

Contains the Russian translation of a long and involved Chukchi tale about the cultural hero Elendi and his children, in the period of Chukchis' bloody wars against the Koryaks, Yukaghirs and Russians. *Copy seen:* DLC.

1907. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Skazka o Chesotochnom shamane. (Zhivaia starina, 1899. v. 9, vyp. 2, p. 263-70. *Title tr.:* Tale of the Scabby Shaman.

Russian translation of a tale of a famous Chukchi shaman, charged with the recovery of a stolen soul.

Copy seen: DLC.

1908. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Sotsial'nyi stroi amerikanskikh eskimosov. (Akademii nauk SSSR. Institut antropologii, arkhologii i etnografii. Trudy, 1936, t. 4. Voprosy istorii doklassovogo obshchestva, p. 195-256) *Title tr.:* The social organization of the American Eskimos.

Contains a critical analysis of the major works of American and European anthropologists on the Eskimo, particularly Knud Rasmussen, Kaj Birket-Smith and Franz Boas. The author attempts to apply the Soviet theoretical approach to the material, giving extensive comparative data, and attempts to reconstruct from the other writers the social organization of the Eskimo. *Copy seen:* NN.

1909. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Tales of Yukaghir, Lamut, and Russianized natives of eastern Siberia. New York, American Museum of Natural History, 1918. 1 p. l., 148 p. (American Museum of Natural History. Anthropological papers, v. 20, pt. 1.)

Contains eighty-nine tales (in English, with a few prose rhymes in Russian and English) taken down by the

author and by Mrs. Sophie Bogoraz, among the Yukaghirs and the Tungus of the Kolyma and Anadyr River regions.

Copy seen: DLC.

1910. BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936. Tri skazki, zapisannyya v Kolymskom kraie: Morskoi poskakuchnik. (Zhivaia starina, 1899. v. 9, vyp. 3, p. 371-80) *Title tr.:* Three tales recorded in the Kolyma district.

Contains three tales recorded by the author among the Russified Yukaghirs, reflecting the combination of Russian and native motifs. *Copy seen:* DLC.

BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936, *see also* Debetš, G. F. K antropologii chukchei. 1946.

BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936, *see also* Khranova, V. Sessia, posviashchennai V. G. Bogorazu. 1946.

BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936, *see also* Levin, M. G. K probleme istoricheskogo sootnosheniia. 1947.

BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936, *see also* Nikol'skii, D. P. O chukchakh Kolymskago okruga. 1900.

BOGORAZ, VLADIMIR GERMANOVICH, 1860-1936, *see also* Shprintsin, N. G. Rukopisnoe nasledie V. G. Bogoraza. 1947.

1911. BOGOROV, B. G. Hidrobiologicheskie raboty stantzii "Severnyi poliuz". (Sovetskai Arktika, 1938, no. 5, p. 40-42, illus.) *Title tr.:* Hydrobiological work of the "North Pole" Station.

Outline of the animal life, especially biological seasons in the plankton, observed from the ice-floe drifting station "North Pole". *Copy seen:* DLC.

1912. BOGOROV, B. G. Longevity and ecological characteristics of *Themisto abyssorum* in the Barents Sea. (Akademii nauk SSSR. Comptes rendus (Doklady) 1940. new ser, v. 27, no. 1, p. 68-70, diagrs., tables)

Based on collections of this macroplankton made during cruises in 1930 along meridian 33°30'E., data on size and weight at different seasons; distribution in various sections of the sea according to temperature and depth.

Copy seen: DLC.

1913. BOGOROV, B. G. Materialy po zooplanktonu Poliarnogo basseina. (In: Ekspeditshiia na samolete "SSSR-N-169" v raion "Poliarsa Nedostupnosti". Nauchnye rezul'taty, 1946, p. 180-96, tables) *Title tr.*: Materials on zooplankton in the Arctic Basin.

Annotated list of plankton specimens (mainly Copepoda) from nineteen samples taken (down to 1000-meter depth) at three landing points in the Arctic Basin, during the airplane expedition to the Pole of Inaccessibility in April, 1941. Summary in English.

Copy seen: DLC.

1914. BOGOROV, B. G. Mestnye ledovye prognozy po biologicheskim priznakam. (Problemy Arktiki, 1939, no. 1, p. 32-38) *Title tr.*: Local ice prognoses on the basis of biological indications.

A discussion of ice forecasts based on plankton observations.

Copy seen: DLC.

1915. BOGOROV, B. G. Osobennosti sezonnykh iavlenii v planktone poliarnykh morei i ikh znachenie dlia ledovykh prognozov. (Zoologicheskii zhurnal, 1939, vyp. 5, p. 735-47, table, diagr.) *Title tr.*: The particularities of seasonal phenomena in the plankton of arctic seas and their significance for ice forecasting.

Discussion of ice conditions based on biological indications. Table shows local ice forecasts and determination of ice thawing according to plankton observations, p. 742-43. Diagram shows changes in the amount of zooplankton and phytoplankton in relation to temperature, salinity, and ice conditions, p. 744.

Criticized in Laktionov, A. V. *O metodike ledovykh prognozov*, 1940. Summary in English.

Copy seen: DLC.

1916. BOGOROV, B. G., and others. Pitanie peschanki (*Ammodytes tobianus*) v Murmanskikh vodakh. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 355-65, tables, diagrs.) *Other authors:* Manteifel', B. P., and A. E. Pavlova. *Title tr.*: Nutrition of the small sand-eel (*Ammodytes tobianus*) in Murman waters.

A study of food (mostly plankton, but including other marine fauna), based on analyses of stomach contents

of the small sand-eel, taken from various bays along the Kola Peninsula coast of Barents Sea. Summary in English.

Copy seen: DLC.

1917. BOGOROV, B. G. Sutochnoe vertikal'noe raspredelenie planktona v poliarnykh usloviakh (v iugo-vostochnoi chasti Barentsova moria). (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. Vyp. 2, p. 93-107, tables, diagrs.) *Title tr.*: Diurnal vertical distribution of plankton under polar conditions (in southeastern part of the Barents Sea). (Transactions of the Knipovich Polar Scientific Institute of Sea Fisheries and Oceanography).

Based on twenty-four-hour observations made by Marine Floating Scientific Institute party on the *Persei*, July, 1924. Contains tabular and graphical data on vertical distribution, and discussion of diurnal vertical migration of plankton in southeastern Barents Sea as a result of tidal displacement; with the conclusion that illumination is the main factor in this migration. Bibliography (18 items). Summary in English.

Copy seen: DLC.

1918. BOGOROV, B. G. Vesa i ekologicheskie osobennosti makroplankterov Barentsova moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1929. T. 4, p. 245-58, tables, diagrs.) *Title tr.*: Weight and ecological features of the macroplankton organisms of the Barents Sea.

A study of average weights of plankton organisms, based on about 3000 weighings of samples belonging to twenty-two plankton species.

Summary in English.

Copy seen: DLC.

1919. BOGOROV, B. G. Zooplankton po sboram ekspeditzii na 1/p "G. Sedov" 1937-1939 gg. (In: Dreifuishchaia ekspeditshiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 336-70, illus., tables, diagrs.) *Title tr.*: Zooplankton collected by the *Sedov* expedition 1937-1939.

Results of plankton investigation at ten stations (coordinates and depths given); systematic record of species with notes, tables giving quantitative

analyses of samples obtained at the individual stations, no. 1-10. Includes also collections taken by the ice-breaker *Sadko* in 1938. Bibliography, p. 369.

Summary in English,

Copy seen: DLC.

1920. BOGOSLOVSKII, N. N. Melkoe zalozhenie fundamentov maloëtazhnykh zdaniï. (In: T'Syovich, N. A., and others. Glubina zalozheniia fundamentov maloëtazhnykh zdaniï, 1946. p. 16-43) **Title tr.:** Shallow laying of foundations for few-story buildings.

Contains theoretical discussion of the factors affecting the stability of foundations due to pressure: specific construction, carrying capacity of the ground and depth of freezing. The latter question is dealt with theoretically and on the basis of practical experience (quotations from technical literature and actual experiences are given). Unsatisfactory nature of existing instructions resulted in a conference of the Institute of Permafrostology of the Academy of Sciences of the U.S.S.R. which worked out a new set of technical directives; explanations and analyses are given. **Copy seen:** NN.

1921. BOGUSLAWSKI, GEORG HEINRICH von, 1827-1884. Ueber einige Ergebnisse der neueren Tiefseeforschungen. V. Arktischer Ocean. 1-9. (Annalen der Hydrographie und maritimen Meteorologie, 1881-82. Jahrg. 9, p. 61-74, 113-23, 231-47, 517-24, 641-48; Jahrg. 10, p. 129-35, 197-201, 327-35, 391-97, 591-94, 707-713, tables) **Title tr.:** On some results of new deep sea investigations, 5. Arctic Ocean, 1-9.

Pts. 1-4a-g have title: *Meteorologische und physisch-oceanische Beobachtungen während der Nordenskiöld'schen Expedition 1878-79 (etc.) Pt. III.*

A summary of the oceanographic observations made by the important expeditions of the middle 19th century, with accompanying remarks. Contains ocean temperature records throughout, and (with less regularity) the data for salinity, specific gravity, currents, bottom sediments, ice and depths, from (1) *Vega* Expedition from Yugor Strait to Bering Sea; (2) British North Polar Expedition, 1875-76 in the Baffin Bay, Smith Sound-Robeson Channel area; (3) Bering Strait and Canadian Arctic Islands waters; (4) Kennedy Channel to Davis Strait; (5) North Atlantic

Ocean southeast of Greenland; (6) Denmark Strait; (7) the two German Polar Expeditions to east coast of Greenland, 1868, 1869-70; (8) the three Norwegian arctic expeditions on the *Vöringen*, 1876-78, in Greenland Sea; and (9) various expeditions and observations in the Greenland, Barents and Kara Seas.

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1922. BOHEMAN, CARL H., 1796-1868. Spetsbergens insekt-fauna. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1865, pub. 1866. Årg. 22, p. 563-77, plate) **Title tr.:** Spitsbergen's insect fauna.

List, with references to literature, localities and remarks, of twenty-nine species collected on the Spitsbergen archipelago during the French Expedition to Spitsbergen, 1837, and the Swedish Expeditions to Spitsbergen, 1858, 1861 and 1864.

Copy seen: DLC.

1923. BOHLIN, KNUT HAROLD, 1869-. Snöalger från Pite Lappmark. (Botaniska notiser, 1893. p. 42-46, illus.) **Title tr.:** Snow algae from Pite Lappmark.

Contains critical notes on fifteen species of snow algae ("röd snö") observed by the author in Pite Lappmark in 1891, including a Latin description of *Cerastis nivalis*, n. sp.

Copy seen: MH-A.

BOHM, STELLAN, see Lundqvist, M. Norrland. 1942.

1924. BOHNSTEDT, HANS. Die thermische Kontinentalität des Klimas von Nordeuropa. (Meteorologische Zeitschrift, Feb. 1932. Bd. 49, p. 49-62, tables, map) **Title tr.:** The thermal continentality of the climates of northern Europe.

The continentality factor of the principal meteorological stations of northern Europe is derived here from the temperature records during the period 1901-1920, and mapped.

Copy seen: DA.

1925. BOFARCHUK, V. F. Sel'skoe khozïaïstvo Igarskogo raiona. (Sovetskaiâ Arktika, 1937, no. 1, p. 85-88) **Title tr.:** Agriculture in the Igarka region.

Results obtained in plant cultivation, 1934-36.

Copy seen: DLC.

BOISEN BENNIKE, S. A., see Bennike, Svend Aage Boisen, 1918-

BOITEAU, DIEUDONNÉ ALEXANDRE PAUL, 1830-1886, *see* Bellot, J. R. *Journal d'un voyage 1851-52*. 3d éd. 1875.

1926. BOITSOV, LEONTII VASIL'EVICH. *Kotikovo khoziaistvo*. Moskva, Vneshtorgizdat, 1934. 195 p., illus., tables, diagrs. *Title tr.*: Sealing industry.

Basic study of the subject. The origin of seals (in Tertiary period); their geographical distribution; dependence upon cold sea currents, p. 8-18; migration of seals of the northern hemisphere, p. 18-22. Zoological characteristics of eared seals; genera and species, measurements, weight, and color according to age, p. 24-28; anatomical characteristics, p. 28-31; biological peculiarities of propagation, p. 31-38; food, p. 38-41; causes and rate of natural death, p. 42-48. Detailed description of islands selected by seals for rookeries; their geographical situation, topography, climate, flora, and fauna, p. 49-68. History of the seal industry, its development on the Pribilof and Commander Islands, p. 78-136; tables showing the fluctuations in island and pelagic sealing; measures for seal conservation; seal control and census on Pribilof Islands, p. 139-53.

Organization of work in the seal industry: technique of killing, treatment of the carcass; preparation of pelts; methods (with photographic representation) of skinning, cooling, retting, fleshing, cutting, salting, packing, storage, and transportation, p. 163-81. Utilization of seal meat and fat, p. 181-83. Data on pelt production on the Pribilofs for 1918-29, and on Commander Islands for 1923-30, p. 183-88. Bibliography (28 items).

Copied seen: DLC.

1927. BOITSOV, LEONTII VASIL'EVICH, and others. *Pushnoe khoziaistvo Kraïnego Severa*. Moskva, Izd-vo Glavsevmorputi, 1941. 286 p., illus., tables. *Other authors:* V. A. Guber, I. M. Kraevskii, A. B. Margolin, A. P. Rus-sikh. *Title tr.*: Fur industry of the far North.

Main problems of fur trade in various regions of the Soviet Arctic. Description of about thirty principal fur-bearing animals; acclimatization, breeding, especially silver and arctic foxes and mink (p. 124-44) with nutrition tables

(p. 273-77); wildlife conservation; technique of hunting and trapping, and fur farming. Organization of fur trade (including, p. 179, table showing means of transportation of raw materials to nearest base, time required, etc.); preparation of pelts, methods (with illustrations) of skinning, drying, processing, grading; storage, packing, transportation, etc.

The illustrations include 102 diagrams and photographic representations of the animals, traps, snares, buildings, pens, methods, etc. *Copied seen:* DLC.

1928. BOITSOV, LEONTII VASIL'EVICH. *Razvedenie pest'šov*. (Leningrad. Vsesoiuznyi arkticheskiï institut. Trudy, 1937. T. 65, p. 7-144, illus., tables) *Title tr.*: Arctic fox breeding.

Data and discussion on the biology of the arctic fox; breeding foxes in conditions of freedom; breeding in captivity and semi-captivity. Bibliography, p. 139-44. *Copied seen:* DLC.

1929. BOL', B. K., and L. D. NIKOLAEVSKII. *O roste i sbrasyvanii rogov u severnogo oleniã*. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 45-60, 3 plates.) *Title tr.*: On the biology of reindeer antlers.

Summary in English.

Copied seen: CaOA; DF.

1930. BOLDOVSKII, G. V. *Pitanie morskogo okunã Barentsova moriã*. (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1944. Vyp. 8: Promyslovye donnye ryby Barentsova moriã, p. 307-330, tables, diagrs.) *Title tr.*: The food of the Norway haddock in the Barents Sea.

A study of stomach contents of haddock and comparison of its food with that of codfish.

Summary in English.

Copied seen: DLC.

1931. BOLDOVSKII, G. V. *Pitanie murmanskoï sel'di v gubakh*. (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. Vyp. 1, p. 102-119, diagrs.) *Title tr.*: The food of the Murman herring in the fiord.

Results of investigations in 1930-35, of four thousand four hundred thirty-five stomachs of herring collected mainly in the Murman bays of Barents Sea, containing a list of the marine fauna

forms consumed as food, a discussion of seasonal variations in the diet, and of the interrelationship between herring food and plankton. Bibliography, p. 118-19.

Summary in English.

Copy seen: DLC.

1932. **BOLDOVSKII, G. V.** - Warm water Gadidae in the Barents Sea. (Akademii nauk SSSR. Comptes rendus (Doklady), 1939. new ser. v. 24, no. 3, p. 307-309, map)

Data on two species of codfish caught on board trawler No. 48 *Sevgosrybtrest* in March-April 1938, with a map showing localities. The penetration of these fishes into the southern section of Barents Sea is said to be due to the warming of the region. **Copy seen:** DLC.

BOLDOVSKII, G. V., see also Manteifel', B. P., & G. V. Boldovskii. O zimovke sel'di. 1938.

1933. **BOLDT, ROBERT, 1861-1923.** Bidrag till kannedomen om Sibriens chlorophyllophyceer. (Svenska vetenskapsakademien. Översigt af förhandlingar, 1885. Årg. 42, no. 2, p. 91-128, 2 plates) **Title tr.:** Contribution to the knowledge of the Chlorophyllophycea of Siberia.

List, with references to literature, localities and remarks, of one hundred fifty-eight species of fresh-water algae collected by Arnell in the lower Yenisey basin (59°-69°N.), during the Swedish Expedition to the Yenisey, 1876.

Copy seen: DLC.

1934. **BOLDT, ROBERT, 1861-1923.** Desmidiæer från Grönland. Stockholm, P. A. Norstedt, 1888. 48 p. 2 plates. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 13, afd. 3, no. 5) **Title tr.:** Desmidiæeae from Greenland.

Contains a systematic list of one hundred fifty-nine species and varieties of desmidian algae, collected by Th. M. Fries in 1871 and by A. G. Nathorst and J. A. Berlin in 1883, with critical notes, description of many new species and data on distribution; index of species at end.

Copy seen: DLC.

1935. **BOLDT, ROBERT, 1861-1923.** Grunddragen af desmidiernas utbredning i Norden. Stockholm, P. A. Norstedt, 1887. 110 p. tables. **Title tr.:** Outlines of the distribution of desmids in the North.

Contains a historical survey of the investigation of desmidian algae with a critical review of the literature; a systematic enumeration of Desmidiaceae with tabulated data on geographical distribution in thirteen arctic regions, including Scandinavia, all U.S.S.R., Greenland, Svalbard archipelago and other subdivisions, with some statistical tables at end. Bibliography, p. 103-107.

Copy seen: DLC.

1936. **BOLDT, ROBERT, 1861-1923.** Några sötvattens-alger från Grönland. (Botaniska notiser, 1893, p. 156-58, illus.) **Title tr.:** Some fresh-water algae from Greenland.

Contains a list of fifteen fresh-water algae from Greenland with a Latin description of *Pediastrum undulatum* (Wille) Boldt and critical notes on some noteworthy species.

Copy seen: MH-A.

1937. **BOLDVA, ADOLF BÓBRIK von.** Aufnahme und Beschreibung der Insel Jan Mayen. Beobachtung über Gletscherbewegung. [Wien, 1886.] 50 p. 4 illus., 2 fold. maps. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse. Bd. 1, Theil 2) **Title tr.:** Survey and description of Jan Mayen Island. Observations on glacial movement.

Contains (p. 5-23) detailed description of the topographic survey of the island, with description of methods, routes, and survey points, tables of horizontal and vertical measurements, soundings in the surrounding waters, and notes on resulting maps. Physical description of the island (p. 24-50) including volcanic features, glaciers, lakes, and coasts, with detailed measurements of amount of movement of some of the glaciers.

Maps: 1. Detailed topographic map of Jan Mayen, scale 1:100,000, showing glaciers, hachured relief, elevations, and nature of surface (in part), with transparent overlay showing survey points. 2. Topographic hachure map, scale 1:25,000, of the central part of the island, including the station of the expedition.

Copy seen: DLC.

1938. **BOLDVA, ADOLF BÓBRIK von.** Polarlicht- und Spectral-Beobachtungen. [Wien, 1886.] 232 p., 69 illus., 12 plates. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpe-

dition nach Jan Mayen. Beobachtungs-Ergebnisse. Bd. 2, Abt. 1, Theil 4) *Title tr.*: Observations of northern lights and spectra.

Results of observations of intensity, color, movements, position, concentration, height, and relationships to magnetic and weather factors, of the northern lights as seen from the polar station on Jan Mayen. Includes summary of observations made and results obtained, p. 2-14; journal describing in detail each of the 124 auroral displays observed, p. 15-188; tabular summary calendar of results, p. 189-227; discussion of spectral observations and color of northern lights, p. 228-32.

Copy seen: DLC.

1939. BOLDYREV, A. Petrografiia vostochnago Murmana (Laplandiia). St.-Petersbourg, 1913. 94, [2] p. illus., 1 plate, 1 col. fold. map. (Akademiia nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique. Vol. 31, no. 8) *Title tr.*: The petrography of eastern Murman (Lapland).

Contains an account of a field trip along the eastern shore of Kola Peninsula from Kola Inlet to Cape Svyatoy Nos, descriptions of the places and rocks investigated, results of microscopic and chemical analyses of ninety specimens from forty-seven localities, a critical examination of literature cited, and conclusions, followed by a chapter on dynamometamorphism. Bibliography (27 items.)

Copy seen: DSI.

1940. BOLDYREV, E., and V. USPEN-SKII. Bulunskii raion. (Sovetskii Sever, 1935. T. 6, no. 3-4, p. 132-44, illus., map) *Title tr.*: The Bulun district.

General description of the region of the lower Lena around Bulun, (70°40'N. 127°12'E.) based on a year's work by the authors in Yakutia, 1933; comment on orography, rivers, climate and its relation to the wildlife; flora, fauna, mineral resources, population, hunting, fishing, reindeer and livestock breeding.

Copy seen: DLC.

BOLDYREV, N. P., see Milihaev, N. A., & N. P. Boldyrev. O bystrokhodnom magnitografe La Cour'a. 1936.

BOLDYREV, N. P., see Milihaev, N. A., & N. P. Boldyrev. K voprosu o magnetnoi s'emke. 1936.

1941. BOLDYREV, SERGEI. V Koly-mo-Indigirskoi taige; zapiski zhurnalista. Moskva-Leningrad, Izd-vo Glavsevmorputi, 1947. 141, [3] p. illus. *Title tr.*: In the Kolyma-Indigirka taiga; notes of a correspondent.

Description of the author's trip to the regions of Indigirka and Kolyma Rivers; (especially Magadon on the Okhotsk Sea); account of the growth of new settlements, their cultural life, types of workers, etc.

Copy seen: DLC.

1942. BOLDYREV, V., and I. SPERANSKAIYA. Opyt primeneniia razbornoi baldarki na rekakh Severa. (Sovetskaiia Arktika, 1939, no. 3, p. 108-110, illus.) *Title tr.*: Experiment in using a collapsible canoe on rivers of the North.

Description of a new type of craft which can be broken into sections for portage, designed as a basic means of transportation on rivers of the tundras, by the Yamal Aerovisual Expedition in 1938.

Copy seen: DLC.

1943. BOLIN, ROLF LING, 1901-. New cottid fishes from Japan and Bering Sea. (U. S. National Museum. Proceedings, 1936, pub. 1938. v. 84, p. 25-38, illus.)

Contains descriptions of four new forms, of which specimens of one were taken from Bering Sea by the *Albatross*, 1900.

Copy seen: DLC.

BOLKHOVITANOV, V. D., see Schmidt, P. I. U. Pacific Science Institute of Fisheries. 1934.

1944. BOLLES, TIMOTHY DIX, d. 1892. A preliminary catalogue of the Eskimo collection in the U. S. National Museum, arranged geographically and by uses. (U. S. National Museum. Annual report, 1887, pub. 1889. p. 335-65)

"Intended as an introduction to a complete analysis of Eskimo art," the catalog lists about eighty kinds of implements, utensils, weapons, articles of clothing etc., represented by 11,452 specimens collected for the U. S. National Museum from nearly one hundred localities in Greenland, Canada, Alaska, and northeastern Asia.

Copy seen: DLC.

1945. BOLOTNIKOV, NIKITA. Ostrov Vstrechnyi. (Sovetskaiia Arktika, 1936, no. 10, p. 101) *Title tr.*: Vstrechnyy Island.

Brief description and historical note on Preobrazheniya (Vstrechnyy) Island 74°37'N. 112°48'E., off the eastern Taymyr coast, by a member of a wintering party there, 1934-35.

Copy seen: DLC.

1946. BOLOTNIKOV, NIKITA. Poslednii odinochka (N. A. Begichev). (Sovetskaiâ Arktika, 1936, no. 7, p. 69-80, illus.) *Title tr.:* The last one to go alone (N. A. Begichev).

Biographical sketch of Nikifor Alekseevich Begichev, 1874-1927, who participated in the Toll expedition, lived and worked in the North most of his life; based on his unpublished diaries in the Polar Commission of the Academy of Sciences.

Copy seen: DLC.

1947. BOL'SHAKOV, MIKHAIL A. Naselenie Kamchatki i ego khoziaistvo. (Sovetskii Sever, 1931, no. 11-12, p. 51-98, illus., tables) *Title tr.:* Kamchatka population and its husbandry.

Statistical and other data on population of the Kamchatka region. Geographical distribution, economic and social conditions of the three main groups: the nomadic aborigines of northern Kamchatka, the settled aborigines of the northern and central part, and the settled colonists of the southern part. Based on material from the 1926-27 census and the expedition of Prof. Krasnyuk in 1928.

Copy seen: DLC.

1948. BOL'SHAKOV, MIKHAIL A. Obshchina u zyriân. (Zhivaiâ starina, 1906, v. 15, vyp. 1, p. 1-54; vyp. 3, p. 221-36; vyp. 4, p. 281-96) *Title tr.:* Communal ownership of land among the Zyryans.

Contains brief data on the history of the Zyryans, the transition from the semi-nomadic economy of hunting and fishing to a settled agricultural mode of life. Land ownership and the Russian influence on common law are discussed.

The author's views are challenged by V. F. Popov's *K voprosu ob obshchine u zyriân*, 1908, q.v.

Copy seen: DLC.

1949. BOL'SHAKOV, MIKHAIL A. Problema osedaniâ kochevogo nasele-niâ. (Sovetskaiâ Arktika, 1936, no. 5, p. 14-24, illus., tables) *Title tr.:* The problem of settling of the nomad population.

Analysis of changes in the life of nomadic native peoples in Yamal Na-

tional District, changes which signalize transition to a settled mode of life.

Copy seen: DLC.

1950. BOL'SHAKOV, MIKHAIL A., and VLADIMIR RUBINSKII. Kamchatskaiâ oblast'. Moskva [etc.], Gosudarstvennoe izd-vo standartizatsiâ i ratsionalizatsiâ, 1934. 144, [7] p. (incl. 5 p. of maps at end), illus., (1 fold. map) (U.S.S.R. Gosudarstvennaâ Planovaiâ Komissiiâ. Sovet Severa. Seriiâ ekonomicheskogo-geograficheskikh ocherkov raionov Severa SSSR. [Vyp. 2]) *Title tr.:* Kamchatka Province.

A social and economic study of Kamchatka Peninsula, prepared by the authors for the Committee of the North of the Presidium of the State Planning Commission U.S.S.R. on the basis of official materials and personal investigations. Contains chapters on natural resources, population, fishing, hunting (at sea), the fur trade, agriculture, economic organization, lumber industry, transportation and communication, labor, social services and education, research work, etc. Bibliography (about 60 items).

Copy seen: DLC.

1951. BOL'SHAKOV, V. S. Gibel' ekspeditsionnogo sudna "Akademik Shokalskii." (Problemy Arktiki, 1944, no. 1, p. 157-59) *Title tr.:* The loss of the expedition ship *Akademik Shokalskii*.

How this ship was sunk by a U-boat off the northeast coast of Novaya Zemlya in July 1943.

Copy seen: DGS.

1952. BOL'SHEVIKI NA SEVERNOM POLIUSE. Arkhangel'sk, Sevgez, 1937. 154, [4] p. illus., ports. *Title tr.:* The Bolsheviks on the North Pole.

A collection of narratives by members of the U.S.S.R. Expedition to the North Pole, 1937.

Copy seen: DLC.

1953. BOMPAS, CHARLOTTE SELINA, 1830-1917. A heroine of the North. Memoirs . . . with extracts from her journal and letters. London, Society for Promoting Christian Knowledge [1929]. 187 p. front. (port.) Compiled by S. A. Archer.

Accounts of life in Fort Simpson, Fort Norman, Fort Resolution, and at Fortymile (Yukon Territory) during the last quarter of the 19th century, as told in the letters of the wife of the first bishop of Selkirk.

Copy seen: NNStef.

1954. BONAPARTE, ROLAND NAPOLEON, *Prince*, 1858-1924. Note on the Lapps of Finnmark (in Norway). (Royal Anthropological Institute of Great Britain and Ireland. Journal, Nov. 1885. v. 15, p. 210-13)

Includes the physical description of a typical Lapp, based upon anthropometric measurements of about one hundred fifty individuals.

Copy seen: DLC.

BONCHKOVSKII, IŮ. V., *see* Bonchkovskii, V. F., & IŮ. V. Bonchkovskii. Issledovanie primenimosti seismicheskogo metoda. 1937.

1955. BONCHKOVSKII, V. F., and IŮ. V. BONCHKOVSKII. Issledovanie primenimosti seismicheskogo metoda k opredeleniiu glubiny zaleganiia verkhnego zerkala merzloty. (Akademiia nauk SSSR. Komissiiu po izucheniiu vechnoi merzloty. Trudy, 1937. T. 5, p. 131-63) *Title tr.*: The study of the applicability of the seismic method for the determination of the upper surface of permafrost.

Theoretical basis and practical results of the application of seismic method to the study of permafrost are given. This micro-seismic survey was applied for the first time in the station at Skovorodino (53°59'N. 123°55'E.) for which specific permafrost characteristics are stated. Description, illustration of apparatus used, results in several tables, and interpretation with method of calculation of hodographs and depth of the frozen layer are included.

Copy seen: DLC.

1956. BOND, JAMES H., 1906-. From out of the Yukon. Portland, Ore., Binford & Mort [1948] x, 220 p. 32 plates, ports., maps (on lining-paper)

A story of big game hunting north from Mayo to the Wind River, with descriptions of the terrain in the Ogilvie Range and the western part of the Mackenzie Mts., also notes on the moose.

Copy seen: DLC; NNSf.

1957. BOND, RICHARD MARSHALL, 1903-. Characteristics of the gyrfalcons from the Bering Sea area. (Condor, Sept.-Oct. 1949. v. 51, p. 228-29)

Taxonomic note on species of gyrfalcon found along western coast of Alaska.

Copy seen: DSI-M.

1958. BONDARTSEV, APOLLINARI SEMENOVICH, 1877-. Griby iz se-

meistv Polyporeae, Thelephoreae i Hydnaceae sobrannye na Kamchatke V. P. Savichem. (*In*: Komarov, V. L., and others: Kamchatskaia ekspedititsiia, 1912-14, pub. 1914. Vyp. 2, p. 525-34, 594) *Title tr.*: Fungi from the families Polyporaceae, Thelephoreae and Hydnaceae, collected on Kamchatka by V. P. Savich.

Contains a systematic list of twenty-one fungi (fam. Polyporaceae, Thelephoreae and Hydnaceae) collected 1908-09 by V. P. Savich during the F. P. Riabushinskii Expedition.

Summary in German.

Copy seen: NN.

1959. BONDARTSEV, APOLLINARI SEMENOVICH, 1877-. Trutoviki sobrannye V. N. Sukachevym i obrabotannye A. Bondartsevym. Petrograd, 1916. 3 p. (Akademiia nauk SSSR. Zapiski. Seriiu VIII. Fiziko-matematicheskoe otdelenie. T. 28, no. 23. Nauchnye resulyaty ekspedititsii brat'ev Kuznetsovskikh na Poliarnyi Ural v 1910 g., pod nachal'stvom O. O. Baklunda. Vyp. 23) *Title tr.*: Polyporaceae collected by V. N. Sukachev and determined by A. Bondartsev.

Contains a list of eleven species of bracket fungi (Polyporaceae) collected in 1909 by V. N. Sukachev in the Berzovsk district of Tobolsk government and in the tundras of the Ob' River basin.

Copy seen: MH.

1960. BONE, SCOTT CARDELLE, 1860-1936. Alaska, its past, present, future. [Juneau] Issued by the Governor's Office, 1925. 46 p.

Speeches, articles, editorials and addresses by the author as governor of Alaska, 1921-25.

Copy seen: DLC; NNSf.

1961. BONGARD, HEINRICH GUSTAV, 1786-1839. Observations sur la végétation de l'île de Sitka. (Akademiia nauk SSSR. Mémoires, 1833. Sér. 6, Sciences mathématiques, physiques et naturelles. T. 2, p. 119-77, 6 plates) *Title tr.*: Observations on the vegetation of the Island of Sitka.

Based on a collection of plants made on Sitka (Baranof) Island by Dr. C. H. Mertens and A. Postels, during the round-the-world voyage of the *Seniavin* under Litke, 1826-29. Annotated list of two hundred twenty-two (including thirty-five new) species of flowering plants and ferns.

Copy seen: DSI.

1962. BONHAM, W. M. The Labrador iron range. (Canadian mining journal, July 1949. v. 70, no. 7, p. 57-61, sketch maps)

Account of the discovery, situation, geologic features, drilling campaign, and quality of iron ore in the range along the Labrador-Quebec boundary at about 55°N. 67°W., with notes on future railway, hydroelectric power, and market needs. *Copy seen: DGS.*

1963. BONHAM, W. M. Mineral areas of Yukon. I-IV. (Canadian mining journal, Apr.-June, Sept. 1949. v. 70, no. 4, p. 71-73; no. 5, p. 69-71; no. 6, p. 67-70; no. 9, p. 81-83, illus., sketch maps)

General descriptions of (1) accessibility, need for roads, and fuel resources of Yukon Territory; (2) mineral resources of southern Yukon; (3) gold, silver, lead and coal of central Yukon; (4) the little known or little prospected northern Yukon region. *Copy seen: DGS.*

1964. BONHAM, W. M. Northwest Territories in 1948. (Canadian mining journal, Feb. 1949. v. 70, no. 2, p. 90-91)

Brief notes on gold mining operations, and on the more favorable attitude of business interests to industrial development of base metals. *Copy seen: DGS.*

1965. BONNEVIE, KRISTINE, 1872-. *Ascidiae simplices* and *Ascidiae compositae* from the North Atlantic Expedition. Christiania, Grøndahl & Søn, 1896. 2 p. l., 16 p. 2 plates. (Den norske Nordhavs-expedition, 1876-1878. Bd. 7, Zoology, Tunicata, hefte 1 [nr. 2])

List, with descriptions and locations, of eleven species of simple ascidians and ten species of composite ascidians from the Norwegian and Greenland Seas. *Copy seen: DLC.*

1966. BONNEVIE, KRISTINE, 1872-. *Hydroida*. Christiania, Grøndahl & Søn, 1899. 4 p. l., 103, [1] p., 8 l. illus., 8 plates, map. (Den norske Nordhavs-expedition, 1876-1878. Bd. 7, Zoology, hefte 2)

List, with descriptions (including tabulated data), locations and a discussion of distribution, of forty-five (including sixteen new) species of hydroids from the Norwegian and Greenland Seas. *Copy seen: DLC.*

BONNEY, THOMAS GEORGE, 1833-1923, *see* Feilden, H. W., & T. G. Bonney. Notes on glacial geology. 1, Kolguev I. 1896.

BONNEY, THOMAS GEORGE, 1833-1923, *see* Feilden, H. W., & T. G. Bonney. Notes on glacial geology. 2, Lapland, etc. 1896.

1967. BONNYCASTLE, R. H. G. Hudson's Bay Company; Canada's fur trade. (North American Wildlife Conference, 3d, 1938. Transactions. p. 531-37)

Brief notes on Canada as a fur producer, fur animal populations, the white and native trappers, trapping control, and the Hudson's Bay Co. beaver conservation and muskrat farming. *Copy seen: DF.*

1968. BONNYCASTLE, R. H. G. Northern shipwreck. (Beaver, Mar. 1936. Outfit 266, no. 4, p. 30-33, illus.)

Account of the air rescue in 1931, of the crew of the Hudson's Bay Co. steamer *Baychimo*, lost in the ice off Point Barrow, and sighted subsequently (1933) from the Alaskan arctic coast, the "ghost ship of the Arctic". *Copy seen: DSI-M.*

1969. BONORDEN, HERMANN FRIEDRICH, b. 1801, and L. FÜCKEL. Pilze. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 88-96, 1 plate) *Title tr.: Fungi.*

Contains (a) *Fleshy fungi*, by H. F. Bonorden (five species). (b) *Endophytic fungi* (list, with localities and host plants, of thirteen (including with descriptions, eleven new) species, mostly from northeast Greenland, and a few from southeast Greenland). *Copy seen: DLC.*

1970. BONSORFF, ILMARI, 1879-1950. Détermination des attractions locales sur les points astronomiques du réseau principal des triangles. [St. Pétersbourg, Académie impériale des sciences, 1905.] 3 p. l., 57 p. incl. tables, plate. (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe. T. 1, Géodésie, sect. 4, B) *Title tr.: Determination of local attraction at the astronomical points of the principal network of triangles.*

Results of a study of gravity, based on hypsometric maps of the region occupied by the Russian Expedition to Measure an Arc of Meridian on Spitsbergen, that area between the southern tip of the island and about 78°40'N. and including Edge and Barents Islands.

Copy seen: DLC.

1971. BONSDORFF, ILMARI, 1879-1950, and ALFRED A. GUSTAFSSON. Valtakunnan Rayankäynti Petsamossa v. 1921. Helsinki, 1927. 96 p., 25 illus., 3 maps. (Fennia, 47, no. 13) *Title tr.*: Delineation of the national boundary in Petsamo in 1921.

Describes the field survey made in 1921 to carry out the provisions of the Treaty of Dorpat relating to the boundary between the U.S.S.R. and Finland in the Petsamo (Pechengä) area.

Summary in German.

Copy seen: DLC.

BONSDORFF, TOIVO ILMARI, *see* Bonsdorff, Ilmari, 1879-1950.

1972. BONSHTEDT, É. M. Mestorozhdeniia nefelina v Soŭze. (*In*: Khibinskii apatity, 1932. T. 4, p. 11-16, map) *Title tr.*: Deposits of nepheline in the Union.

Mineralogical characteristics of nepheline and its occurrences in the U.S.S.R., including nepheline deposits of industrial value on Kola Peninsula, p. 12-13.

Copy seen: DLC.

1973. BONSHTEDT, É. M. O margantševom neptunite iz Khibinskiikh i Lovozerskiikh tundur. (Akademiia nauk SSSR. Bulletin., jan.-juin, 1924. Sér. 6, t. 18, p. 105-116, tables, diags.) *Title tr.*: About manganic neptunite from the Khibiny and Lovozero Tundras.

Discovery by Fersman Expedition (1922-23) of this mineral hitherto unknown in Khibiny Mountains; character of formations and associations; physical and crystallographic description; optical and chemical analyses.

Copy seen: DLC.

1974. BONSHTEDT, É. M., and others. O novykh mineralakh gruppy mozandrita iz Khibinskiikh tundur. (Akademiia nauk SSSR. Bulletin., sept., 1926. Sér. 6, t. 20, p. 1181-98, tables, diags.) *Other authors:* K. A. Nenadkevich and I. D. Starynkevich-Borneman. *Title tr.*: New minerals of the mosandrite group from the Khibiny Tundras.

Study of rinkolite and lovchorrite, resulting from the Fersman Expedition to the Khibiny Mountains (1920-23); physical and chemical characteristics of the two minerals; comparative chemical analysis of the mosandrite group; description of the Khibiny deposits of rinkolite and lovchorrite.

Copy seen: DLC.

1975. BONSHTEDT, É. M. Otchet o rabote kukisvumchorrskogo otriada. (*In*: Khibinskii apatity, 1932. T. 2, p. 422-24) *Title tr.*: Report on the work of the Kukisvumchorr survey party.

On the first attempt to organize field work for study of the mineral resources of Khibiny Tundras; results of the mineralogical survey of Kukisvumchorr by the Geochemical Section of the Kola Expedition in 1930.

Copy seen: DLC.

1976. BONSHTEDT, É. M. Tširkon Khibinskiikh tundur. (Akademiia nauk SSSR. Bulletin., jan.-déc., 1922. Sér. 6, t. 16, p. 341-58, illus., tables, diags.) *Title tr.*: Zircon of the Khibiny Tundras.

Description of rocks and associated minerals at ten localities; crystallographic study of three types of zircon; distribution of zircon; formation of zircon and associated minerals. Results of the Mineralogical Expedition of A. E. Fersman (1920-1923), undertaken for the Northern Scientific and Economic Expedition.

Copy seen: DLC.

BONSHTEDT, É. M., *see also* Fersman, A. E., & others. Opisanie mestorozhdenii Khibinskiikh tundur. 1928.

BONSHTEDT, É. M., *see also* Kostyleva, E. E., & E. M. Bonshtedt. Predvaritel'nyi otchet mineralogicheskoi eksped. 1921.

1977. BOONE, PEARL LEE. Isopoda of the Canadian Arctic and adjoining regions. Ottawa, King's Printer, 1920. 40 p. (Canadian Arctic Expedition, 1913-1918. Report, v. 7, Crustacea, Pt. D)

List, with comprehensive synonymy and circumpolar distribution, of thirty-three species of marine isopods from the Bering Sea waters of Alaska across the Canadian arctic coast to Davis Strait at the 60° N. lat. parallel; based on the collections of this expedition and on other sources. *Copy seen:* DSI-M.

BOOTH, Sir FELIX, 1775-1850, see Great Britain. Parliament. House of Commons. Select Committee on the expedition to the arctic seas. Report (Ross voyage 1829-33). 1834.

BOOTH, Sir FELIX, 1775-1850, see Ross, Sir J. Observations on a work by Barrow. 1846.

BORCH, S., see Deichmann Branth, J. S. Lichener fra Novaia-Zemlia (*Dijmphna* 1882-83). 1887.

1978. BORDEN, COURTNEY LOUISE (LETTS). The cruise of the Northern Light; explorations and hunting in the Alaskan and Siberian Arctic . . . in which the sea-scouts have a great adventure. New York, Macmillan Co., 1928. xi p., 2 l., 317 p. front., illus. (incl. ports.); maps on lining-papers.

Account of the Borden-Field Museum Alaska-Arctic Expedition, 1927; the cruise by the Inside Passage to Alaska, westward to Dutch Harbor, north through Bering Strait to Point Hope (Alaska), Wrangel Island, and Cape Serdze Kamen (U.S.S.R.), then return to San Francisco. Descriptions of the hunting of the Alaskan brown bear on Alaska Peninsula, also polar bear, walrus and seal in the arctic seas, and the collecting of land and water birds. Includes a chapter on the Chukchis and a list of food for twenty-four people during six months.

Copy seen: DLC; NNS Stef.

BORDEN, L. E., see Canada. Dept. of Marine & Fisheries. Rapport de l'expéd. *La Neptune* 1903-04. 1912.

BORDEN, L. E., see Canada. Dept. of Marine & Fisheries. Report on Dominion Govt. Exped. Hudson B. *Neptune* 1903-04. 1906.

1979. BORG, FOLKE, 1892- . Die Bryozoen. III. Teil. Die marinen Bryozoen (Stenolaemata und Gymnolaemata) des arktischen Gebietes. (*In:* Fauna arctica, 1933. Bd. 6, p. 515-51) *Title tr.:* Bryozoa. Pt. 3. Marine Bryozoa (Stenolaemata [etc.]) of the arctic region.

List, with synonyms and distribution, of two hundred thirty-three species from the seas north of the Arctic Circle, and the waters around Greenland, Iceland and northern North America; with a bibliography (129 items).

Copy seen: DA.

1980. BORG, FOLKE, 1892- . Über die geographische Verbreitung der innerhalb der arktischen Gebietes gefundenen marinen Bryozoen. (Archiv für Naturgeschichte, 1933. Neue Folge, Bd. 2, p. 136-43) *Title tr.:* On the geographic distribution of the marine Bryozoa of the arctic region.

Lists of seven groups: (1) arctic, (2) boreo-arctic (occurring in both zones), (3) arctic-boreal (typical occurrence in the one or other zone not known), (4) boreal, but occurring occasionally in the Arctic because of the Gulf Stream, (5) cosmopolitan species, (6) arctic varieties of boreal or arctic-boreal species, and (7) bipolar species.

Copy seen: DA.

1981. BERGE, OSKAR FREDRIK, 1862-1938. Beiträge zur Algenflora von Schweden. Uppsala & Stockholm, Almqvist & Wiksell, 1906. 88 p. 3 plates. (Arkiv för botanik, 1906-1907, pub. 1907. Bd. 6, no. 1) *Title tr.:* Contributions to the algal flora of Sweden.

Contains a systematic list of all known algae of Sweden, including some native to the arctic region, with synonymy, data on distribution and Latin diagnoses of nine species and forms.

Copy seen: MH.

1982. BERGE, OSKAR FREDRIK, 1862-1938. Beiträge zur Algenflora von Schweden. 2. Die Algenflora um den Torne-Träsksee in Schwedisch-Lappland. (Botanisk notiser, 1913, häfte 1, p. 1-32, plates 1-3; häfte 2, p. 49-64; häfte 3, p. 97-110, illus.) *Title tr.:* Contributions to the algal flora of Sweden. 2. Algal flora of Torne Träsk lake in Swedish Lapland.

Contains a systematic revision of fresh-water algae from the Torne Träsk (68°20'N. 18°40'-20'E.) region of Swedish Lapland, with a list of localities, p. 3-7, a systematic enumeration of four hundred forty-two species, including nine new to science and fifty-five new to the algal flora of Sweden; critical notes, data on local distribution and an index to the species, p. 104-109.

Copy seen: MH-A.

1983. BERGE, OSKAR FREDRIK, 1862-1938. Et litet bidrag til Sibiriens Chlorophyllophyce-flora. Stockholm, P. A. Norstedt & Söner, 1891. 16 p. plate. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 17, afd. 3, no. 2)

Title tr.: A brief contribution to the Chlorophylliphyceae flora of Siberia.

Contains a systematic enumeration of seventy-two algae collected by A. N. Lündström, a member of Nordenskiöld's expedition of 1875, in the lower Yenisey River between 65°25'N. and 71° 40'N.

Copy seen: DLC; MH.

1984. BORGE, OSKAR FREDRIK, 1862-1938. *Prasiola fluviatilis* (Sommerf.) Aresch. funnen i Sverige. (Botaniska notiser, 1922, p. 174) **Title tr.:** *Prasiola fluviatilis* (Sommerf.) Aresch. found in Sweden.

Contains a very brief report of a find of *Prasiola fluviatilis*, a fresh-water alga, in Norre Sarek district, Lule Lappmark, known previously from other arctic regions, including Novaya Zemlya and West Spitsbergen.

Copy seen: MH-A.

1985. BORGE, OSKAR FREDRIK, 1862-1938. Süßwasser-Chlorophyceen gesammelt von Dr. A. Kihlman im nördlichsten Russland, Gouvernement Archangel. Stockholm, P. A. Norstedt & Söner, 1894. 41 p. 3 plates. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 19, afd. 3, no. 5) **Title tr.:** Fresh-water Chlorophyceae collected by Dr. A. Kihlman in northern Russia, Arkhangelsk province.

Contains a list of localities and a systematic enumeration of two hundred seventeen species of fresh-water algae collected in June-Sept. 1891 by A. O. Kihlman (later known as A. O. Kairamo) in the lower courses of Pechora, Mezen' and Pinega Rivers in the Arkhangelsk region. **Copy seen:** MH.

1986. BORGE, OSKAR FREDRIK, 1862-1938. Süßwasseralgen von Franz Josefs-Land, gesammelt von der Jackson-Harmsworth'schen Expedition. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1899. Årg. 56, p. 751-66, illus.) **Title tr.:** Fresh-water algae from Franz Josef Land, collected by the Jackson-Harmsworth Expedition.

List, with characterization, of 57 stations (mainly on Cape Flora) from which algal materials were collected by this expedition in the summers of 1895 and 1896; annotated list of about forty-five species and forms of fresh-water algae, some figured and discussed in detail; and tabular record of their

occurrence in Novaya Zemlya, West Spitsbergen and Greenland, also distribution elsewhere. **Copy seen:** DLC.

1987. BORGES, GUS. Don't go halibut fishing! (Alaska sportsman, Aug. 1936, v. 2, no. 8, p. 16-18, 20, illus. diagr.)

Description of vessels, gear, and methods of halibut fishing in the Gulf of Alaska, with note on regulations.

Copy seen: DLC.

1988. BORGMAN, FRIEDRICH WILHELM. Klima und Politik im Eismeer. (Zeitschrift für Geopolitik, Juni 1938. Jahrg. 15, p. 439-50, 8 sketch maps) **Title tr.:** Climate and politics of the Arctic Ocean.

Contains discussion of temperature variations in the Eurasian Arctic from the ice age to modern time, including the influence of the Gulf Stream, the pack ice, etc., the retreat and advance of peoples, and exploration of the Arctic.

Maps include: ice age temperature inversions in historic time; dynamics of discovery in the 16th century; the development of the Siberian arctic sector of the Soviet Union, as of 1937 (showing maximum and minimum extent of drift ice, inland waterways, railroads, air lines, Siberian road, radio stations, and number of months of open navigation on various parts of the Northern Sea Route).

Copy seen: DLC.

1989. BORISHANSKII, L. S. Metod nepreryvnoi registratsii solenosti morskoi vody. (Problemy Arktiki, 1939, no. 6, p. 39-46, illus., table, diagrs.) **Title tr.:** A method of continuous recording of sea-water salinity.

Description of a device for recording sea-water salinity used by the *Sadko* Expedition in Laptev Sea in 1937. Table shows specific resistance of sea-water of different concentration at various temperatures. Bibliography (9 items).

Copy seen: DLC.

1990. BORISHANSKII, P. I. O perezhitkakh rodovyykh otnoshenii na severovostoche Azii. (Sovetskaya étnografiya, 1935, vyp. 4-5, p. 85-106) **Title tr.:** Concerning the survival of clan relations in northeast Asia.

Contains a detailed analysis of the form of the social organization, the clans, marriage regulations, position of women among the Reindeer Yukaghir,

and the Hunting and Fishing Yukaghir, and the Koryaks. The author differs in his interpretation from other authorities in that he finds evidences of a matriarchal clan among the first group. The second group represents the second stage of development, the matriarchal clan is substituted by the patriarchal, and matrilineal residence by patrilineal. The Koryaks represent the third stage, and only slight traces of the former matriarchal organization are present.

Copy seen: DLC.

1991. BORISOV, A. A. Klimatologicheskie issledovaniia v raione Zapoliarnogo doma otdykha (na oz. Imandra). (Klimat i pogoda, 1936. No. 1 (64), p. 28-30) *Title tr.*: Climatological investigations in the region of the Polar Rest House on Lake Imandra.

Temperature, sunshine, cloudiness and wind conditions for this resort on Lake Imandra (67°45'N. 33°05'E. on Kola Peninsula) are summarized for the summer of 1936.

Copy seen: DWB.

1992. BORISOV, A. A. Klimaty SSSR. Moskva, Gosudarstvennoe uchebno-pedagogicheskoe izd-vo, 1948. 222, [2] p. illus., sketch maps, diagrs., 5 fold. maps (mounted inside back cover) *Title tr.*: Climate of the U.S.S.R.

"This publication is intended as a text for advanced students in universities. The first section is devoted to a discussion of the various climatic elements in logical order: solar radiation, pressure and general circulation, temperature, humidity, cloudiness and sunshine, snow cover and evaporation, with special attention to their annual and geographical variation. The second part takes up the climate of various sections of the USSR divided according to maritime regions, plains and lowlands, and mountainous regions. [etc.]" Includes northern seas, p. 103-121, eastern seas (Bering and Okhotsk) p. 121-25, the tundra, p. 138-46, Khimyn, p. 177-81.

Reviewed in *Meteorological abstracts and bibliography*, Feb. 1950, v. 1, no. 2, p. 112-13.

Copy seen: DLC.

1993. BORISOV, A. A. Ob izuchenii klimata Arktiki. (Priroda, 1937. No. 6, p. 9-12) *Title tr.*: On the state of climatological investigations in the Arctic.

Results of recent investigations show the following typical peculiarities of the Arctic: (1) a prevalence of inversions; (2) a rise of temperature during one of the winter months; (3) weak winds in the Arctic Basin; (4) the presence of monsoon winds; (5) great extent of fogs.

Copy seen: DLC.

1994. BORISOV, ALEKSANDR ALEKSEEVICH, 1866-. Na Novuiu Zemlu. Ocherk polarnogo putesthestviia. Praga, Izdatel' F. Topich, 1906. 12 p., 12 mounted col. plates, port. *Title tr.*: To Novaya Zemlya, the story of an arctic trip.

Narrative (p. 3-11) of a trip by a small party in the author's yacht *Mechta* in 1900-01 for the purpose of determining whether there was sufficient game and fish for export, also to describe the unexplored parts of the shores, to collect zoological and botanical specimens, and, (primarily) to paint pictures for future exhibition. Places seen on both coasts, as well as the crossings through Matochkin Shar and overland, are described, but no economic or scientific conclusions are given.

Plates are reproductions of the author's paintings of scenes, episodes, etc., connected with the expedition.

Copy seen: NNStef.

1995. BORISOV, ALEKSANDR ALEKSEEVICH, 1866-. U. samoedov. Ot Pinegi do Karskogo moria. S.-Peterburg, Izdanie A. F. Devriena, [ca. 1900]. 104 p., illus., plates (incl. 15 col. and mounted) *Title tr.*: With the Samoyeds. From Pinega to the Kara Sea.

Travel sketches by an artist who went to Bol'shezemel'skaya Tundra and Vaygach Island in 1897, lived among the Samoyeds, observing their way of life and customs. Excerpts from his diary are included and reproductions of thirty-six of his paintings and sketches, representing nature in the far North and scenes from the life of the Samoyeds. Some of the original paintings are at the Tred'akovskaya Gallery, Moscow.

Copy seen: NN.

BORISOV, ALEKSANDR ALEKSEEVICH, 1866-, see also Heilig, S. Arctic color. 1908.

BORISOV, G. A., see Savich, V. P. Chukotskie lishainiki G. A. Borisova. 1915.

1996. BORISOV, P. A. Keivskie kiani-ty. (In: Akademiia nauk SSSR. Kol'skaia baza. Proizvoditel'nye sily. I, 1940. p. 153-81, illus., fold. map, tables) *Title tr.*: The Keyv cyanites.

Contains a geographical and geological description of Keyv plateau on Kola Peninsula between basins of Yokan'ga and Ponoy Rivers (about 67°10'-68°N. 36°-40°E.), and description of Keyv deposits of cyanite schists and their evaluation from the viewpoint of industry. Bibliography (20 items).

Copy seen: DGS.

1997. BORISOV, P. A. Mestorozhdeniia nefelinovykh peskov na Kol'skom poluostrove. Moskva, 1929. 63, [1] p., illus., maps, diagrs. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 44) *Title tr.*: Deposits of nepheline sands in Kola Peninsula.

Results of the author's field work in 1927 on the nepheline sand deposits on the eastern shore of Lake Imandra; geological description of the region, chemical analysis of the sand and discussion of its potential use in the ceramic industry.

Summary in English.

Copy seen: DLC.

1998. BORISOV, P. G. Dog-salmon and navaga from the Lena basin. Leningrad, 1928. 2 p. l., 15 p., plate. (Akademiia nauk SSSR. Komissia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1928. Vyp. 28) *Russian title supplied*: Keta i navaga basseina reki Leny.

A description of two species of fish hitherto unrecorded from Lena River, based on specimens taken by the ichthyological party of the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925-1926.

Summary in Russian.

Copy seen: DLC.

1999. BORISOV, P. G. Ocherk rybolovstva Yakutskoi respubliki. (In: Yakutiia, 1927, p. 469-89, illus.) *Title tr.*: A description of fisheries of the Yakut Republic.

A general sketch of the fisheries of the Yakut A.S.S.R., with some description of method and means of fishing, also data on fish consumption and export. Bibliography, p. 489.

Copy seen: DLC.

2000. BORISOV, P. G. Predvaritel'nye dannye o rybnom promysle v nizov'iaakh reki Kolymy. Leningrad, 1929. 2 p. l., 14 p. (Akademiia nauk SSSR. Komissia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 32) *Title tr.*: Preliminary data on the fisheries of lower Kolyma River.

A preliminary report on the Kolyma River fisheries based on observations of a party working for the Academy of Sciences of U.S.S.R., 1928; gives general information, seasons of work, catch, equipment, etc. Bibliography, p. 14.

Copy seen: DLC.

2001. BORISOV, P. G. Ryby reki Leny. Leningrad, 1928. 3 p. l., 181 p., 6 plates, fold. map. (Akademiia nauk SSSR. Komissia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Trudy. Tom IX) *Title tr.*: Fishes of the River Lena.

Results of an ichthyological investigation made for the Academy of Sciences, Commission for Study of the Yakut A.S.S.R. during the summer of 1925. Gives descriptions of the thirty-six species of fishes found in the river, their local range, size of specimens, economic importance, comparison with fish fauna of the Siberian water courses; information on the biology, the catch and (briefly) on the fisheries of the region.

Summary in English.

Copy seen: DLC.

2002. BORISOV, P. G. Sovremennoe sostoiianie rybnogo promysla v nizov'iaakh reki Leny i puti ego razvitiia. Leningrad, 1928. 2 p. l., 32 p., illus. (Akademiia nauk SSSR. Komissia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1928. Vyp. 28) *Title tr.*: Contemporary conditions in the fishing industry on the lower Lena River, and its development.

Describes the fisheries of the region, discusses the primitive methods in use and means of improving the output.

Copy seen: DLC.

2003. BORISOV, TROFIM MIKHAILOVICH. Posoly dal'nevostochnykh lesosevykh. Khabarovsk, Dal'nevostochnoe kraevoe gosudarstvennoe izd-vo. 1938. 111 [1] p. illus., tables, diagrs. *Title tr.*: Salting of Far Eastern

salmon. Issued by: Pacific Ocean Scientific Research Institute of Fisheries and Oceanography.

Contains description and technology of various kinds of industrial processing of salmon by salting, as practiced in the Far East U.S.S.R. (in the basin of Amur River, on the shores of Okhotsk Sea and in Kamchatka); also information on the salmon of that region.

Copy seen: DLC.

2004. BORISOVA, ANTONINA GEORGIEVNA, 1903-. Novye bobovye flory SSSR. (Akademiia nauk SSSR. Botanicheskii institut imeni V. L. Komarova. Botanicheskie materialy gerbariia, 1947. T. 10, vyp. 1-12, p. 43-84, illus.) *Title tr.*: New Leguminosae of the flora of the U.S.S.R.

Contains Latin description of *Astragalus inopinatus* n. sp. from Yakutia.

Copy seen: MH-A.

2005. BORISOVA, ANTONINA GEORGIEVNA, 1903-. O vidakh roda *Oxytropis* v predelakh Urala. (Sovetskaiia botanika, 1936. No. 4, p. 118-24) *Title tr.*: On the species of the genus *Oxytropis* in the Ural Mountains.

Contains a taxonomic study of five species of herbaceous genus *Oxytropis*, including Latin diagnoses of two new species and critical notes on *O. uralensis*, native to the northern Ural.

Copy seen: MH-A.

2006. BORMANTOV, SERGEI. Kamchatskii zapovednik "Kronoki". (Sovetskii Sever, 1933, T. 4, no. 5, p. 60-66, illus.) *Title tr.*: Kronoki state game preserve in Kamchatka.

Description of the 11,000 square km. game sanctuary around Lake Kronotskoye in the eastern section of Kamchatka Peninsula (54-56°N.); general characteristics of the region; animals in the preserve; sable, fox, ermine, bear, reindeer, wolf, etc.

Copy seen: DLC.

2007. BORN, AXEL, 1887-. Zur Kenntnis des Orogens der Taimyr-Halbinsel. (Geologische Rundschau, 1933. Bd. 24, p. 129-37, illus.) *Title tr.*: On the massif of the Taymyr Peninsula.

Discussion of the late Paleozoic orogeny of the Taymyr Peninsula, based on photographs from the *Graf Zeppelin* expedition, and from previously published papers of other authors.

Copy seen: DGS.

2008. BORN, MAX, 1882-. Elastic constants of ice. (Nature, Dec. 7, 1946. v. 158, p. 830-31, diagr.)

Note on investigations in progress of vibrations of the ice lattice, with the suggestion that "the hydrogen atoms exchange their positions by finite jumps from the neighborhood of one oxygen atom to that of another, in such a way that there are always two hydrogen atoms near an oxygen atom."

Copy seen: DLC.

2009. BORNEMAN-STARYNKEVICH, I. D. Redkie zemli iz lovchorrita (In: Khibinskie apatity, 1933. T. 5, p. 96-100, tables) *Title tr.*: Rare-earths from lovchorrite.

On experiments in separation of rare-earth metals from a complex area containing lovchorrite and other related minerals having almost the same physical properties and solubility. Tables show the content of rare-earths in lovchorrite, rinkolite, and small lovchorrite crusts from various deposits of the mineral in Khibina.

Copy seen: DLC.

2010. BORNEMAN-STARYNKEVICH, I. D. Redkie zemli v Khibinskikh apatitakh. (In: Khibinskie apatity, 1931. T. 3, p. 218-20) *Title tr.*: Rare-earth metals in the Khibina apatite.

Discussion on the slight practical value of extracting rare-earth metals from Khibina apatites, owing to the small percentage of these metals present. Remarks on recent attempts to combine the separation of rare-earth metals with the processing of apatite into phosphatic fertilizers.

Copy seen: DLC.

BORNEMAN-STARYNKEVICH, I. D., see also Antonov, L. B., and others. Novye zhily s redkozemel'nymi mineralami. 1933.

BORNEMAN-STARYNKEVICH, I. D., see also Bonshtedt, E. M., and others. O novykh mineralakh gruppy mozan-drita. 1926.

2011. BORODATOVA, ZENEIDE. Heringe des Barentsmeeres. (Zoologischer Anzeiger, Sept. 1929. Bd. 84, p. 307-315) *Title tr.*: Herring of Barents Sea.

Based on a study of catches in Kola Inlet and Murman coastal waters, data on age groups and meristic characters; bibliography (7 items).

Copy seen: DSI-M.

2012. BORODIN, IVAN PARFEN'-EVICH, 1847-1930. Kollektory i kollektzii po flori Sibiri. S.-Peterburg, 1908. iii, 245 p. (Akademiia nauk SSSR. Botanicheskii Muzei. Trudy, 1908. Vyp. 4) *Title tr.*: Collectors and collections of the Siberian flora.

Contains detailed data on seven hundred fifty collectors and collections arranged by regions, including the Arctic, with indexes of collectors and geographic names. *Copy seen*: NNBG.

2013. BOROVIK, S. A., and S. I. NABOKO. O raspredelenii elementov, sodershaschikhsia v vozgonakh. (Akademiia nauk SSSR. Kamchatskaia vulkanologicheskaiia stanitsiia. Biulleten', 1941. No. 9, p. 11-18, illus., diagrs.) *Title tr.*: On the distribution of elements contained in sublimates.

Chemical analyses of discharges taken from various volcanic craters on Kamchatka Peninsula.

Published also in English with title as above. *Copy seen*: DLC.

2014. BOROVIK, S. A., and S. I. NABOKO. On the distribution of elements contained in sublimates. (Academy of Sciences of the U.S.S.R. Kamchatka Volcanological Station. Bulletin, 1941. No. 9, p. 11-18, illus., diagrs.)

English edition of their *O raspredelenii elementov sodershaschikhsia v vozgonakh*, 1941, q.v.

Copy seen: DLC.

2015. BOROVIK, S. A., and V. I. VLODAVETS. O vozgonakh Tuily i Biokosia sbora 1936 g. (Akademiia nauk SSSR. Kamchatskaia vulkanologicheskaiia stanitsiia. Biulleten', 1938. No. 4, p. 19-22) *Title tr.*: The sublimates of Tuila and Biokos, collected in 1936.

Analyses of sublimates taken at the openings of the fumaroles of Tuyla and Biokos volcanoes, Kamchatka Peninsula.

Published also in English with title as above. *Copy seen*: DLC.

2016. BOROVIK, S. A., and V. I. VLODAVETS. The sublimates of Tuila and Biokos, collected in 1936. (Academy of Sciences of the U.S.S.R. Kamchatka Volcanological Station. Bulletin, 1938. No. 4, p. 19-22)

English edition of their *O vozgonakh Tuily i Biokosia sbora 1936 g.*, 1938, q.v.

Copy seen: DLC.

2017. BOROVIKOV, G. Ovoshchevodstvo v sovkhoe "Polharnom". (Sovet-

skaia Arktika, 1939, no. 6, p. 93-98, illus., tables) *Title tr.*: Vegetable growing on state farm "Polharnyi".

Results obtained in vegetable growing in hot houses and open ground on a state farm near Igarka, 1932-38.

Copy seen: DLC.

2018. BORODZENKO, I. B. Geologiia i poleznye iskopaemye Komi ASSR. Syktyvkar, Komi Gosizdat, 1940. 118, [1] p. illus., 21 sketch maps (1 fold.) *Title tr.*: Geology and useful minerals of Komi A.S.S.R.

Outlines of geography of the Komi region (roughly 61°-68°N. 46°-66°E.); its hydrography, climate and soils; geological structure in general; hydrology (radioactive springs); useful minerals (petroleum, coal, bituminous schists, iron, copper and lead ores, gold, phosphorites). The part of Komi region above the Arctic Circle is characterized by marshy plains of tundra, except for the western slopes of the Urals in the basin of Vorkuta River, where there are coal mines. Bibliography (over 300 items).

Map (geological) of Komi A.S.S.R., scale approx. 1:4,000,000.

Copy seen: DGS.

2019. BORRON, E. B. Report on the basin of Moose River and adjacent country belonging to the Province of Ontario. Toronto. Printed by order of the Legislative Assembly, 1890. ix, 94 [1] p., fold (diagr.) map.

Contains the stipendiary magistrate's report for 1889 to the Attorney-General of Ontario, on results of explorations for lignite coal, with extracts from his earlier reports on explorations during 1879-85, including a report for 1880 by C. H. Gamsby, and quotations from Robert Bell's descriptions in Canadian Geological Survey reports, 1875 and 1879-80. Includes data on the topography, timber, minerals, agricultural resources and possibilities, mineral resources, and social conditions of the Indians and others in the area lying north of the height of land in the Province of Ontario to the northern (James Bay) coastal belt; also remarks on the harbors of the bay and navigability of the rivers, the routes followed, distances traversed and portages necessary.

Appendix: Letter from Dr. Selwyn giving results of an examination of

specimens of kaolin or china-clay and of white-sand. *Copy seen:* DGS.

BORSHCHOV, GRIGORII GRIGOR'-EVICH, see Borshchov, I. G., & G. G. Borshchov. Musci Taimyrenses. (Middendorff 1843-44). 1856.

2020. BORSHCHOV, IL'TA GRIGOR'-EVICH, 1833-1878, and G. G. BORSHCHOV. Musci Taimyrenses, Boganidenenses et Ochotenses nec non Fungi Boganidenenses et Ochotenses in expeditione Sibirica annis 1843 et 1844 collecti. (In: Middendorff, A. T. v., and others. Reise in den aussersten Norden u. Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 1, Theil 2, Lfg. 3, pub. 1856. p. 135-48) *Title tr.*: Mosses of Taymyr, Boganida and Okhotsk, and Fungi of Boganida and Okhotsk collected on the Siberian expedition in the years 1843 and 1844.

Contains two lists of mosses: twenty-six species from Taymyr Peninsula and the Boganida (part of the Khatanga River system) region, and thirty from the Okhotsk region; a systematic enumeration of sixteen species of fungi from the Boganida River basin, including *Daedalea boganidenensis* n. sp., and eight species from the Okhotsk region, with *Agaricus extinetoriiformis* and *Polyporus scutellatus* n. spp.

Copy seen: DSI-M; MH-A.

2021. BORUM, VILLY, 1903- . Grønland, Danmark i Nord. [København] Berlingske Forlag, 1947. 96 p. of illus., ports., maps. *Title tr.*: Greenland; Denmark in the North. Text in Danish and English.

A pictorial review of places, people, history, scientific research, industry, government, natural history,—in short, of life in Greenland.

Copy seen: CaMAI.

2022. BORUP, GEORGE, 1884-1912. A tenderfoot with Peary. New York, Frederick A. Stokes Co., [1911] xvi, 317 p. 31 plates, incl. ports., fold. map.

Popular account of the Peary Expedition, 1908-1909, by its youngest American member. Includes account of the author's participation, with one of the supporting parties, in the first part of the polar march, and in a sledge trip along the North Greenland coast with D. B. MacMillan.

Copy seen: DLC; NNSStef.

2023. BORUTSKII, E. V. Zur Frage über den Ruhezustand bei Copepoda-Harpacticoida. Dauereier bei *Canthocamptus arcticus* Lilljeborg. (Zoologischer Anzeiger, Juli 1929. Bd. 83, p. 225-33, illus.) *Title tr.*: On the question of the resting stage of Copepoda Harpacticoida. Winter egg of *Canthocamptus arcticus* Lilljeborg.

Description of the wintering stage and discussion of the stenothermic and monocyclic forms of this crustacean and related groups in arctic and boreo-subglacial regions.

Copy seen: DSI-M.

2024. BOSCHMA, H. Rhizocephala. Copenhagen, B. Luno, 1928. 2 p. l., 49 p. illus., sketch map, table. (Ingolf-Expedition, 1895-1896. [Reports] v. 3, pt. 10)

Of the twelve species of these parasitic crustaceans discussed in this paper, two are reported from northern waters (Davis and Denmark Straits).

Copy seen: DSI-M.

2025. BOSTOCK, HUGH SAMUEL, 1901- . Carmacks district, Yukon. Ottawa, King's Printer, 1936. 2 p. l., 67 p. 3 plates (incl. front.) 2 fold. maps (in pocket). (Canada. Geological Survey. Memoir 189)

Contains chapters on physiography and glaciation; general and economic geology (including gold and coal deposits and mining); with bibliographic footnotes.

Maps: Geological, Fig. 1, Tantalus Butte-Tatchun Lake area (scale 1:126,720); map 340A (scale 1:253,440) 62°-63°N. 136°-138°W. *Copy seen:* DLC.

2026. BOSTOCK, HUGH SAMUEL, 1901- . Geology of Carmacks map-area. (Canada. Geological Survey. Summary report, 1933, pub. 1934. Pt. A, p. 6-8, illus. (map)

A preliminary report on the geology of the area 62°-63°N. 136°-138°W., as it relates to prospecting. A full report appeared as H. S. Bostock's *Carmacks district, Yukon*, 1936, q.v.

Copy seen: DLC.

2027. BOSTOCK, HUGH SAMUEL, 1901- . Mayo District, Yukon. (In: Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 110-12, sketch map)

Brief statement of the structure of this central Yukon area, relative to the silver-lead deposits. *Copy seen:* DGS.

2028. BOSTOCK, HUGH SAMUEL, 1901- . Physiography of the Canadian Cordillera, with special reference to the area north of the fifty-fifth parallel. Ottawa, King's Printer, 1948. ix, 106 p. incl. front. and 32 plates. fold. map. (Canada, Geological Survey. Memoir 247)

Study of the characteristic topographic features. The author establishes a broad terminology (for use in future more detailed studies) based on knowledge of the Canadian Cordillera and on a "careful study of many thousands of air photographs" made by the United States and Canadian Air Forces. He gives characterizations of (1) the eastern system, comprising the Rocky Mts., Mackenzie Mts., and arctic area (Richardson Mts., Arctic Plateau and Coastal Plain); (2) the interior system, including northern plateau and mountains (Selwyn and Ogilvie Mts. and Yukon Plateau); and (3) the western system, including St. Elias Mts.

Maps: physiographic subdivision of Canada north of 55°N. between 120°-140°W., scale 1:2,534,400.

Copy seen: DGS.

2029. BOSTOCK, HUGH SAMUEL, 1901- . Preliminary map McQuesten, Yukon Territory (map and descriptive notes). Ottawa, 1948. p. l., 13 l. fold. map. (Canada, Geological Survey. Paper 48-25) Mimeographed.

Description of physical features, transportation and routes, glaciation, geology and gold prospecting in the area 63°-64°N. 136°-138°W. on both sides of the Stewart River at the confluence of McQuesten River.

Map (geologic), scale 1 inch: 2 miles.

Copy seen: DGS.

2030. BOSTOCK, HUGH SAMUEL, 1901- . Prospecting in Yukon. (Western miner, Apr. 1949. v. 22, no. 4, p. 166-68, 170, illus.)

Some "broad factors pertinent to prospecting" in the south central section of the Territory. Notes on rail, highway, river and air transportation, physiography and geology, and the mineral belts and areas. *Copy seen:* DGS.

2031. BOSTOCK, HUGH SAMUEL, 1901- . Prospecting in Yukon Territory.

(Precambrian, July 1949. v. 22, no. 7, p. 8-11, 2 sketch maps)

Description of surface and air transportation, physiographic and geologic features, and the mineral belts and areas of southern Yukon.

Copy seen: DGS.

2032. BOSTOCK, HUGH SAMUEL, 1901- . Prospecting possibilities of Teslin-Quiet Lake-Big Salmon area, Yukon. Ottawa, 1936. 1 p. l., 6 l. fold. map. (Canada, Geological Survey. Paper 36-2)

Contains notes on the routes to the area, its general geology, placer gold prospecting and possibilities for lode production.

Copy seen: DGS (map missing).

2033. BOSTOCK, HUGH SAMUEL, 1901- . The Yukon of today. (Canadian surveyor, special ed. 1938. p. 28-35, illus.) In Proceedings of Thirty-first annual meeting of the Canadian Institute of Surveying, February 2-3, 1938, at Ottawa.

Sketch of the populated places, transportation, topography and geology, and mining industry of the Territory.

Copy seen: DLC.

2034. BOSTOCK, HUGH SAMUEL, 1901- , and E. J. LEES. Laberge map-area, Yukon. Ottawa, King's Printer, 1938. 2 p. l., 32 p. incl. tables. 2 plates (incl. front.) fold. col. map (in pocket). (Canada, Geological Survey. Memoir 217)

Contains chapters on physical features and glaciation; general and economic geology, including the gold placers.

Map: 372A (scale 1:253,440) 61°-62° N. 134°-136°W.

Copy seen: DLC.

2035. BOSTOCK, HUGH SAMUEL, 1901- , and W. E. COCKFIELD. Mining industry of Yukon, 1929-1940. Ottawa, King's Printer, 1930-1941. 12 v. in 11. plates, tables, diags. (part fold.) 1929-30 was prepared by W. E. Cockfield. 1929-33 was published in Canada, Geological Survey, Summary report, 1929-1933, Pt. A; 1934-40 was published as Canada, Geological Survey, Memoirs 178, 193, 209, 218, 220, and 234 respectively.

Annual report on activities of gold placer and lode mining, 1929-40; coal mining, 1937-40; and tungsten, antimony and manganese deposits, 1939-40.

File seen: DLC.

BOSTOCK, HUGH SAMUEL, 1901-, see also Lang, A. H., & others. Interim catalogue air photographs. 1947.

2036. BOSTON ALASKAN; published in the interests of Alaska. v. 1, no. 1-11, Aug. 1906-June 1907. Boston, Boston-Alaskan Society, 1906-1907. 1 v. illus.

Monthly, edited by L. M. Morton, containing articles, editorials, news notes and cartoons, dealing with all phases of Alaskan life (economic, social, political, and scientific).

File seen: NNS Stef.

2037. BOTTS, ADELBERT K. Geographic backgrounds of Hudson Bay history. (Social education, 1947. v. 11, p. 343-45)

Brief sketch of the area, fur resources, the people, climate, soil and vegetation in the Hudson's Bay Co. territory from its beginning.

Copy seen: DLC.

2038. BOUCHÉ, MICHEL, and GÉRALD TAYLOR. Campagne au Groenland, 1948. Météorologie. (Expeditions polaires françaises. Expédition arctique. Publications (sér. scientifique), 1949. No. 7, p. 1-21 incl. 1 fold. plate, tables, diagrs.) *Title tr.:* Greenland Expedition, 1948. Meteorology.

Results of the French Arctic Expedition to Greenland, 1948: notes on program, personnel and equipment; tabular results of observations made four times daily, July 14-Aug. 26 at the edge of the icecap, 69°46'N., 615 meters elevation, in West Greenland; upper wind observations for selected days in the same period; discussion of results, and a journal.

Copy seen: CaMAI.

BOUCHÉ, MICHEL, see also Victor, P. E., & others. Rapport préliminaire Groenland 1948. 1949.

2039. BOUCOT, A. J. Allanite from Godthaab, South Greenland. (Rocks & minerals, Jan.-Feb. 1949. v. 24, p. 35 & 61)

Based on the author's collections made during the MacMillan-Chicago Geographical Society Greenland Expedition, 1947, from the mineral-bearing rock consisting of a banded biotite gneiss, rich in plagioclase and quartz. Description of the mineral and results of a semi-quantitative spectro-chemical analysis.

Copy seen: DGS.

2040. BOUGHNER, C. C. The climate of Canada. (Royal Meteorological Society. Quarterly journal, July, 1937. v. 63, p. 419-31, map, 3 plates)

Climatological sketch of the provinces and territories of the Dominion of Canada, including the northern regions.

Copy seen: DLC.

BOUGHNER, C. C., see also Canada. Meteorological Service. Climatic summaries for stations in Canada. 1947-48.

2041. BOVALLIUS, CARL, 1849-1907. Arctic and antarctic hyperids. (In: Nordenskiöld, N. A. E. Vegaexpeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 543-82)

Review of literature and list, with synonymy, localities and remarks, of twenty-two arctic and thirteen antarctic species of these pelagic crustaceans, partially collected by N. A. E. Norden-skiöld on the *Vega*, 1878-79.

Copy seen: DGS.

2042. BOVALLIUS, CARL, 1849-1907. A new isopod from the Swedish Arctic Expedition of 1883. Stockholm, P. A. Norstedt, 1885. 12 p. 2 plates (Svenska vetenskapsakademien. Handlingar. Bi-hang. Bd. 10, no. 9)

Description of one new species of the family Aegidae (found south of Cape Farewell, southern point of Greenland) which was classified as a separate genus and named *Aegiochus nordenskiöldii*.

Copy seen: DLC.

2043. BOVE, GIACOMO, 1852-1887. Il Passaggio del Nord-Est; spedizione arctica Svedese della "Vega" (1878-1879). Diario di Giacomo Bove a cura del Dott. A. Fresa. Roma, 1940. xlviii, 363 p. illus., 29 plates (incl. ports., 7 fold. maps, fold. diagrs.) tables. (Società geografica italiana. Memorie. v. 19) *Title tr.:* The Northeast Passage; Swedish Arctic Expedition of the *Vega* 1878-79. Diary of Giacomo Bove.

Lt. Bove of the Italian Navy, accompanied Nordenskiöld as meteorologist and hydrographer. His journal of the expedition is edited with introductory chapters by A. Fresa.

Contents tr.: Fresa, A. Preface. Bi-ographical note on G. Bove. Historical sketch of the Northeast Passage.

Diary of G. Bove. Pt. 1. Preparation for the expedition (including description of the *Vega* and ship's plan). Pt. 2. Voyage across the Arctic Ocean. (In-

cludes remarks on ice conditions, the Samoyeds and Chukchis, Dikson Island, and Cape Chelyuskin, with hydrographic data on Yugor Strait). Pt. 3. Wintering and the Northeast Passage. (Notes on Pitlekay, the winter station, on scientific work and winter excursions, and on the Chukchis; with some appended remarks on meteorological and hydrographic conditions).

Copy seen: DGS; DLC.

2043A. BOWDEN, F. P. and T. P. HUGHES. The mechanism of sliding on ice and snow. (Royal Society of London. Proceedings, 1939. Ser. A. v. 172, p. 280-98, diagrs.)

"Experimental studies of the friction on ice surfaces have shown that the low frictions observed at temperatures near the melting-point were due to lubrication by a thin water film at the points of contact between the sliding surfaces. The coefficient of kinetic friction was found to be independent of the load, apparent area of contact, and speed of sliding over a certain range. When the temperature of the ice was decreased, the friction rose markedly as the water film became more difficult to form. Using ski of various materials, it was observed that the friction depended very largely on the thermal conductivity of the ski. This result suggested that frictional heating played a large part in melting a water film during sliding; it had been previously considered that pressure melting was alone responsible for the formation of this water film.

"Experiments with miniature and real ski on snow surfaces showed that the same general laws were obeyed as on ice surfaces. The higher frictions obtained on snow were attributed to the extra work done in displacing and compressing the snow crystals."—Authors' summary.

Bibliography (14 items).

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BOWDITCH, NATHANIEL, 1773-1838, *see* U. S. Hydrographic Office. American practical navigator. 1943.

BOWER, WARD TAFT, 1881- , *see* U. S. Bureau of Fisheries. Alaska fishery & fur seal industries, 1911-45. 1912-48.

BOWIE, WILLIAM, 1872- , *see* American Geophysical Union. Section

of Volcanology. Symposium on scientific cooperation Aleutian I. 1926.

2044. BOWMAN, PAUL WILLIAM, 1897- . Pollen analysis of Kodiak bogs. (Ecology, Apr. 1934. v. 15, p. 97-100)

Contains results of analyses on peat samples from two bogs within the present forest edge, on Kodiak Island, indicating the advance from east to west of that edge.

Copy seen: DA.

2045. BOYCE, WILLIAM DICKSON, 1848-1929. Alaska and the Panama Canal. Chicago, New York, Rand, McNally, [c1914] 1 p. l., vii-ix, 163 p. front., illus., ports. Reprinted from the author's *United States colonies and dependencies*; "first printed in the *Saturday Blade*." cf. *Introd.*

Contains a résumé of the history, fur trade, mining, fisheries, farming, railroads, towns and scenery of Alaska.

Copy seen: DLC; NNSf.

2046. BOYD, LOUISE ARNER, 1887- , and others. The coast of northeast Greenland, with hydrographic studies in the Greenland Sea. The Louise A. Boyd arctic expeditions of 1937 and 1938. New York, American Geographical Society, 1948. xi, 339 p. illus., 8 maps and portfolio of 12 fold. plates (part col., incl. 7 charts). (American Geographical Society. Special publication no. 30)

In the steamship *Veslekari*, the author with scientific staff, carried out hydrographic, geologic and natural history surveys on the sea between Lofoten Islands of Norway, Jan Mayen, East Greenland and West Spitsbergen; in waters north of West Spitsbergen; in East Greenland firds and islands, about 72°-78°N.

Contents: Boyd, L. A. Narrative of the expeditions. Vessel and equipment.

FLINT, R. F. Glacial geology and geomorphology.

BRONNER, F. E. Contributions to the geology.

OOSTING, H. J. Ecological notes on the flora.

EASTWOOD, A. Botanical collections.

LEROY, J. M. Hydrographical surveys.

BUHLER, F. W. Topographical surveys.

LEROY, J. M. Photographic survey of the Orientering Islands.

U. S. COAST and GEODETIC SURVEY. Current observations. Tide observations.

LEROY, J. M. Magnetic observations.

HILFERTY, A. F. Radio report.

Each of these papers (excepting L. A. Boyd's) appears in this Bibliography under its author's name.

Charts: 1. Hydrographic surveys in Greenland Sea, scale 1:2,000,000. Depth curve interval 100 meters between 0 and 500, and 500 meters between 500 and 4500 meters depths. 2. Hydrographic surveys along the East Greenland coast: Home Foreland to Ile de France, scale 1:500,000. 3. Antarctic Harbor to Home Foreland, scale 1:500,000. 4. Hydrographic surveys around Jan Mayen Island, scale 1:500,000. 5. Bottom profiles of the Greenland Sea. 6. Route map, scale 1:400,000. 7. Detailed surveys in East Greenland: (a), Narwhal Glacier; (b) Tyroler Valley; (c) Hydrographic survey of Kjerulf Fiord; (d) Glacier fill remnants in Agassiz Valley. *Illus.:* Profusely illustrated with photographs of coasts, sea ice, and land features.

Copy seen: DLC; NNA.

2047. BOYD, LOUISE ARNER, 1887-
and others. The fiord region of East Greenland. New York, American Geographical Society, 1935. x, [2], 369 p. incl. front., illus., plates, maps, facsim. tables (1 fold.) and atlas of 14 fold. plates (incl. maps, diags.) (American Geographical Society. Special publication no. 18)

Account of an expedition organized with the assistance of the American Geographical Society, N. Y., to study glacial marginal features in the Franz Joseph and King Oscar Fiord region, and to carry on studies and mapping. It includes notes on the natural history, geography and ice conditions of the fiords and their coasts.

Contents: Boyd, L. A. Narrative, p. 1-55. Photographs, p. 57-158.

BRETZ, J. H. Physiographic studies in East Greenland.

MILLER, O. M., and W. A. WOOD. Photogrammetrical work of the expedition.

DREW, W. B. Botanical work.

HITCHCOCK, C. B. Echo sounding records.

MILLER, O. M. Tide gauge record.
Boyd, L. A. Vessel and equipment.

WRIGHT, J. K. The exploration of the fiord region (etc.)

Index. Errata and addenda mounted on fly leaf at end.

Each of the chapters (except Louise Boyd's) appears in this Bibliography under its author's name.

Copy seen: DLC.

2048. BOYD, LOUISE ARNER, 1887-
Fiords of East Greenland. A photographic reconnaissance throughout the Franz Josef and King Oscar Fiords. (Geographic review, 1932. v. 22, p. 529-61, illus., col., fold. map)

A narrative of the Louise A. Boyd Expedition, 1931, in the *Veslekari*, with descriptions of the fiords. *Appendices:* 1. Menzies, R. H. Botanical collections (etc.). 2. Method of constructing the map.
Copy seen: DLC.

2049. BOYD, LOUISE ARNER, 1887-
Further explorations in East Greenland, 1933. (Geographical review, July 1934, v. 24, p. 465-77, illus., sketch map)

Account (in brief) of the author's second expedition for photographing scenery and surveying fiords and glacial marginal features in the Franz Joseph Fiord region. A full account was published as her *The fiord region of East Greenland*, 1935, q.v.

Copy seen: DLC.

BOYÉ, MARC, *see* Malaurie, J. N., & M. Boyé. Sur le pre-Cambrien de Qaparfik. 1949.

BOYÉ, MARC, *see* Victor, P. E. & others. Rapport preliminaire Groenland 1948. 1949.

BOYE, VILHELM CHRISTIAN, 1837-1897, *see* Bruun, D., & F. B. Froda. Arkæologiske undersøgelser i Julianehaabs distrikt. 1896.

BOYE-PETERSEN, JOHS., *see* Petersen, Johannes Boye-, 1887-

BOYKOW, JOHANN M., *see* International Society for the Exploration of the Arctic Regions by Means of Aircraft. Luftschiff als Forschungsmittel. 1924.

BOYKOW, JOHANN M., *see* International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

BOYKOW, JOHANN M., *see* Mittelholzer, W. & others. By airplane towards N. Pole. 1924.

BOYKOW, JOHANN M., *see* Mittelholzer, W., & others. Im Flugzeug dem Nordpol entgegen. 1924.

2050. BOYLE, DAVID, 1842-1911. Notes on the discoverer of the Great Falls of Labrador. (Royal Canadian Institute. Transactions, 1890-91, *pub.* 1892. v. 2, p. 332-41)

Remarks on John McLean, the fur trader and explorer in Hudson's Bay Co. service, his career in Canada, particularly his (the first) overland trip across Labrador in 1838, and discovery of Grand Falls on the Hamilton River. Author's remarks are based on personal knowledge and McLean's manuscript journal "almost identical with the printed volumes *Twenty-five years' Service in the Hudson Bay Territory*," 1849, q.v. *Copy seen:* DLC.

2051. BOYLE, FRANK A., 1877-1951. A trip to Juneau; what to see in the capitol city. (Alaska magazine, Jan. 1927. v. 1, p. 35-41, illus.)

Notes on situation, history, industries and tourist attractions.

Copy seen: DLC.

2052. BRAAFLADT, O. A. Men of iron, dogs of speed. (Alaska sportsman, Dec. 1937. v. 3, no. 12, p. 14-15, 20, 22, illus.)

History of Alaska dog racing, beginning in Nome, 1906.

Copy seen: DLC.

2053. BRAARUD, TRYGVE, 1903- The "Øst" Expedition to the Denmark Strait 1929. II. The phytoplankton and its conditions of growth (including some qualitative data from the Arctic in 1930). Oslo, J. Dybwad, 1935. 173 p. (incl. 39 p. of tables) illus. (4 charts, diagrs.) (Hvalrådets skrifter. Nr. 10)

The author carried out investigations from a sealing vessel in Denmark Strait, 66°-68°N., June-Aug. 1929. He gives a detailed discussion of the factors of productivity (light, oxygen, carbon dioxide, nutrient salts, temperature, salinity, etc.) and of the observations between Norway and Iceland, and in the strait, comparisons with waters off northeastern Spitsbergen and Franz Josef Land; remarks on the Denmark Strait and Irminger currents, on the conditions of production in arctic

and Atlantic waters, and on the distribution and taxonomy of the phytoplankton population; with a bibliography.

Tables include: Distribution of plankton, oxygen and nutrient salts in Denmark Strait. Wind and cloudiness observations in Denmark Strait, June 8-20, 1929. Relative abundance and plankton content of net samples from Spitsbergen-Franz Josef Land, Aug. 1930. Data for hydrographic, oxygen, nutrient salt, and phytoplankton conditions in a section from open to close pack ice. Oxygen observations below the 75-meter level. Temperature at sea surface and air, cloudiness and wind in Denmark Strait, June 14-Aug. 19, 1929. Quantitative plankton data, temperature, salinity, density, oxygen, nitrate and phosphate, June-Aug. 1929, with notes on ice conditions in Denmark Strait. *Copy seen:* DF.

2054. BRAARUD, TRYGVE, 1903-, and JOHAN T. RUUD. The "Øst" Expedition to the Denmark Strait 1929. I. Hydrography. Oslo, J. Dybwad, 1932. 44 p. (incl. 4 p. of tables, 6 charts, diagrs.) (Hvalrådets skrifter. Nr. 4)

The authors made investigations from a sealing vessel in Denmark Strait between 66°-68°N., June-Aug. 1929. They describe here the currents, bathymetric features, hydrographic sections, character of different types of water, and the ice conditions; and comment upon their eight stations between Iceland and Norway. *Tables:* Oceanographic tables and soundings.

Copy seen: DF.

2055. BRADFORD, DONALD COM-NICK. On a study of microseisms recorded at Sitka, Alaska, during the period from January 1, 1929, to December 31, 1931, inclusive. (Seismological Society of America. Bulletin, Oct. 1935. v. 25, p. 323-42, diagrs.)

A discussion of three theories for the causes of the several types of microseisms.

Copy seen: DGS.

2056. BRADFORD, WILLIAM, 1823-1892. The arctic regions, illustrated with photographs taken on an art expedition to Greenland. By William Bradford. With descriptive narrative by the artist. London, S. Low, Marston, Low, and Searle, 1873. x, 89 p. 115 illus. (photos.) 25 photos. 350 copies were printed "by special subscription."

Account of the author's cruise in the *Panther*, summer 1869, in Davis Strait and Baffin Bay, with description of the West Greenland towns, the Eskimos, their boats, dwellings and customs, and the ice of Melville Bay; also a chapter (p. 1-5) on the early Norse voyages to Greenland, by B. F. DeCosta.

Copy seen: DLC.

2057. BRADFORD, WILLIAM, 1823-1892. Life and scenery in the far North. (American Geographical Society, N. Y. Journal, 1885. v. 17, p. 79-124)

Another account of the author's cruise in the *Panther*, summer 1869, described in his *Arctic regions*, 1873, q.v. Includes some notes on the construction of the steamship *Panther*.

Copy seen: DLC.

BRADFORD, WILLIAM, 1823-1892, *see also* Hayes, I. I. Land of desolation: personal narrative. 1872.

2058. BRADLEY, CHARLES CRANE. Geologic notes on Adak Island and the Aleutian chain, Alaska. (American journal of science, Apr. 1948. v. 246, p. 214-40, illus., 4 plates)

Results of a study made from June 1944 to Oct. 1945, when the author was stationed on Unalaska and Adak Islands as a member of the U. S. Army. Description of volcanoes, structure, raised benches, layers of ash and erosion, of Adak Island; notes on the physiography, lithology, structure, and glaciation of Mt. Moffet, Kuluk and Shagak Bay area, the older mountains of Adak, and Cape Yakak; and a sketch of the geologic history of the Aleutian chain.

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2059. BRADLEY, PHILIP R. Estimation of ore reserves and mining methods in Alaska Juneau mine. (American Institute of Mining and Metallurgical Engineers. Transactions, 1922-25, *pub.* 1925. v. 72, p. 100-118)

Detailed discussion of development of the gold properties and mining methods.

Copy seen: DGS.

BRADLEY, PHILIP R., *see also* Engineering & mining journal. Alaska Juneau enterprise. 1932.

2060. BRADY, HENRY B. Notes on Rhizopoda obtained from Captain Markham's soundings on the shores of Novaya Zemlya. (*In:* Markham, Sir

A. H. A polar reconnaissance, 1879, *pub.* 1881. Appendix F. p. 346-48)

Discussion of the mineralogy of the bottom samples from Matochkin Shar and the western coastal waters of Novaya Zemlya, with lists of Foraminifera in each sample.

Copy seen: DLC; NNSf.

BRADY, HENRY B., *see also* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

2061. BRAENDEGAARD, JENS RASMUS JENSEN, 1887-. Aeronautic spiders in the Arctic. København, C. A. Reitzel, 1938. 8 p., 1. 1. 3 illus. (Meddelelser om Grønland. Bd. 119, nr. 5)

Results of the Three-Year Expedition to Christian X's Land, 1931-34, under Lauge Koch. Discussion of occurrence of such spiders in Greenland, their forward or backward takeoff, and their "flight" as a significant factor in dispersal; bibliography (20 items).

Copy seen: DSI-M.

2062. BRAENDEGAARD, JENS RASMUS JENSEN, 1887-. *and others.* Insects and arachnids. København, C. A. Reitzel, 1935. 18 p. (Meddelelser om Grønland. Bd. 104, nr. 16)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land, collections made mainly on Blossville Coast, 68°55'-69°22'N. *Contents:* 1. Henriksen, K. L. Insects (exclusive of Diptera) and Acarina. (Twenty-four species: beetles, humble bees, caddis fly, butterflies and moths, bug, and scale insect). 2. Spärck, R. Diptera. (Eighteen species). 3. Braendegaard, J. Araneae. (Six species of spiders). Bibliographies (23 items in all).

Copy seen: DSI-M; DGS.

2063. BRAENDEGAARD, JENS RASMUS JENSEN, 1887-. Preliminary statement of the synonymy of certain Greenland spiders. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1934. Bd. 98, p. 47-48)

Towards corrections in synonymy of twelve species, made possible by the material resulting from three different Danish expeditions to East Greenland.

Copy seen: DSI-M.

2064. BRAENDEGAARD, JENS RASMUS JENSEN, 1887-. Revisal of spiders from Ellesmereland collected

by the Second Arctic Expedition of the "Fram." (Norsk entomologisk tidsskrift, 1936. Bd. 4, p. 128-30)

Revision of Dr. Strand's determinations of eight spiders (published as his *Coleoptera* . . . *Araneae*, 1905, q.v., in the expedition's report). The revision was occasioned by Braendegaard's detailed research on arachnids from the east coast of Greenland.

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2065. BRAENDEGAARD, JENS RASMUS JENSEN, 1887- . I. Spiders (Araneina) from northeast Greenland between lats. 70°25' and 76°50'N. II. On the possibility of a reliable determination of species of the females of the genus *Erigone*. København, C. A. Reitzel, 1940. 29, [2] p. illus. (Meddelelser om Grønland. Bd. 125, nr. 8)

The material for this list was collected for the most part, on the Three-Year Expedition, 1931-34; it includes a few finds from earlier expeditions, and seven species from the *Danmark* Expedition, 1906-1908, only three of which had been recorded previously. The list of sixteen species includes all records for East Greenland. The material was sufficiently extensive to make possible a more certain determination of the females, dealt with in pt. 2. Bibliography (32 items).

Copy seen: DSI-M.

2066. BRAENDEGAARD, JENS RASMUS JENSEN, 1887- . Spiders (Araneina) from southeast Greenland. København, C. A. Reitzel, 1937. 14 p. 1 l. 9 illus. (Meddelelser om Grønland. Bd. 108, nr. 4)

Results of 6th and 7th Thule Expeditions to southeast Greenland, 1931-33. A classified list, with localities, of twenty-five species of spiders, of which five are new to Greenland, thirteen new to East Greenland, includes one new subspecies; bibliography (12 items). Additions to this list appeared as the author's *Supplementary list to "Spiders . . . from southeast Greenland"*, 1939, q.v.

Copy seen: DGS; DSI-M.

2067. BRAENDEGAARD, JENS RASMUS JENSEN, 1887- . I. Supplementary list to "Spiders (Araneina) from southeast Greenland." II. *Arctosa alpigena* Dol. og *Arctosa insignita* Th. (Fam. Lycosidae). København, C. A. Reitzel, 1939. 11 p. 5 illus. (Meddelelser om Grønland. Bd. 108, nr. 7)

Results of the 6th and 7th Thule Expeditions to southeast Greenland, 1931-33. Author notes four additional species, with localities, to the list published in 1937; and gives characterization, synonyms, distribution, and climatic-ecologic relations of the two spiders *Arctosa alpigena* and *A. insignita*.

Copy seen: DGS; DSI-M.

2068. BRAENDEGAARD, JENS RASMUS JENSEN, 1887- . The zoology of East Greenland. Araneina. København, C. A. Reitzel, 1946. 128 p. illus., maps. (Meddelelser om Grønland. Bd. 121, nr. 15) Also issued as a thesis, Copenhagen, 1946, "The spiders (Araneina) of East Greenland; a faunistic and zoogeographical investigation."

Based on the spider collection of the Copenhagen Zoological Museum and the published literature on East Greenland, this paper comprises a summary of known species and discussion of systematic, biological, and zoogeographic problems. Author gives a systematic synopsis of thirty-nine species, with synonyms, all East Greenland records, and distribution; notes on life-cycles, ecologic relationships and immigration of species; with a bibliography (123 items). Résumé in Danish, p. 124-28.

Copy seen: DGS; DSI-M.

2069. BRAESTRUP, FRITZ WIMPFEN, 1906- . Om svvingninger i antallet af ræve og andre dyr i Arktis. (Grønlandske selskab. Aarskrift, 1942. p. 129-51, diagrs.) *Title tr.:* Fluctuations in the number of foxes and other animals in the Arctic.

Notes hypothetical causes of the periodic disappearance of certain arctic mammals, birds' and fish from their habitats: migration, meteorological and climatic changes due to sun spots, and other influences; relation between appearance of lemmings in mass numbers and the arctic fox; the influence of the presence of lemmings and other animals in great numbers on the propagation of the arctic fox, etc.

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2070. BRAESTRUP, FRITZ WIMPFEN, 1906- . A study on the arctic fox in Greenland, immigrations, fluctuations in numbers, based mainly on trading statistics. København, C. A. Reitzel, 1941. 101, [1] p. incl. 6 illus. (maps) tables. fold. plate (diagrs.) (Meddelelser om Grønland. Bd. 131, nr.

4) Also issued as a thesis, Copenhagen, 1941.

Ecologic differentiation seems to exist between "lemming foxes", and those which live where rodents are not found, or "coast foxes". When lemmings are scarce, foxes migrate. Such migrating foxes arrive in West Greenland in considerable numbers from Canada and far northern Greenland, by Baffin Bay pack ice, and via Thule District, probably also from northeastern Greenland by the East Greenland pack ice. A disease ("mad" fox) which is transmissible to dogs, is brought to Greenland by migrating foxes. Chap. 1, is a summarized compilation of literature on fluctuations in numbers of lemmings and foxes. Chap. 2 discusses the extent of migrations of foxes during lemming scarcity and the precise years (as known) of fox maxima in Canada; also the means of subsistence of foxes on drift ice. In later chapters other food of foxes is discussed.

Table: total number and percentage of white foxes, 1793-1939, from twelve localities in West and North Greenland.

Copy seen: DSI-M.

BRAESTRUP, FRITZ WIMPFEN, 1906- . see also Ditzel, M., & F. W. Braestrup. Geographical variation of the Greenland hares. 1934.

BRAGIN, DMITRI, see Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

BRAGIN, DMITRI, see Pallas, P. S. Neue nordische Beyträge. 1781-96.

BRAIN, GLADYS, see Horner, M., & G. Brain. First into Katmai. 1947.

2071. BRAINARD, DAVID LEGGE, 1856- . The outpost of the lost; an arctic adventure by David L. Brainard . . . edited by Bessie Rowland James; with salutation by A. W. Greely . . . Indianapolis, Bobbs-Merrill Co. [c1929] 317 p. maps on lining-papers.

Record of the U. S. Lady Franklin Bay Expedition, 1881-84, under Greely, mainly excerpts from Brainard's diary Aug. 1883-June 1884, of the party's retreat southward from Lady Franklin Bay to Smith Sound and the wait at Cape Sabine for relief ships.

Copy seen: DLC; NNS Stef.

2072. BRAINARD, DAVID LEGGE, 1856- . Report on a petrified forest

discovered May 20, 1883, near Cape Baird, 81°30'N., 64°30'W. (In: Greely, A. W. Three years of arctic service, 1886, v. 2, p. 419-20)

Note on fossil wood from Ellesmere Island, found during the U. S. Lady Franklin Bay Expedition, 1881-84.

Copy seen: DLC; NNS Stef.

2073. BRAINARD, DAVID LEGGE, 1856- . Six came back; the arctic adventure of David L. Brainard, edited by Bessie Rowland James. Indianapolis, New York, Bobbs-Merrill Co. [c1940] 305 p. incl. front. (ports.) 11 plates, ports., map on lining-papers.

Author's diary, July 7, 1881-June 21, 1884, of his participation in the U. S. Lady Franklin Bay Expedition under Greely, and its disastrous retreat over the ice of Kennedy Channel and Kane Basin, to Cape Sabine in Smith Sound. The last four chapters were published as *The outpost of the lost*, 1929, q.v. Copy seen: DLC; NNS Stef.

2074. BRAITHWAITE, JOHN, 1797-1870. Supplement to Captain Sir John Ross's Narrative of a second voyage in the Victory, in search of a Northwest Passage containing the suppressed facts necessary to a proper understanding of the causes of the failure of the steam machinery of the Victory, and a just appreciation of Captain Sir John Ross's character as an officer and a man of science. London, Chapman and Hall, 1835. 1 p. l., ii, 18 p. 28½ x 22½ cm.

Reply to Ross' criticism, by one of the two patentees (Braithwaite and Ericsson) of the boilers used on board the Victory, on Ross' second voyage 1829-33. The reply dated (in preface) London, 1st October, 1835, is a point-by-point refutation of Ross' charges, and an outline (with remarks) of Ross' instructions for the reconstruction of the vessel for his voyage.

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2075. BRAITHWAITE, JOHN, 1797-1870. Supplement to Captain Sir John Ross's Narrative of a second voyage in the Victory, in search of a northwest passage, containing the suppressed facts necessary to a proper understanding of the causes of the failure of the steam machinery of the Victory, and a just appreciation of Captain Sir John Ross's character as an officer and a man of science. London, Printed by H. Silverlock, 1849. 1 p. l., ii, 26 p.

Contains Braithwaite's paper (1 p. l., ii, 15 p.) and Ross' reply *Explanation and answer to Mr. John Braithwaite* [etc.] (p. 17-26) reprinted from the 1835 edition.

Copy seen: DLC.

2076. BRAMBLE, CHARLES A. Klondike; a manual for goldseekers. New York, R. F. Fenno & Co. [1897] 3 p. l., [5]-313 p. 11 plates, fold. map.

Information, prepared by a former crown lands surveyor for Dominion of Canada, on the nature of the country (with tables of distances), on the Klondike Trail, miners' life, gold occurrence (in general), mining methods, prospecting, climate, outfit, Royal Canadian Mounted Police, mining laws, customs and regulations, and diseases.

Copy seen: DLC; NNSStef (map lacking).

2077. BRAMHALL, ERVIN HICKS, 1905-. The central Alaska earthquake of July 22, 1937. (Seismological Society of America. Bulletin, Jan. 1938. v. 28, p. 71-75)

Discussion of a shock with epicenter at Salcha, and a large number of subsequent shocks over a period of several months.

Copy seen: DGS.

BRAMHALL, ERVIN HICKS, 1905-, see also Fuller, V. R., & E. H. Bramhall. Auroral research Univ. Alaska 1930-34. 1937.

2078. BRAND, V. Ů., and G. F. SMIRNOV. Proekt obogatitel'noi fabriki dñ khibinskikh apatitov i proverka ego ispytaniñmi i konsul'tatšieñ v Amerike. (In: Khibinskije apatity, 1932. T. 2, p. 170-81, illus., tables) *Title tr.:* Project for a plant for Khibina apatite concentration, testing the project, and consultations in America.

Discussion on selection of methods of ore concentration for the plant under construction in 1930, at Khibinogorsk (i.e. Kivorsk) by Lake Bol'shoy Vud'-yavr on Kola Peninsula.

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2079. BRAND, WALTHER, 1880-. Stündliche Werte des Luftdrucks und der Temperatur am Danmarks-Havn. 1912. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 2, nr. 5. (Meddelelser om Grønland, 1914. Bd. 42, p. 357-445 incl. tables, diagrs.) Also issued in part as the author's inaugural dissertation, Marburg, 1912.

Title tr.: Hourly values for pressure and temperature at Danmarks Havn.

Contains tables of hourly readings, Aug. 17, 1906 to July 20, 1908, taken at the winter station on Germania Land, East Greenland, 76°46'N. 18°45'W., and discussion of annual and daily variations, days of ice and frost, interdiurnal and average hourly variations.

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2080. BRAND, WALTHER, 1880-. Die Temperatur in der Ausguckstonne am Grossmast der Danmark; Messungen mit dem Schwarzkugelthermometer. 1912. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 2, nr. 7. (Meddelelser om Grønland, 1914. Bd. 42, p. 563-92, incl. tables, diagrs.) *Title tr.:* The temperature in the crow's nest on the main mast of the Danmark; measurements with a blackbulb thermometer.

In order to provide data on the temperature inversions in the lowest layer of air, during one twenty-four hour period of each month at Danmarks Havn, observations were taken every two hours at a height of thirty meters (crow's nest), also at the surface of the ice, Oct. 1906-Feb. 1908, Apr.-June, 1908. The results are presented here as tabular and graphical data with full discussion.

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2081. BRAND, WALTHER, 1880-, and A. L. WEGENER. Meteorologische Beobachtungen der Station Pustervig. 1912. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 2, nr. 6. (Meddelelser om Grønland, 1914. Bd. 42, p. 447-562 incl. illus., tables, diagrs. 2 maps (1 fold.)) *Title tr.:* Meteorological observations at the Pustervig station.

This station lay west of Danmarks Havn, closer to the icecap, in Puster valley at about 76°55'40"N. 21°06'W. and supplied observations for comparison with those of the winter station. Authors present here tables of observations, Nov. 1907-May 1908 (all elements, three times daily) hourly pressure and temperature; a weather journal indicating clouds, snow, optical phenomena, etc.; temperature data at four places, 153 to 423 meters altitude, on a nearby mountain; description of halos, and of an acoustical phenomenon in Dove Bay; with discussion throughout.

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2082. BRANDAL, ADOLF. Dagbok ført av Adolf Brandal under en overvintring på Østgrønland 1908-1909. Oslo, J. Dybwad, 1930. 73, [2] p. map (Norway. Norges Svalbard- og Ishavsundersøkelser. Meddelelse nr. 10) *Title tr.*: Journal kept by Adolf Brandal during a wintering on East Greenland, 1908-1909.

Following a foreword signed by Adolf Hoel is an account of the hunting and fishing, June 18, 1908-Aug. 27, 1909, of a sealing and walrus-hunting party which was caught in the ice between 74°-75°N. off the east coast of Greenland. (Clavering to Pendulum Islands region). *Copy seen*: NNA.

2083. BRANDT, ALEKSANDR FEDOROVICH, 1844-. Über die Haut der nordischen Seekuh (*Rhytina borealis* Illig). St.-Petersbourg, 1871. 1 p. l., 27, [1] p. fold. plate. (Akademiā nauk SSSR. Mémoires. Sér 7, t. 17, no. 7) *Title tr.*: On the hide of the northern sea cow.

Contains a quotation from Steller's description in Latin, and further details from a small museum specimen of the skin; description of a parasitic amphipod (whale louse) found on the skin; and a discussion of uses made of the hides, by Kamchatkan and Commander Islands hunters in the early days. *Copy seen*: DSI.

2084. BRANDT, BERNHARD, 1881-. Über Kryokonite in der Magdalenenbucht in Spitzbergen. (Zeitschrift für Gletscherkunde, 1931. Bd. 19, p. 125-26) *Title tr.*: On cryoconite in Magdalena Bay, Spitsbergen.

Description, with measurements, of the cryoconite cavities in the glacier ice of the bay region, observed in the summers of 1929 and 1930. *Copy seen*: DGS.

BRANDT, F., see Brandt, Johann Friedrich von, 1802-1879.

2085. BRANDT, HERBERT. Alaska bird trails; adventures of an expedition by dog sled to the delta of the Yukon River at Hooper Bay, by Herbert Brandt . . . Illustrated with paintings by Major Allan Brooks and Edward R. Kalmbach, with photographs by Frank Dufresne, Olaus J. Murie, and the author, and with pen sketches by C. G. Mitchell, J. R. Moodey, and L. B. Towle. Cleveland, O., The Bird Research Foun-

dation, 1943. 2 p. l., xviii, 464 p., illus., 40 plates (part col.) map (end papers).

Account of the Hooper Bay Expedition, 1924, arranged cooperatively between the U. S. Biological Survey and the Bird Research Foundation. Narrative of the journey from Fairbanks to Bering Sea, the sojourn at Hooper Bay, the ornithological research carried on through the spring and summer. Includes a description for the general reader (using common names, only) of the migration and habits of the birds and other wild life. *Appendix*: annotated list, with scientific, common, and Eskimo names, of one hundred twenty-eight species of birds, collected and observed. *Copy seen*: DSI-M.

2086. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Beiträge zur Naturgeschichte des Elens in Bezug auf seine morphologischen und paläontologischen Verhältnisse, so wie seine geographische Verbreitung, nebst Bemerkungen über die Miocene Flora und Insectenfauna des Hochnordens. St.-Petersbourg, 1870. iv, 84 p. illus., 3 plates (2 fold.) (Akademiā nauk SSSR; Mémoires. 7e sér., t. 16, no. 5) *Title tr.*: Contributions to the natural history of the elk, especially its morphology and paleontology, as well as its geographic distribution with remarks on the Miocene flora and insect fauna of the far North.

A comprehensive study based on published literature and on museum work, that includes a discussion of the fossil flora and beetles which occurred in arctic regions during the same geologic period. *Copy seen*: DGS.

2086A. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Conspectus monographiae Crustaceorum Oniscodorum Latreillii. (Moskovskoe obshchestvo ispytatelei prirody. Büllen', 1833. T. 6, p. 171-93, plate 4) *Title tr.*: Conspectus of a monograph of Crustacea *Oniscoda* Latreille.

Contains a conspectus of the crustacean group *Oniscoda* with an enumeration of seventy-four species (forty-eight new) from various regions; includes a Latin description of the terrestrial isopod *Ligia Pallasi*, n. sp. native to Unalaska, Aleutian Islands. *Copy seen*: MH-A.

2087. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Ergänzende Mit-

theilungen zur Erläuterung der ehemaligen Verbreitung und Vertilgung der Steller'schen Seekuh. (Akademiā nauk SSSR. Bulletin, 1867. Sér. 3, t. 11 p. 445-51) **Title tr.:** Supplementary communication on the explanation of the early distribution and extinction of Steller's sea cow.

Review of literature on the distribution of *Rhytina* and remarks on the natural conditions of the Commander Islands, its chief center.

Copy seen: DLC.

2088. BRANDT, JOHANN FRIEDRICH von, 1802-1879, and others. Instructions données à M. le docteur de Middendorff, pour son voyage en Sibirie. (Akademiā nauk SSSR. Bulletin, 1843. Sér. 2, t. 1, p. 177-92, 204-208) **Other authors:** E. Lenz, C. Meyer, K. E. von Baer. **Title tr.:** Instructions given to Doctor Middendorff for his trip into Siberia.

The Imperial Academy of Sciences, St. Petersburg, issued general instructions for Middendorff to explore the region between Turukhansk and Khatanga and report on its physical geography, ethnography and natural history, and to travel eastward to Okhotsk for similar investigations. This paper contains instructions for the research to be made on ground temperature, topography, botany and zoology.

Copy seen: DLC.

2089. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Krebse. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1851. Bd. 2, Theil 1, p. 77-148, 2 plates) **Title tr.:** Crustaceans.

A full discussion of taxonomic relationships, morphology and distribution of crabs, shrimps, mysids, amphipods, and isopods of northern seas, with notes and descriptions of the Okhotsk Sea species collected by Middendorff. For additional comment on the subject of this paper, see the author's preliminary report in Akademiā nauk SSSR, Bulletin 1850, ser. 2, t. 8, p. 234-38.

Copy seen: DSL-M.

2090. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Nachträgliche Bemerkungen über den mikroskopischen Bau der Kauplatte der Rhytina. (Akademiā nauk SSSR. Bulletin, 1847. Sér.

2, t. 5, p. 92-94) **Title tr.:** Supplementary remarks on the microscopic structure of the chewing plates of *Rhytina*.

Note on the need for further study of the anatomy of Steller's sea cow.

Copy seen: DLC.

2091. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Ueber den gleichzeitig mit der Ausrottung der Pflegemutter bewerkstelligten geschichtlich nachweisbaren Untergang einer kleinen parasitischen Krebsart (*Cyamus?* oder richtiger vielleicht *Sirenocyamus?* Rhytinae) und eines Eingeweidewurmes der Jetztwelt. (Akademiā nauk SSSR. Bulletin, 1847. Sér. 2, t. 5, p. 189-92). **Title tr.:** On the disappearance of a small, parasitic crustacean (*Cyamus?* or perhaps more correctly *Sirenocyamus Rhytinae*) simultaneously with the extinction of its host, and of an intestinal worm of the present.

Discussion of two parasites of Steller's sea cow, and the certainty of the extinction of the "louse" (amphipod), but the uncertainty surrounding our specific knowledge of the internal parasite.

Copy seen: DLC.

2092. BRANDT, JOHANN FRIEDRICH von, 1802-1879. Über den Zahnbau der Stellerschen Seekuh (*Rytina stelleri*) nebst Bemerkungen zur Charakteristik der in zwei Unterfamilien zu zerfallenden Familie der Pflanzenfressenden Cetaceen. (Akademiā nauk SSSR. Memoirs, 1833. Ser. 6, Sciences mathématiques, physiques et naturelles. T. 2, p. 103-118, fold. plate) **Title tr.:** On the teeth of Steller's sea cow (*Rytina stelleri*) with some remarks on the characteristics in two sub-families of the extinct family of herbivorous cetaceans.

Copy seen: DSL.

2093. BRANDT, JOHANN FRIEDRICH von, 1802-1879, and A. E. GRUBE. Echinodermen. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1851. Bd. 2, Theil 1, p. 25-42, plate) **Title tr.:** Echinoderms.

Contents tr.: Brandt, J. F. Remarks on the Asterids and Echinids of Okhotsk, Kamchatka and Bering Seas. (Descriptions of two new starfish from Okhotsk Sea.) For additional notes on this group, see the author's preliminary notice in Akademiā nauk SSSR, Bulletin, 1850, ser. 2, t. 8, p. 302). Grube,

A. E. on *Chiridota discolor* Eschsch. (Full description and taxonomic discussion of a sea cucumber from Okhotsk Sea).
Copy seen: DSI-M.

BRANDT, JOHANN FRIEDRICH von, 1802-1879, *see also* Stejneger, L. H., & F. A. Lucas. Contributions to history of Pallas' cormorant. 1890.

2094. BRANDT, KARL ANDREAS HEINRICH, 1854-. Die Tintinnen. (Zoologische Ergebnisse der von der Gesellschaft für Erdkunde zu Berlin . . . Grönlandexpedition, IV. Pub. as: Zoologica, 1896. Heft 20, p. 45-72, plate) **Title tr.:** The Tintinnidae. (Zoological results of the Geographical Society of Berlin Greenland Expedition, IV)

Contains discussion of the morphology of northern tintinnids; a list, with extensive discussion, of thirteen (including three new) species; and a section on their distribution in Davis Strait, Karajak and Umanak Fiords, as well as other regions of the world.
Copy seen: DLC.

2095. BRANDTNER, PAUL. Ergebnisse einer von E. Reisinger & O. Steinböck mit Hilfe des Rask-Ørsted Fonds durchgeführten zoologischen Reise in Grönland 1926. 5. Plagiostomidae. (Dansk naturhistorisk forening, København. Videnskabelige meddelelser. 1934. Bd. 97, p. 87-150, illus., 4 plates) **Title tr.:** Results of a Zoological Expedition to Greenland, by E. Reisinger and O. Steinböck, 1926, with the aid of the Rask-Ørsted Fund. 5. Plagiostomidae.

Contains (p. 88-133) a detailed anatomical study of these turbellarian flatworms, and (p. 134-146) descriptions of thirteen (including eleven new) species from Davis Strait, also a bibliography (34 items).

Copy seen: DSI-M.

BRANED (or Braner), JOHN W., *see* U. S. Congress. Senate. Committee on Military Affairs. Situation in Alaska. 1897.

2096. BRANHAM, BUD. Bombs with white feathers. (Alaska sportsman, Dec. 1941. v. 7, no. 12, p. 12-13, 24-26, illus.)

Discussion of ptarmigan and description of hunting them, during February, in Alaska.

Copy seen: DLC.

BRANNOCK, W. W., *see* Byers, F. M., & W. W. Brannock. Volcanic activity Umnak & Sitkin I. 1949.

2097. BRANT, ANNA. Nomads of the North. (Alaska sportsman, June 1936. v. 2, no. 6, p. 8, 19-20, illus.)

General account of the caribou migrations and habits in Alaska.

Copy seen: DLC.

BRANTH, J. S. D., *see* Deichmann Branth, Jacob Severin, 1831-1917.

BRASLAVSKII, N., *see* Matšeevskii, I. U. K. Na dreifušuschei l'dine. 1938.

2098. BRATTSTRÖM, HANS OLOF, 1908-. On the genus *Ulophysema* Brattström with description of a new species from East Greenland. København, C. A. Reitzel, 1937. 22, [2] p. 7 illus. (incl. sketch map) plate. Meddelelser om Grönland. Bd. 118, nr. 7)

On a parasitic barnacle *Ulophysema pourtalesiae* n. sp. From the delicate deep-water sea-urchin *Pourtalesia jeffreysi*, most recently discovered in Franz Joseph Fjord by the Three-Year Expedition to East Greenland 1931-34. This study concerns species collected by seven different expeditions in northern waters, 1876-1934. Bibliography (13 items).
Copy seen: DSI-M.

2099. BRAUER, AUGUST, 1862-1917. Die arktische Subregion. Ein Beitrag zur geographischen Verbreitung der Thiere. (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1888. Bd. 3, p. 189-308) **Title tr.:** The subarctic region. Contribution to the geographic distribution of animals.

Study of the distribution of seven animals, with southern limit of occurrence at 70°N.; the musk ox, variable hare, two species of lemmings, polar bear, wolverine, arctic fox, and wolf.

Copy seen: DSI-M.

BRAUER, AUGUST, 1863-1917, *see also* Fauna arctica. 1900-33.

BRAUER, O. L., *see* Williams, L. J., & O. L. Brauer. Copper R. Railroad. 1949.

2100. BRAUN, G., and O. KORFES. Finnisch-Lappland und Petsamo; Reiseberichte und Studien. Greifswald, L. Bamberg, 1925. 30 p. 5 plates, fold. map (Greifswald. Universität. Institut für Finnlandkunde. Berichte. Nr. 5) **Title tr.:** Finnish Lapland and Petsamo; accounts of journeys and studies.

Contents tr.: 1. The Lapland journeys of the Institute for the Study of Finland, Aug. 1922, and July 1924. (Brief note). 2. Braun, G. Geography and economy of Finnish Lapland: boundaries, iron ores, gold, commerce, vegetation, climate, Lapps and Finns, economy, reindeer breeding, and trade. 3. Korfes, O. Petsamo region. (Brief sketch of economic geography and history) 4. Korfes, O. Traces of German troops in Lapland. 5. Explanation of map showing settlements. (Railroads, roads, forest zones).

Copy seen: NNA.

2101. BRAVAIS, AUGUSTE, 1811-1863. Sur les lignes d'ancien niveau de la mer dans le Finmark. (*In*: Martins, C. F., and others. Voyages de la Commission du Nord, en Scandinavie, en Laponie, au Spitzberg, et aux Ferøe, pendant les années 1838, 1839 et 1840, sur la corvette la Recherche . . . Géographie physique (etc.) 1844. Div. 6, t. 1, pte. 1, p. 57-137, incl. tables. Map in *Atlas de physique*) *Title tr.*: On old shore lines in Finnmark.

Study based on investigations in the Alten Fiord region of northern Norway, carried out during the Scientific Commission of the North *Recherche* expeditions. Contains description of main lines of ancient sea level between Kaa Fiord and Hammerfest; other shore lines; and a discussion of the observations which supply hypotheses concerning their formation.

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2102. BRAVAIS, AUGUSTE, 1811-1863, and C. F. MARTINS. Recherches sur la croissance du pin sylvestre, du chêne et du frêne dans la nord de l'Europe. (*In*: Martins, C. F., and others. Voyages de la Commission scientifique du Nord en Scandinavie, en Laponie, au Spitzberg et aux Ferøe, pendant les années 1838, 1839 et 1840, sur la corvette la Recherche. Géographie physique (etc.), 1846. Div. 6, t. 2, pte. 1, p. 1-97, incl. tables) *Title tr.*: Research on the growth of pine (*Pinus silvestris*), oak and ash in northern Europe.

Results of observations made during the voyages of the *Recherche*, 1838-39. Includes a detailed report on growth of *Pinus silvestris* as known throughout Europe and with special notice of the high latitude it attains in Norway

(to 70°N.); a description of distribution and limits of growth of trees along the Scandinavian coasts; and a table of measurements of *Pinus silvestris* at Kaa Fiord (69°57'N. 23°15'E.)

Copy seen: DLC.

2103. BRAVAIS, AUGUSTE, 1811-1863, and C. F. MARTINS. Voyage en Laponie, de la mer glaciale au Golfe de Bothnie. (*In*: Martins, C. F., and others. Voyages de la Commission scientifique du Nord, en Scandinavie, en Laponie, au Spitzberg et aux Ferøe, pendant les années 1838, 1839 et 1840, sur la corvette la Recherche. Géographie physique (etc.) 1846. Div. 6, t. 2, pte. 1, p. 98-143) *Title tr.*: Trip in Lapland, from the Arctic Ocean to the Gulf of Bothnia.

Account of the author's journey during the fall of 1839 from Bossekop southward, through Swedish Lapland. Includes lists of plants and tables of altitudes along the route; and a note concerning a trip of P. S. Siljeström to the village of Karajok where he observed tree limits, altitudes and character of the country. *Copy seen*: DLC.

2104. BRAVAIS, AUGUSTE, 1811-1863, and V. C. LOTTIN. Sur les températures de la mer. (*In*: Lottin, V. C., and others. Voyages de la Commission scientifique du Nord en Scandinavie (etc.) 1838, 1839 et 1840, sur . . . la Recherche. Astronomie et hydrographie, [18-?] p. 407-36. Chart in *Atlas de physique*) *Title tr.*: Sea water temperatures.

Discussion (mainly) of surface and deep water temperatures with a few data from scattered summer stations on high seas and winter observations on Norwegian inland waters. Data for diurnal variation of sea surface temperatures appear in Lottin, V. C., and others. Voyages de la Commission Scientifique . . . 1838-40 . . . Météorologie, 1844- . . v. 1, p. 178-82, q.v. Tables show sea misting at Bossekop, Oct. 1838-April 1839. *Copy seen*: DLC.

BRAVAIS, AUGUSTE, 1811-1863, see also Lottin, V. C., & others. Sondages et courants mer du Nord. 1842.

BRAVAIS, AUGUSTE, 1811-1863, see also Lottin, V. C., & others. Voyages 1838-40 *Recherche*. Astronomie. 1842.

BRAVAIS, AUGUSTE, 1811-1863, see also Lottin, V. C., & others. Voyages

1838-40 *Recherche. Aurores boréales.* 1845-46.

BRAVAIS, AUGUSTE, 1811-1863, see also Lottin, V. C., & others. Voyages 1838-40 *Recherche. Magnétisme terrestre.* 1843-?

BRAVAIS, AUGUSTE, 1811-1863, see also Lottin, V. C., & others. Voyages 1838-40 *Recherche. Météorologie.* 1844-?

2105. BRAY, REYNOLD JOCELYN ONSLOW, 1911-1938. Notes on the birds of Southampton Island, Baffin Island and Melville Peninsula (with comments by T. H. Manning). (Auk, Oct. 1943. v. 60, p. 504-536, sketch map)

A summary of Bray's ornithological work while a member of the British Canadian Arctic Expedition, May 1936-Sept. 1937, published posthumously and unchanged except for minor editorial corrections. Full field notes on sixty-five species, and a bibliography (15 items). *Copy seen:* DSI-M.

2106. BRAZHNIKOV, V. Materialy po faunie russkikh vostochnykh morei, sobrannye shkhunoŭ *Storozh* v 1899-1902 gg. St.-Petersbourg, 1907. [4], 185 p. illus., 2 plates, 1 sketch map. (Akademiĭa nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique, vol. 20, no. 6) *Title tr.:* Materials on the fauna of the eastern Russian seas, collected by the schooner *Storozh* in 1899-1902.

A systematic annotated list of Crustacea and Decapoda, with synonyms, references and localities; of the forty-three species, sixteen were taken off the southeastern coast of Kamchatka, the area covered including Sakhalin waters and the southeastern part of the Sea of Okhotsk. Also a simple list of sixty-four species of fishes without any indication of locality.

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2107. BREDDIN, GUSTAV. Die Hemipteren und Siphunculaten des arktischen Gebietes. (*In:* Fauna arctica, 1902. Bd. 2, p. 529-60, table) *Title tr.:* Hemiptera and Siphunculata of arctic regions.

Contains lists, with synonymy, references, and distribution of thirty-eight species of true bugs, lice and aphids in circumpolar lands. Includes discussion of their zoogeography, some notes on

morphology, habitats, etc., and a bibliography (84 items).

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BREDSORFF, JACOB HORNE-MANN, 1790-1841, see Grönlands historiske mindesmaerker. 1838-45.

2108. BREEDMAN, CLARENCE. The Eskimo festival at Bethel. (Alaska life, July 1942, v. 5, no. 7, p. 9)

Description of a "kazhim" dance and festival of the West Alaska Eskimos at Bethel on the Kuskokwim River.

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2109. BREESE, ALEXANDER. What is going on in the Russian Arctic? (American Meteorological Society. Bulletin, Sept. 1940. v. 21, p. 291)

Brief résumé of developments in meteorological research in U.S.S.R. during 1939.

Copy seen: DLC.

2110. BREHM, ALFRED EDMUND, 1829-1884. From North Pole to Equator: studies of wild life and scenes in many lands, by the naturalist-traveller Alfred Edmund Brehm . . . Tr. from the German by Margaret R. Thompson. Ed. by J. Arthur Thompson . . . With eighty-three illustrations from original drawings. London, Glasgow and Dublin, Blackie & Son, Ltd., 1896. xxxi, [33]-592 p. incl. illus., plates. front. (port.)

Translation of his, *Vom Nordpol zum Aequator*, 1890, q.v.

Copy seen: DLC; NNS Stef.

2111. BREHM, ALFRED EDMUND, 1829-1884. Vom Nordpol zum Aequator; populäre Vorträge, von Dr. A. E. Brehm, mit Illustrationen von R. Friese, G. Mützel, Albert Richter, Fr. Specht u.a. Stuttgart, Berlin [etc.] Union deutsche Verlagsgesellschaft [1890] vi p., 1 l., 471 p. front. (port.) illus., plates. *Title tr.:* From the North Pole to the Equator; popular lectures. Translation in English was published in 1896.

Contents include chapters on the water birds of northern Scandinavia, the tundra, its plant and animal life, and the Ostyaks. *Copy seen:* DLC.

BREHM, ALFRED EDMUND, 1829-1884, see also Finsch, O. Reise nach West-Sibirien, 1876. 1879.

2112. BREHM, VINCENZ, 1879- Entomotraken aus Spitzbergen, gesammelt von Dr. A. Koch. (Archiv für Hy-

drobiologie und Planktonkunde, 1917. Bd. 11, p. 609-623, sketch map) *Title tr.*: Entomostraca from Spitsbergen collected by Dr. A. Koch.

Dr. Albert Koch (states the Foreword) made a zoological trip to Bear and Edge Islands and West Spitsbergen, May-Sept. 1914. This paper contains his field notes on the small lakes of West Spitsbergen and Edge Island where collections were made; mention of ten species collected and extensive notes on taxonomy, morphology and distribution of two of the species.

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2113. BREHM, VINCENZ, 1879-. Die Entomostraken der Danmark-Expedition. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 5. (Meddelelser om Grønland, 1912. Bd. 45, p. 303-317, plates XVIII-XIX) *Title tr.*: The Entomostraca of the Danmark Expedition.

Contains a list, with localities, descriptive notes, and field notes, of one phyllopod, four cladocerans, seven (including, with description, one new) copepods, and two (one new) ostracods, from marine and fresh-water localities around Danmark Havn (76°46'N. 18°-45'W.), in Dove Bay and Germania Land, East Greenland.

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2114. BREIEN, KAREN. Die Verbreitung der *Urticularia*-Arten in Norwegen. (Nytt magasin for naturvidenskapene, 1933. Bd. 73, p. 273-301, illus. text maps) *Title tr.*: Distribution of *Urticularia* species in Norway.

Contains a revision of the distribution of five species of the herbaceous genus *Urticularia* in Norway based on herbarium material of Norwegian botanical institutions, with detailed lists of localities for each species and text maps.

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2115. BREITFUS, LEONID L'VOVICH, 1864-1950. Die arctische Kalkschwammfauna. (Archiv für Naturgeschichte, 1898. Jahrg. 64, Bd. 1, p. 277-316) *Title tr.*: Arctic calcareous sponges.

Also published separately (2 p. l., 40 p.) as Breitfus' inaugural dissertation, University of Zürich.

Contains remarks on life zones in arctic seas, an historical summary of sponge literature, a chapter on the distribution of forty-three species (with their vertical distribution) in the coast-

al waters of Greenland, Greenland Sea, Barents, White, Kara, and other polar seas. Includes a summary of their taxonomy, with a catalog showing synonyms, geographic and vertical distribution, a key to the species. Bibliography (131 items). *Copy seen:* DSI-M.

2116. BREITFUS, LEONID L'VOVICH, 1864-1950. Arkticheskaia oblast' ee priroda, zadachi i tseli izucheniia. Leningrad, Izd-vo "Aeroarktik," 1928. 60 p., illus., table, maps (incl. 1 fold.) *Title tr.*: The Arctic region, its nature, problems, and aims in its study.

General description of the region, reasons for its investigation, historical sketch of methods of exploration. The airship as the best means for exploration and systematic survey of the region. Discussion of possible transarctic routes, and a tabular presentation of main stages of opening up the Arctic, 1553-1883.

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2117. BREITFUS, LEONID L'VOVICH, 1864-1950. Arktis, der derzeitige Stand unserer Kenntnisse über die Erforschung der Nordpolargebiete. Text zur historischen und physikalischen Karte. Berlin, Verlag von Dietrich Reimer (Andrew & Steiner), 1939. 2 p. l., 195 [1] p. illus., 2 fold. maps (in pocket). *Title tr.*: The Arctic. Text for the historical and physical maps. Foreword and contents in German and English.

Contains notes on information shown on maps, including geographic limits, structure, climate, limits of forest, permafrost, arctic seas, drift ice, navigation and territorial rights; notes on polar exploration methods; chronological list of events and expeditions from about 860 through 1938, showing national origin, purpose, area, ship, leadership, and brief résumé of each expedition's achievement (forming a basic ready reference on expeditions). Includes an index of personal and ship's names. Maps (scale 1:10,000,000) show in addition to information mentioned above, polar stations, expedition routes, bathymetry, and generalized ocean currents.

Copy seen: DLC.

2118. BREITFUS, LEONID L'VOVICH, 1864-1950. Die "Arktis" und die "Aeroarctic." Ein historischer Rückblick. (Arktis, 1928. Jahrg. 1, p. 39-44) *Title tr.*: Arktis and "Aeroarctic." Historical review.

The history of international polar research leading to the establishment of the International Society for the Study of the Arctic by Means of Aircraft and its journal, *Arktis*.

Copy seen: DWB; NNA.

2119. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Erforschung des Polargebietes Russisch-Eurasiens; See- und Landreisen während der Jahre 1912-24. Gotha, J. Perthes, 1925. vi, 113, [1] p. fold. maps. (Petermanns geographische Mitteilungen. Ergänzungsheft. Nr. 188) *Title tr.:* The exploration of the polar regions of Russia and Europe; sea and land expeditions, 1912-24.

Contents a survey of the expeditions and a bibliography of three hundred ninety-eight publications, with an index.

Copy seen: DLC.

2120. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Erschliessung des Eurasiatischen hohen Nordens; 30 Jahre eigener Arbeit an der wissenschaftlichen und kulturellen Erschliessung des nördlichen Eismeres 1898-1928. Gotha, J. Perthes, 1930. 57 p. 6 plates (incl. fold. map) (Petermanns geographische Mitteilungen. Ergänzungsheft. Nr. 207) *Title tr.:* The opening up of the Eurasian Arctic; 30 years of my own work in scientific and cultural investigation of the Arctic Ocean 1898-1928.

Contents: Introduction. 1. Activities of the Scientific Murman Expedition, 1898-1908. (Description of the organization; the scientific work carried out: oceanography, meteorology, biology, fisheries, and sealing; the socio-economic work: fishermen's benefits, telegraphic fishery news service, weather and ice bulletins, rescue service, and fishermen's child welfare). 2. Activities following the close of the expedition, 1909-21. Publication of the reports. Work with the Hydrographic Office, 1912-21. Work in Berlin, after 1921. 3. Bibliography of the author's publications, 1896-1929 (185 items), including papers on the sponges. 4. Subject index and key to the author's works. 5. Additions to map symbols.

Map: Barents and Kara Seas, showing 1418 stations of the ship *Andrei Perovozvannyi*, 1899-1906; meteorological, wintering, and oceanographic stations; and routes of ten expeditions 1912-20, in the two seas, sent out from

Russia to explore, or to rescue lost explorers.

Copy seen: DLC.

2121. BREITFUS, LEONID L'VOVICH, 1864-1950. Hidrograficheskaia ekspeditsiia Severnago Ledovitago Okeana i mery k eia osvobozhdeniui iz vyznuzhdennoi okolo Taimyrskago Poluoostrova zimovki v 1914/1915 g. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1915. Ser. 3, t. 39, p. 88-135, illus. (incl. 2 sketch charts) fold. chart) *Title tr.:* Hydrographic Expedition to the Arctic Ocean and its liberation from the ice off the coast of Taymyr Peninsula after the wintering of 1914-15.

Account of efforts to complete the survey of waters around the Taymyr Peninsula and Severnaya Zemlya, with the ice-breakers *Taimyr* and *Vaigach* under Capt. Boris A. Vilkitskii, 1914-15, as part of the extensive program of the Russian Hydrographic Dept. to survey the northern coast from Bering Strait to Cape Chelyuskin, 1910-15; Vilkitskii's wintering in the ice in the strait of his name; expeditions sent to his relief, under Otto Sverdrup and others, 1915-16. Includes an outline of the work of previous explorers in the region.

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2122. BREITFUS, LEONID L'VOVICH, 1864-1950. Den hydrografiske ekspedition til Nordishavet og foranstaltninger for at fri den ut av dens nødtvungne overvintringssted ved Taimyrhalvøen vinteren 1914-1915. (Norske geografiske selskab. Aarbok, 1914-1916, pub. 1916. Bd. 26-27, p. 1-41, illus., plate (map))

Norwegian edition of Breitfus' *Gid-rograficheskaiu ekspeditsiia Severnago Ledovitago Okeana*, 1915, q.v.

Copy seen: DLC.

2123. BREITFUS, LEONID L'VOVICH, 1864-1950. Das Internationale Polarjahr einst und jetzt. Rückblick und Ausblick. (Arktis, 1930. Jahrg. 3, p. 14-30, incl. sketch map) *Title tr.:* The International Polar Year, in the past and at present. Retrospect and prospect.

Contents a succinct review of the organization, stations, and kind of research accomplished in 1882-83; outline of the plans of each nation for the expeditions of 1932-33, with locations plotted on circumpolar map and tabular data on each station.

Copy seen: DLC; NNSf.

2124. BREITFUS, LEONID L'VOVICH, 1864-1950. K spongio-faunë Kol'skago zaliva. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1911. T. 42, vyp. 1, p. 209-221, 223-26) *Title tr.:* On fauna of sponges of Kola Bay.

Contains a systematic list of seventy species (in forty-two genera) of sponges, collected in 1908 and 1909 in Kola Bay, Murman coast, with data on stations and general geographic distribution; a special list of pure arctic species includes twenty-three names, or about one third of those found. Summary in German. *Copy seen:* MH-Z.

2125. BREITFUS, LEONID L'VOVICH, 1864-1950. Kalkschwämme der Bremer Expedition nach Ost-Spitzbergen im Jahre 1889 (Prof. W. Küenthal und Dr. A. Walter). Vorläufige Mittheilung. (Zoologischer Anzeiger, 1896. Bd. 19, p. 426-32) *Title tr.:* Calcareous sponges of the Bremen Expedition to East Spitsbergen, 1889 (Prof. W. Küenthal and Dr. A. Walter). Preliminary report.

Contains a list, with descriptive notes, localities and depths, of ten (including with descriptions, four new) species from eastern Svalbard waters.

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2126. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Kalkschwammfauna des arktischen Gebietes. (*In:* Fauna arctica, 1932. Bd. 6, p. 235-52, table) *Title tr.:* Calcareous sponges of the arctic region.

Contains a classified list, with synonymy and circumpolar distribution, of ninety-six species from arctic seas; tabular presentation of stations (with depths and bottom characteristics) of the German Expedition to the Arctic Ocean and the Olga Expedition in 1898. Bibliography (75 items).

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2127. BREITFUS, LEONID L'VOVICH, 1864-1950. Kalkschwammfauna des Weissen Meeres und der Eismeerküsten des Europäischen Russlands, mit Berücksichtigung und Aufstellung der Kalkschwamm-fauna der arktischen Region. St.-Petersbourg, 1898. 2 p. l., 41 p. 4 plates. (Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique. T. 6, no. 2) *Title tr.:* Calcareous sponges of the White Sea and arctic coasts of European Russia with regard to, and a statement of,

the calcareous sponges of the arctic region.

Contains discussion and tabular presentation of the distribution of sponges from East Greenland waters to Novaya Zemlya, with mention of more easterly waters; a systematic list, with synonymy, notes, localities, and descriptive remarks, of twenty-five (including with full descriptions, five new) species; a key to the species, and a bibliography (65 items).

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2128. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Kalkschwammfauna von Spitzbergen. Nach den Sammlungen der Bremer Expedition nach Ost-Spitzbergen im Jahre 1889. (Prof. W. Küenthal und A. Walter). Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1898. Bd. 11, p. 103-120, 2 plates) *Title tr.:* The sponges of Spitsbergen. From the collections of the Bremen Geographical Society Expedition to East Spitsbergen, 1889. (Prof. W. Küenthal and A. Walter).

Contains a list, with synonymy, descriptions, locations, depths, and worldwide distribution of ten (including five new) species from the coastal waters of eastern Svalbard.

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2129. BREITFUS, LEONID L'VOVICH, 1864-1950. Neue wertvolle Beiträge zur Erschliessung der Innerarktis. (Petermanns geographische Mittheilungen, 1949. Jahrg. 93, p. 33-35, incl. sketch chart) *Title tr.:* New valuable contributions to the opening up of the central Arctic.

Contains remarks on German editions of two Russian books (1) by V. Chkalov on his transpolar flight, and (2) by K. Badigin and N. Zubov on the drift of the *Sedov*, comprising a review of Arctic Basin drifts and flights.

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2130. BREITFUS, LEONID L'VOVICH, 1864-1950. Die neuen Radio-Wetterstationen auf der Wrangelinsel und in Bulun. (Arktis, 1929. Jahrg. 2, p. 129-30) *Title tr.:* The new radio weather stations on Wrangel Island and at Bulun.

Note on Vrangelya Island, brief description of the station, mention of the station at Bulun (70°45'N. 127°47'E.) and review of other Soviet stations.

Copy seen: DLC; NNStef.

2131. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Nobile-Nordpolexpedition mit dem Luftschiff. (Petermanns Mitteilungen, 1929. Jahrg. 75, p. 1-7, 71-76, illus.) *Title tr.:* The Nobile North Polar expedition with an airship.

Contents tr.: 1. Introduction. (The plans, personnel and airships). 2. The Norge and Italia flights. 3. The rescue operations. (for the Italia). 4. Conclusion. (Significance of the flights for arctic research). *Copy seen:* DLC.

2132. BREITFUS, LEONID L'VOVICH, 1864-1950. Nordland (Nikolaus-II.-Land) und die angrenzenden Gewässer. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1931. p. 356-61, map) *Title tr.:* Northland (Nicholas II Land) and the adjacent waters.

Sketch of the discovery and exploration of Severnaya Zemlya, 1913-31; and reasons for naming part of Kara Sea, the West Siberian Sea, based on the depths and the islands west of Severnaya Zemlya. *Copy seen:* DLC.

2133. BREITFUS, LEONID L'VOVICH, 1864-1950. Die Nordostdurchfahrt und ihre Erzwingung. (Petermanns geographische Mitteilungen, 1934. Bd. 80, p. 336-38) *Title tr.:* The Northeast Passage and the forcing of it.

Sketch of voyages part way along the route, attempts to a through passage, especially in the 20th century.

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2134. BREITFUS, LEONID L'VOVICH, 1864-1950. Das Nordpolargebiet, seine Natur, Bedeutung und Erforschung. Berlin, Springer-Verlag, 1943. vi, 179, [1]. p., 59 illus., 2 maps (1 fold.) (Verständliche Wissenschaft, 48. Bd.) *Title tr.:* The north polar region, its nature, significance and exploration.

Handbook for general readers, giving succinct information in a broad survey of the physical, economic and human geography of the Arctic.

Maps include one showing routes of twenty-nine expeditions, nineteen flights, limits of permafrost, isobaths, northern railroad lines and meteorological stations. *Copy seen:* DLC.

2135. BREITFUS, LEONID L'VOVICH, 1864-1950. Poliarnaiâ ekspeditsiia leitenanta G. L. Brusilova na shkhune "Sv. Anna". (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1914. T.

50, p. 181-90, plate, map) *Title tr.:* The arctic expedition of Lieutenant G. L. Brusilov on the schooner Sv. Anna.

A survey of the status of the expedition, containing an account of the drift of the St. Anna, which began Oct. 1912 in the Kara Sea, reconstructed from the journal brought back by Mate Al'banov's group, which left the ship seventy miles north of Franz Josef Land (with a list of the members of the expedition, and their fate when known, p. 185-86); remarks on the rescue expeditions; conjectures on the probable outcome of the drift, and comparison with that of the Fram. *Copy seen:* DLC.

2136. BREITFUS, LEONID L'VOVICH, 1864-1950. Proekt kapitana Brunsa. (Priroda, 1924. No. 7-12, col. 71-88, map) *Title tr.:* The project of Captain Bruns.

Discussion of the airman Walther Bruns' plan for regular airship sailings on the route Amsterdam-Copenhagen-Leningrad-Arkhangelsk-Nome-Unimak-Yokohama; with some description of its technical and navigational feasibility, and of conditions peculiar to the arctic section of the route.

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2137. BREITFUS, LEONID L'VOVICH, 1864-1950. Reliktovoe ozero Mogil'noe. (In: Deriugin, K. M., and others. Murmanskaiâ biol. stantsiia 1898-1905, pub. 1906, p. 101-106) *Title tr.:* Relict Lake Mogilnoye.

Contains a general description of this relict lake (on Kildin Island, off the Murman coast) having an upper layer of fresh water with the usual fauna and flora, a middle layer of salt water (8-14 meters deep) with marine fauna and flora, and dead belt of 14 to 16 meters as the bottom layer. Includes a list of about forty species of freshwater and marine plankton, and a table showing water temperature and salinity at various levels.

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2138. BREITFUS, LEONID L'VOVICH, 1864-1950. Roald Amundsens "Maud"-Expedition zum Nordpol, ihr Verlauf und Abschluss. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1925. p. 129-33, sketch map) *Title tr.:* Roald Amundsen's North Pole Expedition in the Maud, its course and conclusion.

Notes on the Maud's progress, 1919-

25, and mention of its drift in comparison with that of the *Jeannette*.

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2139. BREITFUS, LEONID L'VOVICH, 1864-1950. Der Sibirische Seeweg. (Osteuropa, Okt. 1930-Juni 1931. Jahrg. 6, p. 21-40, 507-524, 2 sketch maps) *Title tr.:* The Siberian sea route.

Contains in pt. 1, on the western section of the route, an historical sketch of the opening of a Northeast Passage, 16th to 20th centuries; brief survey of trading voyages to the Ob-Yenisey Rivers, before the Revolution; the "Kara Expeditions" in the same region, beginning 1921; also shipping history (with data on imports and exports); discussion of navigational problems and an analysis of future requirements for trade and shipping.

Pt. 2, on the eastern section, opens with an analysis of the isolated position of northeastern Siberia (Yakutia) in history and modern trade and communication; followed by a survey of the investigations, 1909-29, of the sea route between the Lena River and Bering Strait; general notes on the severe ice conditions to be faced in the seas and on the river courses of Yakutia.

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2140. BREITFUS, LEONID L'VOVICH, 1864-1950. Der Sibirische Seeweg und seine physikalischen Verhältnisse. (Arktis, 1931. Jahrg. 4, p. 27-31, 73-109, fold. chart) *Title tr.:* The Siberian sea route and its physical characteristics.

Discussion of the temperature-salinity relationships of each of the Russian arctic seas, and of the climate, geomagnetism, and atmospheric electricity of the region as a whole; a chronological list of voyages (1) along the route, till 1931; (2) on the western section from European ports to the Ob-Yenisey, 1734-1931; and (3) east of Cape Chelyuskin, 1633-1931; an analysis of this traffic in terms of tonnage and mileage.

Copy seen: DLC; NNStef.

2141. BREITFUS, LEONID L'VOVICH, 1864-1950. Um die Erschliessung der inneren Arktis. (Osteuropa, März 1938. Jahrg. 13, p. 402-409) *Title tr.:* On the opening of the central Arctic.

Critical analysis of the results of the Russian drifting ice-floe station "North Pole", 1937-38, and the transarctic flights carried out by the U.S.S.R. during 1938.

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2142. BREITFUS, LEONID L'VOVICH, 1864-1950, and K. M. DERÛGIN. Hidrologicheskiï ocherk Ekaterinskoi gavanî. (In: Derûgin, K. M., and others. Murmanskaiâ biol. stantsiia, 1899-1905, pub. 1906, p.77-86, illus. plate) *Title tr.:* Hydrological outline of Catherine Harbor.

Contains a general hydrological outline of this harbor (69°13'N. 33°26'E.) of the port of Murmansk, with a diagram of water temperature and salinity for the years 1898-1903, and tabulated data on temperature, salinity, chlorine content and specific gravity at various depths, 1903-1904.

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BREITFUS, LEONID L'VOVICH, 1864-1950, see also Al'banov, V. I. Au pays de la mort blanche. 1928.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Al'banov, V. I. Irrfahrten Lande weissen Todes. 1925.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Al'banov, V. I. Mezhdû zhizn'û i smert'û. 1925.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Arktis; 1928-31.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Berlin. Universität. Institut für Meereskunde. Polarbuch. 1933.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Derûgin, K. M. K faunû Kol'skago zal. I-II, 1908-09. 1910-11.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Luftschiff als Forschungsmittel. 1924.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung 1928. 1929.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Meyer, W. Kampf um Nobile. 1931.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Nansen, F., & L. L. Breitfus. Erforschung inneren Arktis. 1929.

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Vize, V. Iŭ. *Ekspeditsiia na l/p Sibiriakov. 1933.*

BREITFUS, LEONID L'VOVICH, 1864-1950, see also Zeidler, P. G. *Polarfahrten. 1927.*

BREMER GEOGRAPHISCHE GESELLSCHAFT, see Geographische Gesellschaft in Bremen.

BREMNER, JOHN, see Seton-Karr, H. W. *Shores & Alps of Alaska. 1887.*

BREMNER, RAYMOND W., see Thompson, T. G., & others. Report of preliminary survey of waters SE. Alaska. 1934.

BRENDEL, MARTHA BROCK U'TNE, see Finnmark omkring 1700. 1932-45.

2143. BRENNECKE, WILHELM, 1875-1924. Beziehungen zwischen der Luftdruckverteilung und den Eisverhältnissen des Ostgrönländischen Meeres. (Annalen der Hydrographie und maritimen Meteorologie, Feb. 1904. Jahrg. 32, p. 49-62, fold. diagr.) Also issued as Inaugural-dissertation, Berlin, 1904. *Title tr.:* The relation between the distribution of atmospheric pressure and ice conditions of the East Greenland seas.

Contains a discussion of the dependence upon pressure during March to May, of the summer ice limits in waters between Greenland and Scandinavia; the significance of Greenland high and European low pressure areas, even during winter months, in relation to the limits of ice; and the influence of heavy ice on the air temperature of northern Europe. *Copy seen:* DLC.

2144. BRENNECKE, WILHELM, 1875-1924. Die Eisverhältnisse an der westgrönländischen Küste in Juli 1909. (Annalen der Hydrographie und maritimen Meteorologie, Nov. 1909. Jahrg. 37, p. 516-17) *Title tr.:* Ice conditions on the West Greenland coast, July 1909.

Brief note on a report from a fishing vessel about the ice between Cape Farewell and Disko Bay.

Copy seen: DLC.

BRENNECKE, WILHELM, 1875-1924, see also Schulz, B. Bericht Reise W. Brennecke 1923. 1927.

2145. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Anteckningar från Svenska Jenisejexpeditionen 1876.

Uppsala & Stockholm, Almqvist & Wiksell, 1910. 108 p. (Arkiv för botanik, 1909-1910, pub. 1910. Bd. 9, no. 9) *Title tr.:* Notes from the Swedish Yenisey expedition of 1876.

Result of a geobotanical survey of the vegetation along the Yenisey from Krasnoyarsk (56°N.) to the river mouth, carried out by the author, the botanist of the Nordenskiöld expedition, in the summer of 1876. Includes notes on various species observed and phenological data on about one hundred fifty plants of that region.

Copy seen: MH.

2146. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. *Euphrasia hebecalyx* Brenn., förut *E. micrantha* Brenn. (Botaniska notiser, 1898, p. 181-83) *Title tr.:* *Euphrasia hebecalyx* Brenn., previously *E. micrantha* Brenn.

Contains a taxonomic note on identity and synonymy of *Euphrasia micrantha*, an herb native to northern Scandinavia and Kola Peninsula, and change of this name to *E. hebecalyx* Brenn. nom. nov.

Copy seen: MH-A.

2147. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Hieraciologica meddelanden. 6. Nya *Hieracium*-former från Kuusamo. (Societas pro fauna et flora fennica. Meddelanden, 1908-1909, pub. 1909. Häfte 35, p. 119-23) *Title tr.:* Notes on *Hieracium*. 6. *Hieracium* forms from Kuusamo.

Contains Latin description of four new species of herbaceous genus *Hieracium* from the Kuusamo region, north-east Finland: *H. piliscapum*, *H. monotium*, *H. atricapitatum*, and *H. comparile* n. spp.

Copy seen: MH-A.

2148. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. En hvitblommig *Taraxacum*-art från Ryska Lappmarken. (Societas pro fauna et flora fennica. Meddelanden, 1914-1915, pub. 1915. Häfte 41, p. 46-48, illus.) *Title tr.:* *Taraxacum* species with white flowers from Russian Lapland.

Contains Latin diagnosis of *Taraxacum leucoglossum*, a new species with white flower, found by T. Brenner in Kola Peninsula, and critical notes on some related species of this herb.

Copy seen: MH-A.

2149. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. I Ostenfennoskandia fauna former af *Pimpinella*

saxifraga L. (Societas pro fauna et flora fennica. Meddelanden 1921-22, pub. 1925. Häfte 48, p. 152-57) **Title tr.:** Forms of *Pimpinella saxifraga* found in eastern Fennoskandia.

Contains critical notes and brief Latin descriptions of fourteen forms of the herb *Pimpinella saxifraga*, including the form *subtriangularis* native to northern Ostrobothnia (Kemi) and Keret Karelia (Oulanka).

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2150. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Några *Atriplex*-och *Chenopodium*-former. (Societas pro fauna et flora fennica. Meddelanden, 1921-22, pub. 1925. Häfte 48, p. 135-38) **Title tr.:** Some *Atriplex* and *Chenopodium* forms.

Contains some critical notes on the species of herbaceous genera *Atriplex* and *Chenopodium* of Finland, including *A. patulum* occurring on the Murman coast of Kola Peninsula, in Kandalaksha and on Kildin Island, and *A. oblongifolia* native to Imandra Lappmark.

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2151. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Några lapska *Taraxacum*-former. (Societas pro fauna et flora fennica. Meddelanden, 1906-1907 pub. 1907. Häfte 33, p. 108-112) **Title tr.:** On some *Taraxacum* forms from Lapland.

Contains Latin diagnoses of four new species of weedy herbaceous genus *Taraxacum* from Kemi Lappmark, and critical notes on three other species from Kemi, Muonio and Enontekis regions of northwest Finland.

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2152. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Några ord om namnen *Euphrasia tenuis* och *micrantha* och dermed betecknade växtformer. (Botaniska notiser, 1896, p. 197-201) **Title tr.:** A few words on the names *Euphrasia tenuis* and *micrantha* and the plant forms they represent.

Contains a taxonomic discussion on complicated identity and synonymy of two hemiparasitic herbs, *Euphrasia tenuis* and *E. micrantha*, the latter from Swedish and Russian Lapland, and some related species of the same genus.

Copy seen: MH-A.

2153. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Nya *Archieracia* från Norra Finland. (Societas pro

fauna et flora fennica. Meddelanden, 1901-1902, pub. 1902. Häfte 28A, p. 46-48) **Title tr.:** New *Archieracia* from northern Finland.

Contains Latin diagnoses of four new species of herbaceous genus *Hieracium*, section *Archieracia* from northern Ostrobothnia and Kemi Lappmark (Rovaniemi and Walmari parishes), collected by K. J. Ehnberg.

Copy seen: MH-A.

2154. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Observationer rörande den nordfinska floran under adertonde och nittonde seklen, särskildt med afseende å karlväxterna i Öster-Norrbottnen, Nord-Österbottnen och Kajani. Helsingfors. 1899. 307 p. map (Societas pro fauna et flora fennica. Acta, 1897-1900, pub. 1899. v. 16, no. 4) **Title tr.:** Observations concerning the flora of northern Finland during the 18th and 19th centuries with an enumeration of vascular plants of East Norrbotten, North Ostrobothnia and Kajania.

Contains an historical survey of the progress of botanical investigation of northern Finland, based on literature sources starting with Linne's works, and on the author's own observations during his trips in 1864 and 1869; a description of the vegetation of various regions of northern Finland, an enumeration of about eight hundred flowering plants and vascular cryptogams; tabular presentation of (1) plant distribution in twenty-nine natural regions of the provinces mentioned in the title, also (2) the flowering period of various plants.

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2155. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Om några *Taraxacum* former. (Societas pro fauna et flora fennica. Meddelanden, 1888-1891 pub. 1889. Häfte 16, p. 107-114) **Title tr.:** On some *Taraxacum* forms.

Contains critical notes on some species of herbaceous genus *Taraxacum*, including *T. officinale* f. *ceratophora*, native to the Muonio region of northwest Finland and to Russian Lapland.

Copy seen: MH-A.

2156. BRENNER, MÄRTEN MAGNUS WILHELM, 1843-1930. Spridda bidrag till kannedom af Finlands *Hieracium*-former. II. Nordostrobottniska Hieracia. Helsingfors, J. Simelius, 1893. 43 p. (Societas pro fauna et flora fennica.

Acta, 1893-1894, pub. 1894. v. 9, no. 5)

Title tr.: Miscellaneous contributions to the knowledge of *Hieracium* forms. II. Hieracia of North Ostrobothnia.

Contains an enumeration of fifty-nine species of herbaceous genus *Hieracium* of section *Archieracia* and twenty-nine of section *Piloselloidea*; with critical notes and detailed data on distribution in this district of northern Finland; includes some species spreading to adjoining regions of Finnish Lapland.

Copy seen: MH-A.

BRESADOLA, GIACOMO, 1847-1929, see Schaffer, J. Revision der Russula-Sammlung. 1939.

2157. BRETHERTON, BERNARD J. Kodiak Island. A contribution to the avifauna of Alaska. (Oregon naturalist, Apr.-July 1896. v. 3, p. 45-49, 61-64, 77-79, 100-102)

Sketch of the climatic conditions of the island, and an annotated list of sixty-one species of birds.

Copy seen: DSI-M.

2158. BRETZ, J. HARLEN, 1882- Physiographic studies in East Greenland. (In: Boyd, L. A. *Fiord region of East Greenland*, 1935, p. 159-266)

On the geomorphology from 72°-74° N., including glaciation, solifluction, raised shore lines (with table), origin of fiords and valleys, and the icebergs. Chapters on Hold with Hope (73°30' N.), Mackenzie Valley (Badland Dal), Louise Boyd Land and glacier, Gregory Valley (Mysteriedalen), and Franz Joseph Fiord system and region. Result of the Louise A. Boyd Expedition to East Greenland, 1933.

Copy seen: DLC.

2159. BRETZ, J. HARLEN, 1882- The physiography of North America. (In: Ruedemann, R., and R. Balk eds. *Geologie der Erde. Geology of North America*. Berlin, 1939. v. 1, p. 1-40, map)

Includes brief descriptions of the Labrador Range, Canadian Arctic Islands, and Greenland Plateau provinces, the Mackenzie and Endicott Mts., the Yukon Plateau and Alaska Range.

Copy seen: DGS.

2160. BREUER, P. K., and G. ZIMMERLUND. Über Steinkohle aus Spitzbergen. (Brennstoff-Chemie, Apr. 1, 1922. Bd. 3, p. 98-103, sketch map)
Title tr.: Spitsbergen coal.

Contains discussion of the geology of the coal deposits of West Spitsbergen, results of their burning tests, and chemical analyses.

Copy seen: DLC.

2161. BREWER, WILLIAM H. The Alaska atmosphere. (In: Dall, W. H. History, geography, resources. Harri-man Alaska series, 1902. v. 2, p. 279-89, 6 plates)

Description, with explanation of the causes, of the sky color, clouds, fog, mirages, etc. witnessed during the cruise of the expedition.

Copy seen: DLC.

2162. BREWER, WILLIAM H. Atmospheric dust in the arctic regions. (In: Walsh, H. C., and others. The last cruise of the *Miranda*, 1896, p. 148-61)

Notes on the transparency of fogs and their wetness, on the rain, the aspects of sky and visibility, haze and optical phenomena, near Greenland.

Copy seen: DLC; NNSf.

2163. BREWER, WILLIAM M. Bornite ores of British Columbia and the Yukon Territory. (Canadian Institute of Mining and Metallurgy. Transactions, 1905. v. 8, p. 172-82)

Notes on the geology and mineralogy of a copper ore occurring in the White Horse copper belt and elsewhere, with discussion by others, p. 181-82.

Copy seen: DGS.

2164. BREWER, WILLIAM M. Some notes on the Copper River district, Alaska. (Canadian Institute of Mining and Metallurgy. Transactions, 1908. v. 11, p. 415-22, fold. map)

General remarks on the accessibility, occurrences of copper ores, and exploration of the Copper River district and its tributaries, the Chitina and Lakina Rivers.

Copy seen: DGS.

2165. BREWSTER, WILLIAM. An undescribed form of the black duck (*Anas obscura*). (Auk. Apr. 1902. v. 19, p. 183-88)

The red-legged bird which has breeding grounds along the northern Quebec-Ontario coast from Labrador to James and western Hudson Bays, is referred to a new subspecies *rubripes*.

Copy seen: DSI-M.

2166. BREYNAT, GABRIEL, and others. Vicariat apostolique du Mackenzie. (L'Apostolat, déc. 1940. v. 11,

p. 321-50, illus. (ports.) sketch map)
Title tr.: Apostolic vicariate of Mackenzie.

A special number of this monthly review of the Oblates of Mary the Immaculate. It is dedicated to the Mackenzie vicariate, in which some of the oldest missions were founded, at Lake Athabaska in 1847, and at Fort Simpson in 1858.

Contents include (tr.): A prefatory letter by G. Breynat. On Mackenzie. (Statement of the vicariate's personnel). Laffond, A. The vicariate of Mackenzie. (Brief history and notes on personnel, population, schools, hospitals, and the missions among Eskimos. Serurot, J. Transportation in the vicariate of Mackenzie. (Mackenzie River route). Binamé, A. Tour of the Mackenzie, 1940. **Copy seen:** CaOUS.

2167. BRICE, ARTHUR JOHN MONTEFIORE, 1859- . The Jackson-Harmsworth North Polar Expedition: an account of its first winter and of some discoveries in Franz Josef Land. (Geographical journal, Dec. 1895. v. 6, p. 499-522, sketch map)

Papers read before the Royal Geographical Society, Nov. 1895, noting early exploration, describing the track of the *Windward* in the ice, the house constructed at Cape Flora, the bear hunting, and Jackson's overland trip with ponies during the expedition's first year. **Copy seen:** DLC.

2168. BRICE, ARTHUR JOHN MONTEFIORE, 1859- . A note on the geography of Franz Josef Land. (Geographical journal, June 1894. v. 3, p. 492-97)

General statement of the facts (then) known, as drawn from the journals of J. Payer and B. Leigh Smith, and presented to the Society before the departure of the Jackson-Harmsworth Expedition, 1894-97. **Copy seen:** DLC.

2169. BRICE, ARTHUR JOHN MONTEFIORE, 1859- , and H. FISHER. The Jackson-Harmsworth Polar Expedition. Notes of the last year's work. (Geographical journal, Dec. 1896. v. 8, p. 543-66, illus., fold. map)

Contains an account of exploration along the southern coasts of Franz Josef Land, the story of Fridtjof Nansen's arrival (from the Fram Expedition) at Jackson's Camp on Cape Flora. Includes Some remarks on the flora of

Franz Josef Archipelago, also zoological notes (insects) by H. Fisher.

Copy seen: DLC.

2170. BRICE, HOWARD. The A. C. S. fights too. (Alaska life, Nov. 1944. v. 7, no. 11, p. 3-10, incl. 4 p. of illus.)

Account of work done by U. S. Army Signal Corps on the Alaska Communications System during World War II, under severe climatic conditions.

Copy seen: DLC.

2171. BRIDGE, MARY. The Arctic Institute of North America. (Canadian geographical journal, Dec. 1944. v. 29, p. 275-77)

Notes on the need for arctic research, the first meetings and committees which formed the Institute, and the scope of its activities and programme.

Copy seen: DLC.

BRIDGLAND, E. P., *see* Wilson, G. W., & E. P. Bridgland. Cold weather operation of aircraft. 1949.

2172. BRIDGMAN, HERBERT LAWRENCE, 1844-1924. Peary: an appreciation. (Geographical review, Mar. 1920. v. 9, p. 161-69, port.)

Contains a survey (in brief) of the geographical, ethnological, meteorological, hydrographic, and geological results of Peary's expeditions; with a Summary of Peary's tidal observations, prepared for this article by the U. S. Coast and Geodetic Survey.

Copy seen: DLC.

2173. BRIDGMAN, HERBERT LAWRENCE, 1844-1924. Peary: the man and his work. (International Geographical Congress. 10th, Rome, 1913. Atti, 1915. p. 617-34) **Copy seen:** DLC.

2174. BRIDGMAN, HERBERT LAWRENCE, 1844-1924. Peary's progress to the Pole. (American Geographical Society, N. Y. Bulletin, Dec. 1901. v. 33, p. 425-31)

A summary of the "more important features" of a lecture before the Society, Nov. 19, 1901, by the secretary of the Peary Arctic Club: an account (in brief) of the cruise of the *Erik*, July-Aug. 1901, to Etah under the author's command, the meeting with the Peary family and ship's company of the *Windward*, text of one telegram and two letters by Peary, Apr. 1901 (with additions made in Aug.), giving

details of his activities, May 1900–July 1901, in exploration around the north coast of Greenland.

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2175. BRIEF ACCOUNT OF THE MIS-
SIONARY SHIPS employed in the service of the mission on the coast of Labrador from the year 1770 to 1877. London, Printed by G. Norman & Son, 1877. 26 p. front.

Tribute to divine care of ships serving the Moravian missions, with some information on the ice conditions along the Labrador coast.

Copy seen: CaOAr.

2176. BRIERLY, J., and F. G. PAR-
SONS. Notes on a collection of ancient Eskimo skulls. (Royal Anthropological Institute of Great Britain and Ireland. Journal, 1906. v. 36, p. 104–120).

Contains detailed descriptions by Brierly of seventeen skulls collected by him on the west coast of Greenland between Godthaab and Umanak Fjord in 1905; with generalizations and conclusions by Parsons. Includes table of detailed craniometric measurements.

Copy seen: DLC.

2177. BRIGHT, Sir CHARLES TIL-
TON, 1832–1888. Synopsis of the surveys of the *Fox*, under the command of Capt. Allen Young. (Royal Geographical Society. Proceedings, Jan. 28, 1861. v. 5, p. 70–79)

Capt. Young's report (in brief) to promoters of the North Atlantic telegraph project, on the voyage, 1860. Includes notes on depths in Julianehaab Fjord, and ice in Davis Strait off southwestern Greenland.

Copy seen: DLC.

2178. BRINCHMANN, CHRISTOPHER, 1864–. Gronlands overgang til Danmark. (Norske geografiske selskab. Aarbok, 1919–21, pub. 1921. p. 89–188) *Title tr.:* The cession of Greenland to Denmark.

Discussion of the cession of Greenland by Norway to Denmark following the Treaty of Kiel, 1814, with historical documents.

Copy seen: DLC.

2179. BRINKMANN, AUGUST, 1878–. Noen evertebrater fra Barentshavet og Danmarkstredet; S/S "Borgenes" 's tokt 1932–33 og S/S "Heimland I" 's tokt 1933. Bergen, J. Grieg, 1942. 16 p. 2 sketch charts. (Bergen. Museum. Aarbok, 1941. Naturvidenskapelig

rekke, nr. 2) *Title tr.:* New invertebrates from Barents Sea and Denmark Strait; S.S. *Borgene* cruise 1932–33, and S.S. *Heimland I* cruise, 1933.

Based on collections from Norwegian fisheries investigations in waters from 30°–43°E., and northwards to 71°W. in Barents Sea, on the Bear Island banks, and in Denmark Strait. List of thirty species from Barents Sea and fourteen species from Denmark Strait, with discussion of size of some of the commercial shellfish; a list of the stations with position, depth, and bottom temperatures; and a bibliography.

Copy seen: DLC.

BRINKMANN, MARTIN CECILIUS
AUGUST, Jr., *see* Brinkmann, August, 1878–

2180. BRISKINA, M. M. Pitanie nepromyslovykh ryb Barentsova moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 339–54, diags.) *Title tr.:* Feeding of non-commercial fishes of Barents Sea.

A study based on 842 analyses of stomach contents of various non-commercial fish taken in Barents Sea, 1921–31, with a list of the collecting stations, fish species, and typical food. Bibliography (13 items). Summary in English.

Copy seen: DLC.

2181. BRISTOWE, WILLIAM SYER. The fauna of the arctic island of Jan Mayen and its probable origin. (Annals and magazine of natural history, Apr. 1925. Ser. 9, v. 15, p. 480–85)

Discussion of the affinity existing between the insect fauna of Jan Mayen and that of northern Europe, and statement of the conclusion that the westerly arctic current has brought the insects to Jan Mayen with the driftwood. Table shows complete list of insects and arachnids recorded from Jan Mayen, and their arctic distribution.

Copy seen: DSI–M.

2182. BRISTOWE, WILLIAM SYER. The insects and arachnids of Jan Mayen. (Cambridge Philosophical Society. Proceedings, 1921, pub. 1922. v. 21, p. 38–43)

Based on the author's collections made during the Cambridge Jan Mayen Expedition, 1921. Discussion of the manner in which these forms might

originally have reached Jan Mayen, and their relation to similar forms in other parts of the world; with list of five spiders, seven mites, ten insects (also eleven unidentified species), six fungi and three mosses. *Copy seen:* DLC.

2183. BRISTOWE, WILLIAM SYER. Spiders from the arctic island of Jan Mayen. (Zoological Society of London. Proceedings, 1948. v. 118, p. 223-25)

Notes on the four species of spiders recorded since 1882-83, and most recently found by the Oxford University Expedition, 1947.

Copy seen: DSI-M.

2184. BRISTOWE, WILLIAM SYER. The spiders of Bear Island. (Norsk entomologisk tidsskrift, 1933. Bd. 3, p. 149-54, illus.) Issued also as Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 21.

Based on collections of Sig Thor, 1928, and of the Cambridge Zoological Expedition, 1932. Discussion of the ecological relationships and the problem of how the two species of spiders reached Bear Island originally, with descriptive note on the two species.

Copy seen: DA.

2185. BRITISH COLUMBIA INDIAN ARTS AND WELFARE SOCIETY. Native designs of British Columbia. Victoria, B. C., 1948. 7 l., 7 col. plates, and 5 plates in pocket.

Reproductions of traditional Indian (mainly Haida) designs with explanatory notes, published as part of the Society's effort to encourage use of authentic figures and colors in handicrafts produced by present-day Indians for trade.

Copy seen: DSI.

2186. BRITISH MEDICAL JOURNAL. Food and health of Eskimos and Lapps. (British medical journal, Aug. 14, 1943. p. 207)

Brief remarks on present-day diet and diseases of these two peoples.

Copy seen: DGS.

2187. THE BRITISH POLAR EXPEDITION TO FORT RAE. (Meteorological magazine, Dec. 1932. v. 67, p. 249-52)

Review of the organization and program of the meteorological and geophysical work for Fort Rae in Mackenzie District, Canada, during the Second International Polar Year.

Copy seen: DLC.

2188. BRITTEN, M. Holothurien aus dem Japanischen und Ochotskischen Meere. (Akademiia nauk SSSR. Bulletin, 1906. Sér. 5, t. 25, p. 123-57) *Title tr.:* Holothuria from the Japan and Okhotsk Seas.

List, with synonyms, references and discussion, of eighteen species of sea cucumbers, of which five (including with descriptions two new) species were taken from the Okhotsk Sea, between 52°-55°N.

Copy seen: DLC.

2189. BRITTON, ELIZABETH GERTRUDE (KNIGHT) 1858-. Arctic mosses. (Bryologist, Nov. 1909. v. 12, p. 106)

List of fifty-seven mosses and five liverworts collected by Peary in Grant Land, Ellesmere Island, 1902, and by Dr. L. J. Wolf in Grant Land, 1906, especially in the Wrangel and Lincoln Bays region.

Copy seen: DLC.

2190. BRITTON, NATHANIEL LORD, 1859-1934, and P. A. RYDBERG. Contributions to the botany of the Yukon Territory. 4. An enumeration of the flowering plants collected by R. S. Williams and J. B. Tarleton. (New York Botanical Garden. Bulletin, 1901, v. 2, p. 149-87)

Annotated list with localities of more than three hundred (including with descriptions, thirty-three new) species of plants, collected 1898-99.

Copy seen: DA.

2191. BRÜGGEN, ERNST EDUARD-DOVICH. Amphipoda Ekaterinenskoï gavan i eia okrestnostei. (Leningradskoe obshchestvo estestvoipyitatelei. Trudy, 1905. T. 36, vyp. 1, p. 218-28, plate) *Title tr.:* On Amphipoda of Catherine Harbor and vicinity.

Contains a systematic list of amphipodous crustaceans collected in 1904 and 1905 in Yekaterininskaya Gavan' (69°13'N. 33°26'E.) the harbor at Murmansk and in adjoining parts of Kola Bay, and determined by the author; includes Russian and German descriptions of *Ambasia murmanica* and *Protonotocia grandimana* n. spp.

Summary in German.

Copy seen: MH-Z.

BRÜGGEN, ERNST EDUARDOVICH, see also Averintsev, S. V. Otchet o dîelat'nosti Murmanskoï biologicheskoi stantcii, 1905. 1905.

BRÜGGEN, ERNST EDUARDOVICH, see also Derfugin, K. M. Fauna Ekaterinskoi gavanii. 1906.

BRÜGGEN, ERNST EDUARDOVICH, see also Derfugin, K. M. K faunâ Kol'skago zal. I-II, 1908-09. 1910-11.

BRÜGGEN, see also Nos. 2357, 2358.

2192. BROCH, HJALMAR, 1882-. Alcyonarians, with a systematic-biographical discussion of the northern *Eunephthya*-species. Bergen, John Grieg, 1928. 19 p. illus. (*Maud Expedition*, 1918-1925. Scientific results, v. 5, no. 7)

General discussion of octocorals and their taxonomy and list, with synonymy and discussions of distribution, of four species, of two of which, specimens were collected by the *Maud Expedition* in the East Siberian Sea and the New Siberian Islands waters; bibliography (13 items).
Copy seen: DSI-M.

2193. BROCH, HJALMAR, 1882-. Arktiske alcyonarier i Tromsø Museum. (Tromsø, Norway. Museum. Aarshefter, 1911, pub. 1912. Bd. 34, p. 179-86, illus.)
Title tr.: Arctic Alcyonacea in Tromsø Museum.

Contains a list of fourteen species of marine polyps (Alcyonaceae) belonging to the collection in Tromsø Museum, mostly from the fiords of northern Norway, one species, *Eunephthya rubiformis*, is also native to Svalbard and Novaya Zemlya waters.

Copy seen: MH-A.

2194. BROCH, HJALMAR, 1882-. Bipolarity, a problem of zoogeography. (Norsk geografisk tidsskrift, 1939. Bd. 7, hefte 5-8, p. 57-65)

Discussion of theories and literature on the distribution of bipolar littoral marine fauna; bibliography (17 items).

Copy seen: DLC.

2195. BROCH, HJALMAR, 1882-. Cirripedia. Bergen, John Grieg, 1936. 5 p. illus. (*Maud Expedition*, 1918-1925. Scientific results, v. 5, no. 19)

List, with localities, remarks on specimens and discussion of literature, of one species of barnacles collected by the *Maud Expedition*, in the Laptev Sea and of one species collected by the Second *Fram Expedition*, 1898-1902 in Folkefjord, northwest Greenland; bibliography (4 items).

Copy seen: DSI-M.

2196. BROCH, HJALMAR, 1882-. Coelenterés du fond. Bruxelles, 1912. 2 p. l., ii, 29 p. fold. chart. (Orléans, Louis Philippe Robert, *Duc d'* Campagne arctique de 1907. No. 10) *Title tr.:* Bottom coelenterates. (Duke of Orleans Arctic Expedition, 1907)

Contains an annotated list, with localities, of thirty-three species of hydroids, sea anemones, etc., collected from the *Belgica* 1907, in Kara Sea (and a few in Barents Sea near Novaya Zemlya); discussion of their geographic distribution; and a bibliography (19 items).

Chart shows circumpolar distribution of coelenterates.

Copy seen: DSI-M.

2197. BROCH, HJALMAR, 1882-. Einige Probleme der biogeographischen Abgrenzung der arktischen Region. (Berlin. Zoologisches Museum. Mitteilungen, 1933. Bd. 19, p. 1-20, 6 sketch maps) *Title tr.:* Some problems of the biogeographic limits of the arctic region.

Discussion of the two limit lines (one of plankton in the water, and the other of the bottom and its fauna) found along the southern Greenland Sea and Davis Strait waters; with remarks on related problems of hydrography and bathymetry, and a bibliography (21 items).

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2198. BROCH, HJALMAR, 1882-. Hydroida. Copenhagen, B. Luno, 1916. 2 p. l., 66 p. 2 plates, 20 sketch charts. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 6)

Based on the cruiser *Ingolf's* and other Danish collections from the Faeroes, Iceland and Greenland waters, a "new and detailed" diagnosis of the northern species, including a list, with descriptions, localities, geographic and bathymetric distribution, of thirty species of athecate hydroids. Addenda with two more (one new) species, appears in the author's *Hydroida II*, q.v.

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2199. BROCH, HJALMAR, 1882-. Hydroida II. Copenhagen, B. Luno, 1918. 2 p. l., 205 p. plate, 95 sketch charts. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 7)

Based on the cruiser *Ingolf's* and other Danish collections from the waters of Greenland, Iceland and The Faeroes.

Contents: 1. Comparative anatomy of the nourishing individuals, and systematic division of the thecophore hydroids. 2. Thecophore hydroids of the northern Atlantic. (List, with synonyms, locations, distribution and other notes, of eighty-five (three new) species). 3. Addenda to the athecate Hydroida. (Discussed in pt. 6 of these reports, the author's *Hydroida I*, q.v.) 4. Zoogeographical observations. 5. List of genera and type species. 6. Index and errata. Bibliography (124 items).

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2200. BROCH, HJALMAR, 1882- . Die Hydroiden der arktischen Meere. (*In*: Fauna arctica, 1910. Bd. 5, p. 127-248, illus., 3 plates, sketch map, tables) **Title tr.:** Hydroids of arctic seas.

Contains a discussion of their taxonomy; the taxonomy and variations of the fifty-eight (including two new) species, collected by the German Expedition to the Arctic Ocean, 1898; a list, with synonyms, localities, and depths, of one hundred seventy-three species from arctic seas, and from Baffin Bay-Davis Strait, and Labrador Sea. Discussion of their zoogeographical relationships, and a bibliography (182 items).

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2201. BROCH, HJALMAR, 1882- . Hydroiden og Medusen. Kristiania, A. W. Brøgger, 1907. 12 p. 2 plates. (Norske videnskaps-akademi i Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 2 (no. 12))

List, with some descriptions and locations of thirteen (including one new) species of polyps and medusae from the region of Smith and Jones Sounds.

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2202. BROCH, HJALMAR, 1882- . Noen dyregeografiske trekk i Nordhavens bunndyrverden. (Norsk geografisk tidsskrift, 1936-37, pub. 1937. Bd. 6, p. 303-18, sketch maps) **Title tr.:** Zoogeography of deep sea fauna in arctic seas.

Discussion of distribution of deep sea fauna in arctic waters and its causes; bibliography (5 items).

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2203. BROCH, HJALMAR, 1882- . Die Oktokorallen der Arktis. (*In*: Fauna arctica, 1929. Bd. 5, p. 1043-52) **Title tr.:** The Alcyonaria of the Arctic.

Contains discussion of the marine limits of the Arctic; a list of fifteen soft corals, sea whips and sea feathers, a key to the order, and a bibliography (26 items).

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2204. BROCH, HJALMAR, 1882- . Oktokorallen des nördlichsten pazifischen Ozeans, und ihre Beziehung zur atlantischen Fauna. Oslo, Jacob Dybwad, 1936. 53 p. 21 illus. (incl. sketch maps) (Norske videnskaps-akademi. Avhandlinger. I. Matematisk-naturvidenskapelig klasse, 1935, no. 1) **Title tr.:** Octocorals from the northernmost Pacific Ocean and their relation to the fauna of the Atlantic Ocean.

List, with localities and discussions, of seventeen (including five new) species of corals collected by Russian expeditions in the Pacific seas from the Sea of Japan to Bering Strait, with discussion of distribution; bibliography (about 40 items).

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2205. BROCH, HJALMAR, 1882- . Das Plankton der schwedischen Expedition nach Spitzbergen, 1908. (Svenska Spetbergs-expeditionen, 1908. Zoologiske Resultate, Teil 1, [Heft 2]. Pub. in: Svenska vetenskapsakademien. Handlingar, 1910. Bd. 45, no. 9, p. 25-64, illus., tables, map. **Title tr.:** Plankton of the Swedish Expedition to Spitzbergen 1908.

Survey of planktonic conditions, in Ice Fiord, July-Aug. 1908, with a list and descriptions of some samples taken. Includes a list, with descriptions, of seventeen (including three new species of Peridinium (protozoans).

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2206. BROCH, HJALMAR, 1882- . Spongia, Coelenterata and Actiniaria. Bergen, John Grieg, 1936. 5 p. (*Maud Expedition, 1918-1925. Scientific results*, v. 5, no. 18)

List, with localities and some remarks, of nine species of sponges, hydroids and sea anemones collected in the Laptev and East Siberian Seas; bibliography (5 items).

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2207. BROCH, HJALMAR, 1882- . Stylasteridae. Copenhagen, B. Luno, 1914. 2 p. 1., 26 p. illus., 5 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 5)

Based on specimens collected by the cruiser *Ingolf* and on museum specimens; descriptions, localities, systematic

position, and zoogeographical remarks on four species of hydrocorals, two of which are reported from Denmark Strait; with a bibliography (30 items).

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2208. BROCH, HJALMAR, 1882- . Die von dem norwegischen Fischereidampfer "Michael Sars" in den Jahren 1900-1902 in dem Nordmeer gesammelten Hydroiden. Bergen, J. Grieg, 1904. 14 p. fold. table. (Bergen, Norway. Museum. Aarbok, 1903. No. 9) *Title tr.:* Hydroids collected by the Norwegian fishery-steamer, *Michael Sars*, 1900-1902 in northern seas.

Annotated list of thirty-eight (including two new) species from Greenland Sea and Svalbard waters and one species from Denmark Strait, representing material collected from stations in Denmark Strait, Jan Mayen and Bear Island waters in 1900, Kings Bay and Green Harbour, West Spitsbergen in 1901, and North Atlantic waters in 1902. Includes a distributional table and a bibliography (15 items).

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BROCH, HJALMAR, 1882- , see also Jungersen, H. F. E. *Anthomastus. Ingolf-exped. 1927.*

BROCH, HJALMAR, 1882- , see also Sivertsen, E., & others. Crustacea. Folden Fiord, pt. 5. 1927.

2209. BROCH, O. J., and others. På ski over den sydøstlige del av Spitsbergen. (Norsk geografisk tidsskrift, 1928-29, pub. 1929. Bd. 2, p. 240-55, illus., sketch map) *Other authors:* Eyvind Fjeld; Arne Høygaard. Issued also as Norges Svalbard- og Ishavsundersøkelser. Meddelelse nr. 4. *Title tr.:* A ski trip across the southeastern part of Spitsbergen.

Report of a ski expedition made by O. J. Broch, Eyvind Fjeld and Arne Høygaard to make geographical investigations of the southeast part of West Spitsbergen. Description of preparations and supplies and day-to-day account of the trip from Van Keulen Bay to Horn Sound; north to Temple Bay (inner Ice Fiord) and thence to Longyear City; with remarks on a map prepared by the participants.

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2210. BROCK, REGINALD WALTER, 1874-1935. The Hudson Bay route. Observations made in connexion with the

trip of His Excellency the Governor General, Earl Grey, to Hudson Bay. (Canada. Geological Survey. Summary report, 1910, pub. 1911. p. 14-26)

Forming part of the Geological Survey director's report, this paper gives a description of the route from Norway House to York Factory, with notes on the climate, agriculture, flora and fauna, and geology; a general description of Hudson Bay, the fishes, and season of navigation.

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2211. BROCK, REGINALD WALTER, 1874-1935. Yukon Territory. (Canada. Geological Survey. Summary report, 1909, pub. 1910. p. 14-26)

This part of the report of the director describes a visit of inspection to the gold and copper claims at Carcross, Whitehorse, Klondike, and White River districts, with a note on occurrence of copper.

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BROCK, REGINALD WALTER, 1874-1935, see also Canada. Geological Survey. Descriptive sketch geology & economic minerals. 1909.

2212. BROCKAMP, BERNHARD, 1902- . Beobachtungen von Aufgleitwolken in Grönland. (Meteorologische Zeitschrift, Nov. 1936. Bd. 53, p. 427-30, illus., plate) *Title tr.:* Observations on clouds in Greenland.

"Based on two unusually fine lenticular clouds observed during the Wegener Expedition." *Copy seen:* DA.

2213. BROCKAMP, BERNHARD, 1902- . Die Mächtigkeit des grönländischen Inlandeises. (Zeitschrift für Gletscherkunde, 1935. Bd. 23, p. 277-85) *Title tr.:* The thickness of Greenland's inland ice.

A restatement and discussion of E. Sorge's seismic research and results on the measurement of thickness of the inland ice during the German Greenland Expedition of Alfred Wegener.

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2214. BROCKAMP, BERNHARD, 1902- . Über den jährlich Zutrag in 120 und 62 km. Randabstand. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1935. Bd. 3, p. 52-61, illus.) *Title tr.:* The annual accretion in 120 and 62 km. borderlines. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931).

Contains a discussion of the average amount of snow accumulated by the inland ice over and above the loss through melting, etc. Includes studies of the layers as exposed in crevasses and shafts, and remarks on "red snow" and dust on snow. *Copy seen:* DLC.

2215. BROCKAMP, BERNHARD, 1902-
Überlegungen zur Temperaturverteilung im Inlandeis auf Grund seismischer Ergebnisse. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1935. Bd. 3, p. 41-51) *Title tr.:* Reflections upon the temperature distribution within the inland ice, based on seismic results. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931).

Direct measurements of temperature were made by means of a shaft bored into the ice to a depth of twenty to thirty meters. Measurements by an indirect seismic method are treated in the author's *Die seismischen Ergebnisse auf der Hauptexpedition* 1933, q.v. (especially p. 84-85). In this paper he discusses more fully the theory and results of his work, gives the formulae for rigidity, elasticity and compressibility moduli used to arrive at temperature values based on speed of sound in the ice, and remarks upon this method.

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2216. BROCKAMP, BERNHARD, 1902-, and **KURT WÖLCKEN.** Die seismischen Ergebnisse auf der Hauptexpedition zwischen Weststation und 120 km. Randabstand. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1933. Bd. 2, p. 1-123, incl. 45 p. of diags.) *Title tr.:* The seismic results of the main expedition, between West Station and the 120 km. borderline. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931).

Contents tr.: 1. The original seismic curve (Seismograms for various stations)

2. Brockamp, B., and K. Wölcken. The continuous time curves and measurement of ice thickness between West Station and 120 km. borderline. (Includes description of methods of taking measurements of thickness of the ice; results of observations of continuous time curve, and the reflections)

3. Brockamp, B. Supplementary research (Surface form and subsurface

rock, the period of direct and reflected longitudinal waves, amplitude and angle of direct and reflected waves, transverse and surface waves).

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BROCKAMP, BERNHARD, 1902-
see also Gesellschaft für Erdkunde Berlin. Deutsche Grönland-Exped. 1929-31. 1932.

2217. BROCKLISS, RAMONA PARK. Vanishing Aleutian art. (Alaska life, Feb. 1941. v. 4, no. 2, p. 13-14, illus.)

Account of finely-woven grass baskets, from a rather scarce grass of the Atka Island region, and remarks on the Aleut art of weaving, now known only to a few of the older women.

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2218. BRODDESSON, OTTO EDWARD, 1880- Om de skandinaviska formerna af *Scirpus caespitosus*. (Botaniska notiser, 1912, häfte 2, p. 81-94, illus.) *Title tr.:* On Scandinavia forms of *Scirpus caespitosus*.

Contains critical notes and data on geographic distribution in Scandinavia, of two subspecies of *Scirpus caespitosus*, including subsp. *austriacus* native to arctic regions of Sweden and Norway.

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2219. BRODERIP, W. J., and G. B. SOWERBY. Observations on new or interesting Mollusca contained, for the most part, in the Museum of the Zoological Society. (Zoological journal. Oct. 1828-Jan. 1829. v. 4, no. 15, p. 359-79, col. plates)

Contains a list, with descriptions and discussion, of molluscs, some new, collected by Lieut. Belcher of the Beechey voyage, 1825-28, including several from the northwest coast of Alaska near Icy Cape, and at least one from Avacha Bay, Kamchatka. *Copy seen:* DLC.

2220. BRØGGER, ANTON WILHELM, 1884- Dommen i Haag. Oslo. H. Aschehoug & Co., 1933. 128 p. *Title tr.:* The decision in The Hague.

Condensed translation (with explanatory remarks) and the author's comments, of: Hague. Permanent Court of International Justice. *Statut juridique du Groënland oriental . . . Legal status of Greenland*, Leyde, 1933, also published in Norwegian as: *Haagdommen af 5. april 1933 om Østgrønlands retsstilling*, 1933. (copies in DLC).

Copy seen: DLC.

2221. BRØGGER, ANTON WILHELM, 1884- . Handlingsens dag. Tale ved minnefesten for polarfarerne. (Polar-årboken, 1935. p. 19-23, illus.) *Title tr.*: The day of achievement. Speech delivered at the memorial meeting for the explorers of the polar regions.

Tribute to great explorers and their unnamed assistants.

Copy seen: NN.

2222. BRØGGER, ANTON WILHELM, 1884- . Vinlandsferdene. Oslo, Gyldendal Norsk forlag, 1937. 193, [14] p. front. (port.) plates, maps (part fold.) facsim. *Title tr.*: The voyages to Vinland. Translated into German as: Winlandfahrt. Wikingen entdeckten Amerika, 1939.

Survey of Icelandic sagas and other historical records of Norse voyages to America; archeological investigations in regions of Greenland and America visited by Norsemen; influence of Norsemen's experience on later explorers.

Copy seen: NN (Norwegian & German).

2223. BRØGGER, ANTON WILHELM, 1884- . Vinlandsferdene. (Norsk geografisk tidsskrift, 1936-37, pub. 1937. Bd. 6, p. 65-85, sketch map) *Title tr.*: The Vinland voyages.

Contains discussion of the Norsemen's voyages to "Wine Land" and "Markland", based on source materials and works of later writers; remarks on the historian Torfaeus Thormodus (Tormod Torfason) and his *Historica Vinlandiae antiquae*, 1705.

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2224. BRØGGER, WALDEMAR CHRISTOPHER, 1851-1940. Landets høide over havet under den store nedisning. (In his: *Om de senglaciale og postglaciale vivåforandringer i Kristiania-feltet*, Kristiania, H. Aschehoug & Co., 1900-1901. p. 86-100) *Title tr.*: The elevation of the country (Norway) during the ice age.

Contains discussion of a possible subsidence of the ocean floor between Iceland and Jan Mayen, based on the finding of shallow-water shells in the deep sea there; also discussion (negative) on the possible occurrence of the shells through transportation of ice; with reproduction of letters on the subject by Adolf Severin Jensen and Fridtjof Nansen.

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2225. BRØGGER, WALDEMAR CHRISTOPHER, 1851-1940, and N. ROLFSEN. Fridtjof Nansen, 1861-1893, by W. C. Brøgger and Nordahl Rolfsen, tr. by William Archer. London, New York and Bombay, Longmans, Green and Co., 1896. x, 402 p. front., illus., 3 plates, ports., 3 maps. Published in Norwegian, Oslo, 1896, 274 p. (copy at ICJ); in Danish, København, 1896 (copy at MH); in German, Berlin, 1896 (copy at MH; WHI).

Biography, with chapters describing Greenland, the ice age, arctic expeditions from the earliest times, the contribution of Norwegian seamen to arctic geography, the Norwegian Greenland Expedition, 1888 and the First Fram Expedition, 1898-1902.

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2226. BRØNDSTED, HOLGER VALDEMAR, 1893- . The Godthaab Expedition 1928. Porifera. København, C. A. Reitzel, 1933. 25 p. illus., maps. (Meddelelser om Grønland. Bd. 79, nr. 5)

List, with synonymy, localities, remarks, of thirty-nine (including three new) species of sponges collected in the waters west of Greenland and in the Labrador Sea; with zoogeographical remarks and list of stations. Bibliography, p. 24-25. *Copy seen*: DLC.

2227. BRØNDSTED, HOLGER VALDEMAR, 1893- . Porifera. (In: *Conspectus fauna groenlandica*, 3. del, nr. 4. Pub. in: Meddelelser om Grønland, 1914. 23. hefte, p. 457-544)

Annotated list, with synonymy, references to literature, localities, etc., of about one hundred fifty species of sponges from Greenland waters; bibliography, p. 539-44.

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2228. BRØNDSTED, HOLGER VALDEMAR, 1893- . Porifera. (København, C. A. Reitzel, 1933. 9, [1] p. (Meddelelser om Grønland. Bd. 104, nr. 12)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land. Annotated list, with geographic and bathymetric distribution, of twenty-one species of sponges from Kangerdlugssuak (with a few from Mikis Fiord), of which six are new to East Greenland.

Copy seen: DGS; DSI-M.

2229. BRØNDSTED, HOLGER VAL-DEMAR, 1893- . Report on the Porifera collected by the *Danmark Expedition* at north-east Greenland. *Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908*. Bd. 3, nr. 17. (Meddelelser om Grønland, 1917. Bd. 43, p. 473-83, 2 plates)

List, with synonymy, locations, depths, and distribution, of twelve (including with descriptions three new) species of sponges, from the shallower waters of the Dove Bay area, and off Cape Bismarck. Bibliography.

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2230. BRØNLUND, JØRGEN, 1877-1907. Jørgen Brønlund's dagbog i tidsrummet fra 1. maj-19. oktober, 1907; den i Danmarks Havn i foråret 1908 foreløbigt udarbejdede oversættelse. (Publikationer om Østgrønland, 1934. nr. 1, p. 48-60) *Title tr.:* Jørgen Brønlund's diary for the period May 1-Oct. 19, 1907; preliminary translation made in Danmark Harbor during the spring of 1908.

Translation of the diary written in Eskimo dialect by Brønlund while on the *Danmark Expedition's* sledge party with Mylius-Erichsen and Hagen, all of whom perished returning to the base camp from an exploratory trip to Peary Land. Describes daily life on the trip; the party's stranding in Danmark Fiord and summering there; camping on the ice; unsuccessful attempt to return to the ship in August and via the inland ice in October. Explanatory remarks are added by Alf Trolle.

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BRØNLUND, JØRGEN, 1877-1907, *see also* Amstrup, G. C. Report *Danmark Exped. 1906-08. 1913.*

BRØNLUND, JØRGEN, 1877-1907, *see also* Friis, A. *Danmark eksped. til Grønlands nordøstkyst. 1909.*

BRØNLUND, NIKOLAJ ISAK JØRGEN, 1877-1907, *see* Brønlund, Jørgen, 1877-1907.

2231. BRØSTE, K., and K. FISCHER-MØLLER. The mediaeval Norsemen at Gardar; anthropological investigation, by K. Brøste and K. Fischer-Møller; with dental notes and a chapter on the dentition, by P. O. Pedersen. København, C. A. Reitzel, 1944. 62 p., 1 l. 12 illus., (incl. map) 30 plates (Meddelelser om Grønland, Bd. 89, nr. 3)

Descriptions and measurements of a 12th century skeleton, excavated during P. Nørland and A. Roussell's archaeological investigations in 1926 on the site of "Gardar", the Norse episcopal seat in "Østerbygden" (Eastern Settlement) in the present Julianehaab District; also discussion of the teeth and their surrounding structure, by P. O. Pedersen and general remarks on Norse medieval settlers in Greenland. Bibliography, p. 60-62.

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2232. BROKE, HORATIO GEORGE. With sack and stock in Alaska. London and New York, Longmans, Green, and Co., 1891. xi, 158 p. 2 fold. maps.

Account of an attempt to climb Mt. St. Elias in 1888.

Copy seen: DLC; NNSf.

2233. BRONNER, F. EYOLF. Contributions to the geology. (*In:* Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 211-24, illus., sketch map)

Based on observations made during the Louise A. Boyd Arctic Expedition, 1938. Notes on Ile de France (surface rocks), the petrographic relations and geologic history of Store (Great) Koldewey Island, and the petrology of the hitherto uncharted island east of Orientering Islands, of which the author made a compass and aneroid survey.

Map: geologic sketch map of southern Orientering Island.

Copy seen: DLC; NNA.

2234. BRONSHTEIN, B. A. Kamchatkaia ekspeditziia Akademii nauk. (Sovetskaiia Arktika, 1936, no. 5, p. 61-66, illus.) *Title tr.:* Kamchatka Expedition of the Academy of Sciences.

Description of work of the soil-botanical, geological, volcanological, and photogrammetric survey parties of the first Kamchatka Complex Expedition in 1935. One of the main tasks of this expedition was to study physical geographical conditions in the central part of the peninsula, along the Kamchatka River (55°35'N. 159°39'E.) in the Bolsheretsk region, and the Bystraiia River basin (ca. 53°N. 156°E.) from the viewpoint of their suitability for agricultural development.

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2235. BRONSHTEIN, B. A. Kamchatkaia kompleksnaia ekspeditziia. (Aka-

demiiã nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Seriiã nauchno-populiãrnoiã. Na Kamchatke 1936. p. 15-32, illus., (fold plate, ports) *Title tr.*: Kamchatka Complex Expedition.

Short description of Kamchatka Peninsula and some information on the Kamchatka Complex Expedition, 1935, organized by the Academy of Sciences of U.S.S.R. for the purpose of studying the nature and various possibilities offered by the region.

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2236. BRONSHTEIN, K. G. Po voprosu o pol'zovanii magnitnym kompasom v Arktike. (Severnyi morskoi put', 1937. No. 8, p. 67-72, diagrs.) *Title tr.*: On the use of the magnetic compass in the Arctic.

A discussion of magnetic deviation and of methods of corrective calculations.

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2237. BRONSHTEIN, K. G. Poliãrnye siãniã na Postoiãnoii poliãrnoi geofizicheskoi observatorii "Matochkin Shar". (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1932, no. 1, p. 137-43) *Title tr.*: Auroras observed by the Permanent Polar Geophysical Observatory "Matochkin Shar" [Novaya Zemlya].

Data based on observations made during the winter 1929-30.

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2238. BRONSHTEIN, Z. S. Klass Pantopoda-Piknogony; klass Brachiopoda-Plechenogie. (In: Gaevskaiã-Sokolova, N. S., and others. Opreditel' fauny i flory, 1948. p. 344-51 illus., plates 92-94; p. 461-62, plate 119) *Title tr.*: Classes Pantopoda and Brachiopoda.

Contains data on the morphology of marine pycnogonids (Pantopoda-Pycnogonidae) and brachiopods of the arctic seas of the U.S.S.R.; and keys for determination of families and genera of these classes.

Copy seen: DLC; MH-Z.

2239. BRONTMAN, LAZAR' KONSTANTINOVICH. Na vershine mira. Moskva, Gos. izd-vo "Khudozhestvennaiã literatura". 1938. 228 [1] p., 1 l., illus. *Title tr.*: On the top of the world. Also published in English translation with title as above, q.v.

Narrative on the U.S.S.R. Expedition to the North Pole with a description of the planes' flights thither, and short

day-to-day notes of the author's ten-day sojourn at the North Pole, in June 1937.

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2240. BRONTMAN, LAZAR' KONSTANTINOVICH. On top of the world; the Soviet expedition to the North Pole, 1937. Edited and with a foreword by Academician O. J. Schmidt. London, V. Gollancz, 1938. 287 p. 24 plates, sketch maps (1 fold.)

A translation of the author's *Na vershine mira*, q.v., with new material consisting of a foreword, a chapter of the radio messages sent by the ice-floe Drifting Station "North Pole" from June 6 to Sept. 28, 1937, and an appendix listing the equipment of the station. The messages contain scientific data.

The account of the rescue in the New York edition is not included here.

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2241. BRONTMAN, LAZAR' KONSTANTINOVICH. On top of the world; the Soviet expedition to the North Pole, 1937-1938. With a foreword by Professor Otto Y. Schmidt. New York, Covici, Friede [1938] 343 p. 8 plates, sketch maps.

A translation of the author's *Na vershine mira*, q.v. The foreword, six chapters (p. 238-338), and an appendix listing the equipment of the drifting station have been added. The new chapters tell the story of the ice-floe Drifting Station "North Pole" from the time the planes left (June 6, 1937) till its rescue on Feb. 19, 1938, by the ice-breakers *Taimyr* and *Murman*, at 70°54'N. 19°48'W. The numerous radio messages given include scientific data. The account of the rescue is not in the London edition.

Copy seen: DLC.

2242. BRONZOV, A. Ia. Lugovye fondy Sibirskogo Severa. (In: Eikhfel'd, I. G., and N. Ia. Chmora, editors. Sel'skokhoziaistvennoe osvoenie Kraïnego Severa, 1937. Pub. as Vsesoiuznaiã akademiã s.-kh. nauk. Trudy. Vyp. 13, p. 220-24) *Title tr.*: Meadow resources of the Siberian North.

Information on the water meadows as natural resources ("green gold of Siberia"), especially in the Ob River basin, and discussion of the possibility of their utilization.

Copy seen: DLC.

2243. BROOKFIELD, R. M. Report. (In: U. S. Adjutant General's Office. Military Information Division. Reports

of explorations in the Territory of Alaska [etc.] 1898, *pub.* 1899. p. 389-401) Reprinted in: U. S. Congress. Senate Committee on Military Affairs. Compilation of narratives of explorations in Alaska. 1900. p. 593-99.

An account of the crossing of Valdez Glacier, as part of the U. S. Military Exploring Expedition no. 2, and survey of the pass called by the author "Bates Pass."

Copy seen: DGS.

2244. BROOKS, ALFRED HULSE, 1871-1924. Alaska coal and its utilization. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1909. Bulletin, 1910. No. 442, p. 47-100, fold. map)

Contains notes on geologic distribution of coal, its composition, areas of lands and fields, and tonnage estimates; descriptions of the coal fields: Southeast Alaska, Bering River, Copper River, Matanuska, Susitna basin, Alaska Peninsula, Yukon region, Kuskokwim basin and Bering Sea coast, Seward Peninsula, and northern Alaska. Mining developments, costs and markets, with a discussion of competition between Alaska coal and other fuels. Description of the coal fields, their availability as a source of fuel, and the possible market, drawn from data in U. S. Geological Survey publications; bibliography.

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2245. BROOKS, ALFRED HULSE, 1871-1924. The Alaskan range; a new field for the mountaineer. (American Geographical Society, N. Y. Bulletin, Aug. 1905. v. 37, p. 468-79, illus.)

A description (for the general reader) of the beauties, the early history, and exploration, and attempts to ascend major peaks, in the Alaskan Range.

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2246. BROOKS, ALFRED HULSE, 1871-1924. Antimony deposits of Alaska. Washington, U. S. Govt. Print. Off., 1916. 67 p. illus., 3 plates incl. 2 fold. maps (1 in pocket) (U. S. Geological Survey. Bulletin 649)

Contains a report on the geology, distribution (with map), mode of occurrence, mines and prospects of the ores in Fairbanks district, Lower Yukon and Kuskokwim region, Seward Peninsula, Prince William Sound and Kenai Peninsula, also miscellaneous localities.

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2247. BROOKS, ALFRED HULSE, 1871-1924. The Bluff region. (*In:* Collier, A. J., and others. The gold placers of parts of Seward Peninsula. U. S. Geological Survey. Bulletin, 1908. No. 328, p. 283-93)

Notes on the topography, geology, and placers of a region on the southern coast of Seward Peninsula, defined as including streams tributary to Norton Sound from Topkok Head to Koyana Creek (163°40'-164°W.).

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2248. BROOKS, ALFRED HULSE, 1871-1924. The Circle precinct. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1906. Bulletin, 1907. No. 314, p. 187-204)

Notes, based on the writer's observations in 1906, in the Birch Creek district, on the general geology, and development of gold on Birch Creek tributaries, and of gold and coal on the creeks tributary to Yukon River.

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2249. BROOKS, ALFRED HULSE, 1871-1924. The coal resources of Alaska. (U. S. Geological Survey. Annual report, 1900-1901, *pub.* 1902. v. 22, pt. 3, p. 515-71, double-face map, fold. table)

Contains a compilation of parts of W. H. Dall's *Report on coal and lignite of Alaska*, 1896, and others, showing the geological relationships of the distribution of coal-bearing rocks (with map). Description of Cretaceous and Tertiary rocks; the coal of southeastern and southwestern Alaska (Susitna River, Kenai Peninsula, Kodiak Island, Alaska Peninsula, Shumagin and Aleutian Islands), the Kuskokwim region, the Yukon basin, and northwestern Alaska; with notes on the character of the coals, and the historic development of coals.

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2250. BROOKS, ALFRED HULSE, 1871-1924. The distribution of mineral resources in Alaska. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1907. Bulletin, 1908. No. 345, p. 18-29, fold. map, tables)

"Represents the first attempt to deal with the general problem of the distribution and genesis of the mineral deposits." Includes tables of analyses of coal, and tests of petroleum; discussion of gold and copper.

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2251. BROOKS, ALFRED HULSE, 1871-1924. An exploration to Mount McKinley, America's highest mountain. (Smithsonian Institution. Annual report, 1903, pub. 1904. p. 407-425, 11 plates) Reprinted from the Journal of geography, Nov. 1903. v. 2, no. 9.

Account of an exploratory trip made by the author with a small party, for the U. S. Geological Survey, from Cook Inlet, along the Alaskan Range, and by the Cantwell (Nenana) River to the Yukon, May-Sept. 1902.

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2252. BROOKS, ALFRED HULSE, 1871-1924. The future of Alaska. (Association of American Geographers. Annals, 1925. v. 15, p. 163-79, illus.) General description of Alaska's climate, vegetation, natural resources, etc.

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2253. BROOKS, ALFRED HULSE, 1871-1924. The geography and geology of Alaska; a summary of existing knowledge, by Alfred H. Brooks; with a section on climate, by Cleveland Abbe, Jr., and a topographic map and description thereof, by R. U. Goode. Washington, U. S. Govt. Print. Off., 1906. 327 p. 34 plates (part fold., incl. 12 maps) diags. (U. S. Geological Survey. Professional paper no. 45. Ser. B, Descriptive geology, 75; F, Geography, 46) Issued also as House doc. 201, 59th Cong., 1st sess.

Contents: Introduction and descriptive geography (coastal features and islands, fiords, mountains, and drainage) p. 11-103.

History of explorations and surveys, p. 104-132.

ABBE, CLEVELAND. Climate, p. 133-200. Geology (stratigraphy, structure, geologic history, geomorphology) p. 200-296. Goode, R. U. Description of topographic map of Alaska, p. 296-98. Bibliography, p. 298-308. Index, p. 309-327.

The paper by Abbe appears in this Bibliography under its author's name.

Maps include a topographic map of Alaska, contour interval 1000 ft., scale 1:2,500,000.

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2254. BROOKS, ALFRED HULSE, 1871-1924. Geography in the development of the Alaskan coal deposits. (Association of American Geographers. Annals, 1911. v. 1, p. 85-94, sketch map)

Discussion of the commercial value of coal and its factors, the coal provinces in Alaska and competition in the fuels market.

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2255. BROOKS, ALFRED HULSE, 1871-1924. Geologic features of Alaskan metalliferous lodes. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1910. Bulletin, 1911. no. 480, p. 43-93, illus., 4 fold. maps)

A summary of salient geologic features showing the relation of deposits of different parts of Alaska to one another; based on published reports of the U. S. Geological Survey, with a bibliography. Gives descriptions of the geographic and geologic distribution of lodes, the geologic history, and the ore deposits (gold, copper, silver, lead, and zinc, tin and tungsten, iron, antimony, and other metallic minerals).

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2256. BROOKS, ALFRED HULSE, 1871-1924. Geological reconnaissance in southeastern Alaska. (Geological Society of America. Bulletin, Aug. 1902. v. 13, p. 253-66)

Contains notes on the geography and stratigraphy of the Ketchikan mining district and other parts of southeastern Alaska, based on observations made in 1901 for the U. S. Geological Survey.

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2257. BROOKS, ALFRED HULSE, 1871-1924. Ground frost in Alaska. (Engineering and mining journal, Sept. 15, 1917. v. 104, p. 491)

Brief note on wide distribution of permafrost in Central Alaska and Seward Peninsula.

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2258. BROOKS, ALFRED HULSE, 1871-1924. The investigation of Alaska's mineral wealth. (American Geographical Society, N. Y. Bulletin, Jan. 1905. v. 37, p. 26-40)

General historical sketch of exploration of resources of Alaska, and account of the U. S. Geological Survey's efforts.

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2259. BROOKS, ALFRED HULSE, 1871-1924. The investigation of Alaska's mineral wealth. (American Institute of Mining Engineers. Transactions, 1904, pub. 1905, v. 35, p. 376-96)

Outline (in brief) of the operations of the U. S. Geological Survey in Alaska, with a list of publications, 1891-

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1904.

2260. BROOKS, ALFRED HULSE, 1871-1924. The Kougarak region. (*In*: Collier, A. J., and others. The gold placers of parts of Seward Peninsula. U. S. Geological Survey. Bulletin, 1908. no. 328, p. 294-328, illus.) Abstract of this paper was published in U. S. Geological Survey, Mineral resources of Alaska in 1906, *pub.* 1907.

Contains descriptions of the topography, geology, mining development of placer gold, and auriferous gravel distribution of a region in the central part of Seward Peninsula, drained by the Kougarak and Kuzitrin Rivers (65°15'-65°45'N., 164°05'-165°15'W.)

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2261. BROOKS, ALFRED HULSE, 1871-1924. Mineral resources of Alaska. (*In*: U. S. Geological Survey. Papers on the conservation of mineral resources. Bulletin, 1909. No. 394, p. 172-207, fold. map) Issued originally as part of the Report of the National Conservation Commission, 1909. U. S. Congress, 60th, 2d sess. Senate. Doc. no. 676.

Description of coal, gold, and other minerals with remarks on water resources.

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2262. BROOKS, ALFRED HULSE, 1871-1924. Placer mining in Alaska in 1903. (*In*: U. S. Geological Survey. Contributions to economic geology, 1903. Bulletin, 1904. No. 225, p. 43-59)

A survey of progress made in the southeastern Alaska, Kuskokwim and Mt. McKinley, Seward Peninsula, and Yukon basin regions, with notes on output, costs, the new telegraph line, and other improvements.

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2263. BROOKS, ALFRED HULSE, 1871-1924. Placer mining in Alaska in 1904. (*In*: U. S. Geological Survey. Mineral resources of Alaska in 1904. Bulletin, 1905. No. 259, p. 18-31)

Contains an estimate of annual production, 1899-1904; description of mining for 1904 in the Seward Peninsula, Kobuk River, Yukon River, Cook Inlet, and Copper River regions.

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2264. BROOKS, ALFRED HULSE, 1871-1924. Preliminary report on the Ketchikan mining district, Alaska, with an introductory sketch of the geology of southeastern Alaska. (Washington, U. S. Govt. Print. Off., 1902. 120 p.

illus., 2 maps. U. S. Geological Survey. Professional paper no. 1: ser. A, Economic geology, 16; B, Descriptive geology, 20)

Contents: Introduction, p. 11-13. Sketch of the geology of southeastern Alaska (stratigraphy and glacial phenomena), p. 14-35. The Ketchikan mining district (history, geology, description of the minerals, of the gold, copper and silver claims and mines by locality, coal, building stone and lime, climate and timber), p. 35-116.

Maps: geologic sketch map of Southeast Alaska; geologic reconnaissance map of part of Ketchikan mining district; six sketch maps of various localities showing claims.

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2265. BROOKS, ALFRED HULSE, 1871-1924. Railway routes. (*In*: U. S. Geological Survey. Mineral resources of Alaska in 1905. Bulletin 1906. No. 284, p. 10-17, 8 plates)

A summary of possible routes, with discussion of the need for opening up various parts of Alaska.

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2266. BROOKS, ALFRED HULSE, 1871-1924. Railway routes from the Pacific seaboard to Fairbanks. (*In*: U. S. Geological Survey. Mineral resources of Alaska in 1911. Bulletin, 1912. No. 520, p. 45-88, 2 fold. maps, fold. diagr.)

Summary of data from various U. S. government sources, with a bibliography. Includes notes on cost of construction, commercial and geographic conditions affecting location, and descriptions of principal routes.

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2267. BROOKS, ALFRED HULSE, 1871-1924. A reconnaissance from Pyramid Harbor to Eagle City, Alaska, including a description of the copper deposits of the upper White and Tanana Rivers. (U. S. Geological Survey. Annual report, 1899-1900, *pub.* 1900. v. 21, pt. 2, p. 331-91, 11 plates (incl. 5 maps))

The geologist's report of a U. S. Geological Survey exploring expedition in 1899, under W. J. Peters, topographer. Itinerary: from head of Lynn Canal up Dalton Trail to Kaskowulsh, thence to Lake Klauane, Donjek River, Kluthlan Glacier, Nutzotin Mts., Tetling, Franklin Gulch and Eagle City. The

report includes notes on topography and drainage (including White, Tanana, and Fortymile Rivers) and on the physiography. Description of geologic formations, glacial phenomena, and ground ice, with geological summary; mineral resources (gold, copper, and coal). Routes and methods of traveling (Dalton Trail, routes to upper White and upper Tanana Rivers and railway routes). Timber, game, climate and Indians. Index at end of volume.

Maps include: Route from Lynn Canal to Eagle City (contour interval 500 ft., scale 1:625,000).

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2268. BROOKS, ALFRED HULSE, 1871-1924. A reconnaissance in the Tanana and White River basins, Alaska, in 1898. (U. S. Geological Survey. Annual report, 1898-99, *pub.* 1900. v. 20, pt. 7, p. 425-94, 3 plates, 4 fold. maps)

Report from the geologist of a U. S. Geological Survey field party under W. J. Peters, topographer. Itinerary: Skagway, Bennett City, B. C., Marsh Lake, Whitehorse rapids, Lake Laberge, Lewis River, up the White River and Snag River, portage to Tanana River and thence to its mouth. Includes notes on previous exploration; description of routes and means of transportation, topography and drainage, and physiographic development. Chapters on geology (description of the series, summary of stratigraphic and structural geology, and correlation); resources (gold, copper, and coal) agriculture and climate; inhabitants (Tanana Indians).

Index for entire volume, p. 495-509.

Maps include topographic map, and two geological reconnaissance maps (one with a section) of portions of White and Tanana Rivers.

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2269. BROOKS, ALFRED HULSE, 1871-1924, and others. A reconnaissance of the Cape Nome and adjacent gold fields of Seward Peninsula Alaska, in 1900. (*In:* U. S. Geological Survey. Reconnaissances in the Cape Nome and Norton Bay regions, Alaska, in 1900, *pub.* 1901. p. 1-180, illus., 17 plates (incl. 6 maps, 1 fold.)) *Other authors:* G. B. Richardson and A. J. Collier.

Report of a U. S. Geological Survey party under A. H. Brooks, to make geologic and topographic investigations west of Fish River on the southern part

of Seward Peninsula. It contains geographical notes (with maps) on the peninsula as a whole, also on the southern half, including the Kigluaiik and Bendeleben Mts., the Imurak basin and Fish, Kruzgamepa and Kuzitrin Rivers. Remarks on general geology (with maps): sedimentary and igneous rocks, structure, and physiography. Economic geology: regional descriptions (Nome, Cripple and Penny River, Sinuk, Eldorado, Bonanza, Solomon, Niukluk, Kruzgamepa, and Kugruk basins, Topkok and York); data on distribution, source, and classification of gold placers; notes on mining methods. Appended is: Climatic notes [with tables] and notes on vegetation [with list of 79 species], by A. J. Collier; *also:* Topographic survey of Nome region, with table of approximate distances, by E. C. Barnard.

Appendix: Description of boundaries of the various (claim) recording districts in Cape Nome gold fields.

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2270. BROOKS, ALFRED HULSE, 1871-1924. The value of Alaska (Geographical review, Jan. 1925. v. 15, p. 25-50, illus. (incl. diagrs.) fold., col. plate (3 inset maps))

Résumé of the natural resources, with three map representations of land classification and fisheries, transportation and water power, and distribution of mineral deposits.

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2271. BROOKS, ALFRED HULSE, 1871-1924, and E. M. KINDLE. Paleozoic and associated rocks of the upper Yukon, Alaska. (Geological Society of America. Bulletin, Oct. 1908. v. 19, p. 255-314, 2 plates)

Results of field studies during 1906, in the area 141°-152°W. and from the Tanana River northward to about the 67° parallel, including regions drained by the Porcupine, Yukon, and Tanana Rivers. Describes the stratigraphy, structure, and geologic history, and gives lists of fossils from various localities.

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2272. BROOKS, ALFRED HULSE, 1871-1924, and L. M. PRINDLE. The Mount McKinley region, Alaska, by Alfred H. Brooks, with descriptions of the igneous rocks and of the Bonifield and Kantishna districts, by L. M. Prindle. Washington, U. S. Govt. Print. Off., 1911. 234 p. illus., 18 plates (part

fold., incl. 6 maps) fold. tables. (U. S. Geological Survey. Professional paper 70)

Report of a U. S. Geological Survey geologic and topographic reconnaissance in charge of the author, 1902, with additional later information for the geologist, prospector, hunter, and settler. Contains notes on equipment and methods, and a narrative of the 1902 expedition; description of the topographic survey in 1902 by D. L. Raeburn, and of the surveys conducted by R. W. Porter during the second attempt by Dr. Frederick A. Cook to ascend Mt. McKinley, 1906; remarks on geographic features and topographic provinces (with map). Description (with maps) of stratigraphy, structure, geologic history, geomorphology, igneous rocks, and mineral resources (lithologic associations, metal deposits, and coal). Notes on climate, vegetation and animal life, timber (with map), flora (list of one hundred twenty-eight species) agriculture, game and hunting, population, transportation and communication.

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BROOKS, ALFRED HULSE, 1871-1924, see also Collier, A. J., & others. Gold placers Seward Pen. Alaska. 1908.

BROOKS, ALFRED HULSE, 1871-1924, see also Cook, F. A. To the top of the continent. 1908.

BROOKS, ALFRED HULSE, 1871-1924, see also Henshaw, F. F., & others. Surface water Seward Peninsula. 1913.

BROOKS, ALFRED HULSE, 1871-1924, see also Schrader, F. C., & A. H. Brooks. Prelim. report on Cape Nome gold region. 1900.

BROOKS, ALFRED HULSE, 1871-1924, see also U. S. Geological Survey. Maps & descriptions of routes exploration. Alaska 1889. 1899.

2273. BROOKS, ALLAN, 1869- . Notes on the geese of the *Branta canadensis* group. (Ibis, Apr. 1926. Ser. 12, v. 2, p. 339-46, plate)

A statement of the systematic status, based on available museum specimens, of three subspecies *Branta minima*, *B. hutchinsi*, and *B. canadensis*.

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BROOKS, ALLAN, 1869- , see also Brandt. H. Alaska bird trails. 1943. 45)

2274. BROOKS, CHARLES ERNEST PELHAM. Arctic ice and British weather. (Meteorological magazine, Oct. 1928. v. 63, p. 214-17)

Correlations between the extent of arctic ice and subsequent pressure distribution over northwestern Europe are not high but are real.

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2275. BROOKS, CHARLES ERNEST PELHAM. The east-west oscillation of the Icelandic minimum as shown by monthly pressure charts. (Meteorological magazine, Sept. 1923. v. 58, p. 173-78, diags.)

Large scale shifts in the atmospheric circulation in the Arctic are associated with the variation of the position of the "Icelandic Low".

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2276. BROOKS, CHARLES ERNEST PELHAM. Extremes of temperature. (Meteorological magazine, Aug. 1926. v. 61, p. 156-59)

Reference is made to the world's absolute minimum temperature of -94°F. at Verkhoyansk among other world record temperatures.

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2277. BROOKS, CHARLES ERNEST PELHAM. The influence of the ice in Davis Strait on the weather of the British Isles. (Meteorological magazine, Aug. 1932. v. 67, p. 153-56, illus.)

The extent of ice in Davis Strait is correlated with pressure distribution over western Europe and adjacent seas for the same year and subsequent periods.

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2278. BROOKS, CHARLES ERNEST PELHAM. The problem of warm polar climates. (Royal Meteorological Society. Quarterly journal, April 1925. v. 51, p. 83-94)

A theoretical consideration of the variability of an icecap over land and sea. The areal extent is not only affected by the change in air temperature but also by the cooling power of the ice and the horizontal gradient of the temperature.

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2279. BROOKS, CHARLES ERNEST PELHAM. The secular variation of temperature at Spitsbergen. (Meteorological magazine, July 1933. v. 68, p. 144-45)

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2280. **BROOKS, CHARLES ERNEST PELHAM.** The warming Arctic. (Meteorological magazine. Mar. 1938. v. 73, p. 29-32, illus.)

Review and discussion of R. Scherhag's *Die Erwärmung der Arktis*, 1937, q.v.: the general warming up of the Arctic since 1912 has been due largely to the strengthening of the circulation from the temperate belt. The decrease of the areal extent of ice and the subsequent lowering of the pressure in the Arctic has tended further to strengthen this circulation pattern.

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2281. **BROOKS, CHARLES ERNEST PELHAM, and WINIFRED A. QUENNEL.** The influence of arctic ice on the subsequent distribution of pressure over the eastern North Atlantic and western Europe. London, 1928. 36 p. illus., tables, diagrs. sketch chart (Great Britain. Meteorological Office. Geophysical memoirs. No. 41 (v. 5, no. 1))

Contains brief notes on the origin of arctic ice, and its movements in the North Atlantic and Greenland Sea, and a mathematical discussion of the effects of the ice; with correlation coefficients of sea ice with pressure at a number of Eurasian stations. Reviewed by A. J. Henry in *C.E.P. Brooks and W. Quennel on the influence of arctic ice*, 1929, q.v.

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BROOKS, CHARLES ERNEST PELHAM, see also Lindsay, M., & others. British Trans-Greenland Exped. 1935.

2282. **BROOKS, CHARLES FRANKLIN, 1891-** . The ice sheet of central Greenland. A review of the work of the Swiss Greenland Expedition. (Geographical review, 1923. v. 13, p. 445-53)

Discussion of the organization, work, and results of the expedition in topography, weather, and ice conditions on the icecap, as reported in Alfred de Quervain's *Ergebnisse der Schweizerischen Grönland-expedition*, 1912-1913, pub. 1920, q.v.

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2283. **BROOKS, CHARLES FRANKLIN, 1891-** . Winds and weather of central Greenland: meteorological results of the Swiss Greenland Expedition. (U. S. Weather Bureau. Monthly weather review, May 1923. v. 51, p. 256-60, diagr.)

The seasonal general circulation patterns between the icecap and coastal areas are described. The role of the icecap as a weather generating agent is explained.

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2284. **BROOKS, CHARLES FRANKLIN, 1891-** , and N. H. BANGS. Severe winter in Europe, 1928-29. (U. S. Weather Bureau. Monthly weather review, Feb. 1929. v. 57, p. 58-60)

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2285. **BROOKS, CHARLES WOLCOTT.** Report of Japanese vessels wrecked in the North Pacific Ocean, from the earliest records to the present time. (California Academy of Sciences. Proceedings, 1875. v. 5, p. 50-66, fold. map)

Sixty wrecks of Japanese junks are listed, with the location and condition of each, and the number of survivors. Includes wrecks in waters off the Aleutian Islands, Alaska, and Kamchatka. Map of North Pacific Ocean shows locations of wrecks.

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2286. **BROOKS, STANLEY TRUMAN, 1902-** , and others. Insects (Lepidoptera) and invertebrates. Pittsburgh, 1935. 1 p. l., 34, [6] p. 3 plates. (Sutton, G. M., and others. The exploration of Southampton Island, Hudson Bay. Pub. as: Pittsburgh. Carnegie Institute. Museum. Memoirs. v. 12, pt. 2, sec. 5)

Contents: 1. Brooks, S. T. Echinodermata and Mollusca. (One sea urchin and twelve marine molluscs). 2. Lepidoptera. Holland, W. J., and A. Avinoff. Rhopalocera. (Extensive notes, and some descriptions of thirteen species of butterflies). Heinrich, C. Heterocera. (Notes on thirteen, including with description, one new, species of moths.) The index for all of pt. 2 (zoology) follows this paper.

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2287. **BROOKS, WINTHROP SPRAGUE.** Notes on birds from east Siberia and arctic Alaska. (Harvard University. Museum of Comparative Zoology. Bulletin, 1915. v. 59, no. 5, p. 361-413)

Based on observations made between May 1913 and July 1914, from Petropavlovsk northward along Kamchatka Peninsula, on Bering Island, along the coasts of Chukotsk Peninsula on both sides of East Cape (mys Dezhneva), on St. Lawrence Island, and in northern

Alaska from Pt. Barrow to the Canada-Alaska boundary. An annotated list of one hundred sixty species, including a few species from southeastern Alaska and the Aleutians.

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2288. BROTHERUS, VIKTOR FERDINAND, 1849-1929. Die Moose der arktischen Küstengebietes von Sibirien, nach der Sammlung der Russischen Nordpolar-Expedition 1900-1903. S. Petersburg. 1910. 15 p. illus. (Russkaiā polārnaia ēkspeditiia, 1900-1903. Resultsats scientifiques, Sec. D. livr. 2. *Pub.* as Akademiiā nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématiques, vol. 27, no. 2) *Title tr.:* Mosses of the arctic coastal region of Siberia, from the collection of the Russian Polar Expedition, 1900-1903.

Contains a systematic enumeration of fifty-eight species of mosses collected by the members of the expedition of Baron von Toll along the eastern coast of the Kara Sea, on Taymyr Peninsula and New Siberian Islands.

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2289. BROTHERUS, VIKTOR FERDINAND, 1849-1929. Några ekskursjoner omkring Ponoi. (Botaniska notiser, 1873, no. 3, p. 74-81) *Title tr.:* Some excursions in the vicinity of Ponoy.

Contains an account of the author's exploring trips around Ponoy, eastern coast of the Kola Peninsula, with notes on general characteristics of the vegetation and various plants observed.

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2290. BROTHERUS, VIKTOR FERDINAND, 1849-1929. Undersökning af Kola-halföns norra kust. (Botaniska notiser, 1888, p. 96-100) *Title tr.:* Exploration of the northern coast of Kola Peninsula.

Contains outline of the itinerary of the author and Dr. Enwald in 1887 during the Finnish Expedition to Kola Peninsula and general data on their exploration of the Murmansk coast from Kola Bay eastward to Ponoy; with some notes on physical geography of the region explored.

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2291. BROTHERUS, VIKTOR FERDINAND, 1849-1929, and A. T. SAELAN. Musci Lapponiae Kolaënsis. Helsingforsiae, 1890. 100 p. fold. map. (Societas

pro fauna et flora fennica. Acta. v. 6, no. 4) *Title tr.:* Mosses of Kola Lapland. Issued also as: Wissenschaftliche Ergebnisse der finnischen Expeditionen nach der Halbinsel Kola in den Jahren 1887-1892. Bd. II, [pt. 1]

Result of the Finnish Expedition to Kola Peninsula, 1887, and other trips of the senior author on the peninsula. Discussion and description (in Swedish) of the moss associations of different habitats and localities of the peninsula, a tabular presentation of their distribution within Lapland, and (in Latin) a systematic enumeration, with localities, of three hundred nine species. *Copy seen:* DSI-M; MH-A.

BROTHERUS, VIKTOR FERDINAND, 1849-1929, see also Sanio, C. Harpidien d. nördlichen Finnlands. 1890.

2292. BROTSKAJA, V. A. Materialy po kolichestvennomu uchetu donnoi Sturfioda (Vostochnyi Shpit'sbergen). (Morskoi nauchnyi institut. Trudy, 1930. T. 4, vyp. 3, p. 47-61, illus. (map), diagrs.) *Title tr.:* Materials for the quantitative evaluation of the bottom fauna of the Storfjord (E. Spitsbergen).

Results of investigations of bottom fauna samples taken by the Marine Scientific Institute's research vessel, Persei, 1925. Discussion of the relative distribution of various species and some comparisons with other regions. Summary in English.

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2293. BROTSKAJA, V. A., and L. A. ZENKEVICH. Kolichestvennyi uchet donnoi fauny Barentsova moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 5-126, illus., maps, (part fold.), tables, diagrs.) *Title tr.:* Quantitative evaluation of the bottom fauna of the Barents Sea.

A study of benthos distribution based on ten years' investigations by the Institute of Marine Fisheries and Oceanography of the U.S.S.R. Contains description of methods and equipment, main components of the benthos, analysis of samples taken, discussion of the various bottom complexes in Barents Sea, and comparison with those of other areas; zoogeographical remarks. Bibliography (61 items). Summary in English. *Copy seen:* DLC.

2294. BROTSKAJA, V. A., and L. A. ZENKEVICH. Kolichestvennyi uchët donnoi fauny Cheshskoi guby. Materialy po kolichestvennomu uchetu donnoi fauny Barentsova, Belogo i Karskogo morei, No. 6. (Gosudarstvennyi okeanograficheskii institut. Trudy. Moskva, 1932. T. 2, vyp. 2, p. 41-57, maps, tables, diagrs.) *Title tr.*: A quantitative evaluation of the bottom fauna of Cheshskaya Bay. No. 6 of the Materials for the quantitative evaluation of the bottom fauna of the Barents, White, and Kara Seas.

Results of the author's investigation of 70 samples of bottom fauna collected at 28 stations by the *Persei*, in the central part of Cheshskaya Bay, 1926. Description of the bottom and hydrological régime (salinity-temperature) of the bay. Characteristics of its bottom fauna. List of about 60 species collected by the author in addition to those previously discussed by Ev. Gur'ianova in *K voprosu o sostave i raspredelenii bentosa Cheshskoi guby*, 1929, q.v. Maps show location of stations, isobaths and isohalines, and distribution of typical bottom complexes. Tables show the amount of benthos in relation to depth and nature of the bottom at the 28 stations. Summary in English.

Copy seen: NN.

BROTSKAJA, V. A., see also ZENKEVICH, L. A., & others. Materials for study of productivity White, Barents & Kara Seas. 1928.

2295. BROUGH, J., and R. H. S. ROBERTSON. Geology, geomorphology and glaciology. B. Dickson Land. C. The Sassen Valley. The Oxford University Expedition to Spitsbergen, 1933. Appendix 1. (Geographical journal, Aug. 1934. v. 84, p. 117-19)

Preliminary statement of scientific work done by the Base party, giving a geologic sketch of Dickson Land and brief mention of fossil collecting in Sassen Valley. *Copy seen:* DLC.

2296. BROWER, CHARLES DeWITT, 1863-1945. Fifty years below zero; a lifetime of adventure in the far North, by Charles D. Brower, in collaboration with Philip J. Farrelly and Lyman Anson. New York, Dodd, Mead & Co. 1942. x, 310 p. 16 plates, ports.

Life story of the "King of Point Barrow," a trader and guide in northern Alaska since 1884; with a wealth of

information on whaling and the Eskimos of the region.

Copy seen: DLC; NNS Stef.

BROWER, CHARLES DeWITT, 1863-1945, see also Bailey, A. M., & others. Birds Pt. Barrow. 1933.

BROWER, CHARLES DeWITT, 1863-1945, see also Hall, E. R. Mammals collected at Pt. Barrow. 1929.

BROWER, HELEN, see Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

BROWN, ANTHONY WILLIAM ALDRIDGE, 1911-, see Goldsmith, J. B., & others. Explor. studies control mosquitoes. 1949.

BROWN, ANTHONY WILLIAM ALDRIDGE, 1911-, see McDuffie, W. C., & others. Effectiveness DDT & other insecticides. 1949.

2297. BROWN, CHARLES. Relief features of the expedition. (*In:* U. S. Adjutant-General's Office. Military Information Division. Reports of explorations in the Territory of Alaska, 1898, pub. 1899, p. 451-55)

Subreport of quartermaster agent of U. S. Military Exploring Expedition in Alaska, 1898, giving an account of relief extended to, and construction work done by miners returning to Valdez during Aug.-Nov., with details on dangers of the Valdez Glacier route and mention of alternate route to the interior. *Copy seen:* DLC.

BROWN, CHARLES, see also U. S. Copper River Exploring Expedition. Alaska 1899 (reports on exped.) 1900.

2297A. BROWN, DOUGLAS M. The fourth Neil Douglas Glacier Expedition. (Appalachia, Dec. 1947. v. 26, p. 514-17, 2 plates)

Brief notes on investigations of glacier fronts in the Prince William Sound region, June-July 1947, for the American Geographical Society, N. Y., and on visits to interior Alaska with return by bus over the Alaska Highway from Fairbanks to Haines.

Copy seen: DGS.

BROWN, G. MALCOLM, see Brown, Malcolm, 1916-

2298. BROWN, J. STANLEY. Fur seals and the Bering Sea arbitration. (American Geographical Society, N. Y. Jour-

nal (Bulletin) Sept. 1894, v. 26, p. 326-72)

Contains a description of the Pribilof Islands, and the habits of the fur seal; an analysis and history of the decision of the Paris Tribunal of Arbitration, regarding pelagic sealing.

Copy seen: DLC.

2299. BROWN, JAMES MEIKLE. Collembola from West Spitsbergen. (Entomologist's monthly magazine, Mar. 1936. v. 72, p. 62-65)

Based on collections of the Oxford University Arctic Expedition, 1933; an annotated list, with synonyms, references, and localities, of five species of these insects.

Copy seen: DSI-M.

2300. BROWN, JAMES MEIKLE. On some Collembola from Iceland and Greenland. (Annals and magazine of natural history, Nov. 1937. Ser. 10, v. 20, p. 514-20)

List, with synonymy, localities and notes on distribution of ten species, including five from Oxford University Greenland Expedition, 1936 (west coast, 67°N.), and three from British Expedition to East Greenland, 1935-36.

Copy seen: DSI-M.

2301. BROWN, JAMES MEIKLE. Report on the Collembola collected by the Oxford University Expedition to Hudson Strait, 1931. (Annals and magazine of natural history, Oct. 1932. Ser. 10, v. 10, p. 330-40, plate)

List, with synonymy, localities and notes on distribution, of ten (including, with descriptions, one new) species from Akpatok Island and Port Burwell; followed by remarks on distribution and a table summarizing, occurrences in Alaska, Northwest Territories and Hudson Strait region; with bibliography.

Copy seen: DSI-M.

2302. BROWN, JOHN, 1797-1861. The North-West Passage, and the plans for the search for Sir John Franklin; a review. London, E. Stanford, 1858. xii, 463 p. front., 2 fold. maps.

History of expeditions to arctic North American waters, 17th-19th centuries, and a review of opinions concerning the Northwest Passage, held throughout Europe and America in the mid-nineteenth century.

Copy seen: DLC; NNSStef.

2303. BROWN, JOHN, 1797-1861. The North-West Passage, and the plans for

the search for Sir John Franklin; a review, with maps, &c . . . 2d ed., with a sequel, including the voyage of the "Fox". London, E. Stanford, 1860. 5 p. l., [ix]-xiii, 463 p., 1 l., 64 p. front., 3 maps, fold. facsim.

Another edition, to which is appended an account of M'Clintock's Expedition, 1857-59, and further discussion of the fate of the Franklin Expedition.

Copy seen: DLC; NNSStef.

BROWN, JOHN ALEXANDER HARVIE, *see* Harvie-Brown, John Alexander, 1844-1916.

2304. BROWN, JOHN W. An abridged history of Alaska. Seattle, Pub. by the author, 1909. 96 p. incl. illus., 2 maps.

Useful presentation of information for tourists on the country and its natives: (1) the Pacific coast from Seattle to Dixon Entrance; (2) the Alaska Peninsula, Aleutian Islands, tundra slopes of Bering Sea and Arctic Ocean; (3) the interior.

Copy seen: NNSStef.

BROWN, LAURENCE, 1903-, *see* Parijanine, M. *The Krassin.* 1929.

2305. BROWN, MALCOLM, 1916-, and others. Intestinal parasites of Eskimos on Southampton Island, Northwest Territories; a preliminary survey. (Canadian journal of public health, Nov. 1948. v. 39, p. 451-54) *Other authors:* R. G. Sinclair, L. B. Cronk, G. C. Clark, and E. Kuitunen-Ekbaum.

Results of Queen's University Arctic Expedition, 1947, which examined ninety-five living Eskimos and found thirty-three infected. Parasites found were two species of Protozoa, one cestode and one nematode.

Copy seen: DSG.

2306. BROWN, MALCOLM, 1916-. Medical investigation at Southampton Island. (Arctic, May 1949. v. 2, p. 70-71)

Note on work carried out by the second Queen's University Arctic Expedition 1948, which continued the investigation of morbidity rates and nutritional status of Southampton Island Eskimos, begun in 1947, and studied incidence of trichinosis.

Copy seen: CaMAI; DLC.

2307. BROWN, MALCOLM, 1916-, and others. A note on trichinosis in animals of the Canadian Northwest

Territories. (Canadian journal of public health, Jan. 1949. v. 40, p. 20-21) *Other authors:* Bruce Cronk, F. deSinner, J. E. Green, J. E. Gibbons, and E. Kuitunen-Ekbaum.

Observations made during the Queen's University Arctic Expedition, 1948, to Southampton Island, of seals, whale, walrus, and polar bear, in order to determine the source of human infection; with note that polar bear as source remains conjectural, although it was the only species found infected.

Copy seen: DSG.

2308. BROWN, MALCOLM, 1916- . Trichinosis in Greenland. (Arctic circular, May 1949. v. 2, p. 55-56) Mimeographed.

Note on epidemic in Disko Bay region, 1947, with remarks on widespread occurrence of this parasitic disease in the Arctic.

Copy seen: CaMAI.

2309. BROWN, MALCOLM, 1916- , and others. Trichinosis on Southampton Island, N.W.T. (Canadian journal of public health, Dec. 1949. v. 40, p. 508-13, illus.) *Other authors:* L. B. Cronk, F. deSinner, J. E. Green, J. E. Gibbons, and E. Kuitunen-Ekbaum.

Observations made during the Queen's University Arctic Expedition, 1948. Report on clinical and laboratory data on manifestations of the disease among the Eskimos, with a bibliography (9 items).

Copy seen: DSG.

2310. BROWN, RILEY. Men, wind and sea; the story of the Coast Guard. New York, Carlyle House [c1939] xii p., 2 l., 17-266 p. plates. Reprinted by Blue Ribbon Books, Garden City, N. Y. 1943, with title: *The story of the Coast Guard*.

History of the U. S. Coast Guard, with one chapter (p. 193-210) on the establishment of the International Ice Patrol in the North Atlantic after the Titanic disaster, 1912.

Copy seen: DLC.

2311. BROWN, ROBERT, 1842-1895, and others. Florula Discoana: contributions to the phytogeography of Greenland, within the parallels of 68° and 70° with latitude. (Botanical Society of Edinburgh. Transactions, July 1868. v. 9, p. 430-65)

Based on collections of the West Greenland Exploring Expedition, 1867. Introductory remarks on the localities

from Egedesminde to Disko, and on the Eskimos' use of plants, followed by seven lists with locations: 1. Oliver, D. Phanerogamia and vascular cryptogamia. (One hundred twenty-nine species). 2. Lawson, M. A. Mosses. (Thirty-nine species). 3. Carrington, Benjamin. Hepaticae. (Eleven species). 4. Lindsay, W. L. Lichens. (Ninety-one species). 5. Croall, Alex. Marine algae. (Forty species). 6. Dickie, G. Fresh-water algae. (Eleven species), also five desmids and eleven diatoms. 7. Smith, W. G. Fungi. (Six species).

Copy seen: DLC.

2312. BROWN, ROBERT, 1773-1858. A list of plants collected in Melville Island, by the officers of the expedition; with characters and descriptions of the new species. (*In:* Parry, Sir W. E. Journal of a voyage . . . 1819-20. Supplement to the appendix, 1824. p. celix-cccx, 4 plates)

Contains a systematic, annotated list, with Latin descriptions of sixty-seven (including four new) flowering plants, thirty-two mosses and liverworts, fifteen lichens, and two fungi.

Copy seen: DLC.

BROWN, ROBERT, 1773-1858, *see also* Ross, Sir John. Voyage of discovery 1818. 1819.

2313. BROWN, ROBERT, 1842-1895. Geological notes on the Noursoak Peninsula, Disco Island, and the country in the vicinity of Disco Bay, North Greenland. (Geological Society of Glasgow. Transactions, 1875. v. 5, p. 55-112, fold. map)

Based on observations by the author, who accompanied Edward Whymper on his West Greenland Expedition, 1867, to the region of Disko Bay and Nugsuaq Peninsula. Contains notes (in brief) on the early geologic explorations, the general geology of Greenland, and (in more detail) descriptions of the geologic sections studied along the southeastern shore of Nugsuaq Peninsula, the northeast shore of Disko Island, and the eastern shore of Disko Bay; notes on the character, analysis, and localities of coal; general conclusions regarding Greenland's Miocene flora; lists of plants and animals found by earlier geologists in the Miocene beds, also plants in Cretaceous beds; and final remarks on the former range of Miocene flora in Greenland.

Map: Geologic map of "Mid Greenland", about 68°30'–71°N. on the west coast, based on earlier published accounts, and on the author's observations.

Copy seen: DLC.

2314. BROWN, ROBERT, 1842–1895. Notes on the history and geographical relations of the Cetacea frequenting Davis Strait and Baffin's Bay. (Zoological Society of London. Proceedings, 1868. p. 533–56)

Contains synonyms, descriptions, notes on geographical range, migrations and habits, of sixteen species of whales.

Copy seen: DSI-M.

2315. BROWN, ROBERT, 1842–1895. Notes on the history and geographical relations of the Pinnipedia frequenting the Spitzbergen and Greenland Seas. (Zoological Society of London. Proceedings, 1868. p. 405–440)

Contains notes on physiology, habits, and instincts, and a list, with notes on distribution, habits, economic value, etc., of seven species of seals, also a discussion of their commercial importance.

Copy seen: DSI-M.

2316. BROWN, ROBERT, 1842–1895. On the formation of fjord, cañons, benches, prairies, and intermittent rivers. (Royal Geographical Society. Journal, 1869. v. 39, p. 121–31, fold. map)

Includes a section on fiords which raises the question of glacial erosion as the agent in their shaping. This theory was attacked by J. W. Tayler and others, and resulted in an exchange of views, published in this journal.

Copy seen: DLC.

2317. BROWN, ROBERT, 1842–1895. On the mammalian fauna of Greenland. (Zoological Society of London. Proceedings, 1868. p. 330–62, incl. tables)

Discussion of geographic distribution of thirty-seven species of land and marine mammals; notes on synonymy and habits of fourteen land species, and some remarks on doubtful and mythical species.

Copy seen: DSI-M.

2318. BROWN, ROBERT, 1842–1895. On the nature of the discoloration of the arctic seas. (Botanical Society of Edinburgh. Transactions, Dec. 1867, *pub.* 1868. v. 9, p. 244–52)

Discussion of the occurrence of diatoms, as the cause of discoloration in Greenland Sea, Davis Strait and Baffin Bay.

Copy seen: DLC.

2319. BROWN, ROBERT, 1842–1895. On the physical structure of Greenland. (*In:* Royal Geographical Society. Arctic geography and ethnology, 1875. p. 1–74)

Contents: 1. Greenland coast line. 2. Interior of Greenland. (Expeditions of the 18th–19th centuries). 3. Greenland glaciers and sea ice. 4. Glacier system of Greenland. 5. Action of sea ice. 6. Rise and fall of the Greenland coast. 7. Application of the facts regarding arctic ice action as explanatory of glaciation and other ice remains in Britain. 8. On the formation of fiords. 9. Northern termination of Greenland. 10. Debatable points regarding the physical structure of Greenland.

Copy seen: DLC; NNSf.

2320. BROWN, ROBERT, 1842–1895. On the physics of arctic ice, an explanatory of the glacial remains in Scotland. (Geological Society of London. Quarterly Journal, June 1870. v. 26, p. 671–701)

Contains descriptions of the glacier system of Greenland, the inland ice, icebergs, subglacial streams, and moraines; discussion of the action of sea ice, and of the rise and fall of the Greenland coast.

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2321. BROWN, ROBERT, 1842–1895. Remarks on the formation of fiords and cañons. (Royal Geographical Society. Journal, 1871. v. 41, p. 348–60)

A rebuttal to the criticisms of the author's paper, *On the formation of fiords* (etc.) 1869. Here further proof is offered in support of his theory that glacial abrasive action accounts for the shape, depth, etc. of fiords. Includes remarks on grinding power of glaciers, filling up of fiords, walls of fiords, volcanic theory of their formation, and some views of other geologists on fiords.

Copy seen: DLC.

BROWN, ROBERT, 1842–1895, see also Lindsay, W. L. Observations on lichens West Greenland 1867. 1871.

BROWN, ROBERT, 1842–1895, see also Rink, H. J. Danish Greenland. 1877.

2322. BROWN, ROBERT NEAL RUDMOSE, 1879– Arctic exploration and research. (Scottish geographical magazine, Dec. 1946. v. 62, p. 97–99)

Note on changing patterns of 20th century exploration, and the arctic re-

search institutions established in Europe and North America.

Copy seen: DLC.

2323. BROWN, ROBERT NEAL RUD-MOSE, 1879- . The commercial development of Spitsbergen. (Scottish geographical magazine, Nov. 1912. v. 28, p. 561-71, illus.)

Account of the hunting, whaling and coal mining of West Spitsbergen.

Copy seen: DLC.

2324. BROWN, ROBERT NEAL RUD-MOSE, 1879- . The flora of Prince Charles Foreland, Spitsbergen. (Botanical Society of Edinburgh. Transactions, 1908. v. 23, p. 313-20)

List, with localities and notes, of fifty-five species of plants, collected by Dr. W. S. Bruce during the summers of 1906-07, with brief notes on the nature of the soil and the physical environment.

Copy seen: DLC.

2325. BROWN, ROBERT NEAL RUD-MOSE, 1879- . Mining development in Spitsbergen. (Scottish geographical magazine, Apr. 1922. v. 38, p. 115-17)

Information on new coal mining enterprises since 1919, and the development of the older ones.

Copy seen: DLC.

2326. BROWN, ROBERT NEAL RUD-MOSE, 1879- . The polar regions, a physical and economic geography of the Arctic and Antarctic. London, Methuen & Co. Ltd. [1927] ix, 245 [1] p. 23 maps (part fold.) Published also by Dutton, N. Y., (ix, 236 p. illus. maps)

Brief account of knowledge (then held) on polar research and statement of its problems; chapters on expedition history, the oceans, sea ice, the Eskimo, and individual regions of the Arctic; bibliography.

Copy seen: DLC; NNStef.

2327. BROWN, ROBERT NEAL RUD-MOSE, 1879- . The present state of Spitsbergen. (Scottish geographical magazine, June 1919. v. 35, p. 201-212 incl. sketch map)

A record of the more important events in the development of the mining industry, with brief sketch of the early history, a map showing the location of the principal mining estates, June 1919, and discussion of the struggle for sovereignty of the Spitsbergen archipelago.

Copy seen: DLC.

2328. BROWN, ROBERT NEAL RUD-MOSE, 1879- . Recent developments in Spitsbergen. (Scottish geographical magazine, Apr. 1920. v. 36, p. 111-16, fold. map)

Remarks on the treaty which gave sovereignty over the Spitsbergen archipelago to Norway, on the legal position of British owners of mining properties in West Spitsbergen, on the Scottish Spitsbergen Syndicate Expedition, 1919, and on recent progress in coal mining, with a map of Klaas Billen and Temple Bays.

Copy seen: DLC.

2329. BROWN, ROBERT NEAL RUD-MOSE, 1879- . Recent polar work—some criticisms. (Polar record, Jan. 1933. No. 5, p. 62-66)

A survey (in general terms) of modern techniques, such as aircraft, radio, and motor vehicles, in polar research, with reflections upon the use of dog sledges, and upon the youthful age of modern arctic workers.

Copy seen: DLC.

2330. BROWN, ROBERT NEAL RUD-MOSE, 1879- . Some problems of polar geography. (British Association for the Advancement of Science. Report, 1927. v. 95, p. 75-97) Published also in Pan American geologist, 1927, v. 48, p. 161-90; and in Smithsonian Institution. Annual report, 1928, pub. 1929, p. 349-75.

Address of the president of the Association's Section E, Geography. A general discussion of conditions and problems of research in the Arctic: methods of exploration, factors influencing its development, and settlement (game, potential resources, etc.)

Copy seen: DLC.

2331. BROWN, ROBERT NEAL RUD-MOSE, 1879- . Spitsbergen, an account of exploration, hunting, the mineral riches & future potentialities of an arctic archipelago. London, Seeley, Service & Co. Ltd., 1920. 319 [1] p. incl. 2 maps. 16 plates, fold. map. Also published in Philadelphia by J. B. Lip-pincott Co., 1920.

Presentation of knowledge then held concerning the history of exploration, and development, the physical features and resources, and the question of sovereignty of the Spitsbergen archipelago subsequently named Svalbard.

Copy seen: DLC; NNStef.

2332. BROWN, ROBERT NEAL RUDMOSE, 1879- . Spitsbergen in 1914. (Geographical journal, July 1915. v. 46, p. 10-23, 2 plates, sketch map)

A paper prepared in part by Dr. W. S. Bruce, completed and read before the Royal Geographical Society by R. N. Rudmose Brown. Account (in brief) of W. S. Bruce's Scottish Spitsbergen Expedition in 1914, a sketch of the geology of Prince Charles Foreland, and information on the coal mining activities and claims on West Spitsbergen, of various nations.

Copy seen: DLC.

2333. BROWN, ROBERT NEAL RUDMOSE, 1879- . Spitsbergen, *terra nullius*. (Geographical review, May 1919, v. 7, p. 311-21, sketch map)

Review of the early exploration of West Spitsbergen by Netherlands, use of the island by whalers and trappers, its cartography, mining and political status.

Copy seen: DLC.

2334. BROWN, ROBERT NEAL RUDMOSE, 1879- , and W. G. BURNMURDOCH. A naturalist at the poles; the life, work & voyages of Dr. W. S. Bruce, the polar explorer. London, Seeley, Service & Co. Ltd., 1923. 2 p. l., 11-316 p. front., illus., plates, ports., 3 maps (2 fold.)

Contents include chapters on Bruce's expeditions to Franz Josef Land and Svalbard, his mapping and coal prospecting in Prince Charles Foreland; also partial list of his publications.

Copy seen: DLC.

2335. BROWN, T. GRAHAM. Mount Foraker, Alaska (Denali's Queen.) (Alpine journal, 1935. v. 47, p. 14-48, 205-43, 12 plates (2 fold.))

Account of the ascent made in July, 1934, by Charles Houston, the author, and others; with descriptive material on the Alaska Range, and detailed notes on the terrain and glaciers around Mt. Foraker. Includes O. R. Houston's *Note on the Herron Glacier*, p. 242-43.

Copy seen: DLC.

2336. BROWN, W. E. Man and machine against the Arctic. (Beaver, Sept. 1936. Outfit 267, no. 2, p. 26-30, illus.)

Account by a member of a Hudson's Bay Co. party, of a pioneer effort to drive a tractor about 150 miles across northeastern Keewatin District, from Wager Bay to Cockburn Bay at the mouth of the Back River, in the winter of 1929.

Copy seen: DSI-M.

2337. BROWN, W. E. Motor tractors. (Polar record, Jan. 1936. no. 11, p. 90-98)

In the fourth of a group of articles in this journal on motor transport, the acting-manager of Hudson's Bay Co. Nelson River District describes efforts towards replacing canoe transport of freight by tractors. Mentions briefly an experiment in the James Bay region in 1924; and reports in detail on tests conducted in 1926-27 and 1928-29 between Wager Bay and Cockburn Bay in northeastern Keewatin District; discusses throughout the surface conditions of snow and ice, problems of low temperature, operation and maintenance, and types of tractors.

Copy seen: DLC.

2338. BROWN, W. J. The Coleoptera of Canada's eastern Arctic. (Canadian entomologist, May 1937. v. 69, p. 106-111)

Based on the author's beetle collections, made during the summer of 1935 along the south shore of Hudson Strait, on Baffin, Devon and Ellesmere Islands, and other smaller islands in that general region. Annotated list, with localities, of twenty-eight species, including a description of *Helophorus arcticus* n.sp.

Copy seen: DSI-M.

BROWN, W. J., see also Orchymont, A. d', & W. J. Brown. *Helophorus arcticus* Brown. 1940.

2339. BROWN, W. W., and C. CHENG. Investigations into the food of the cod (*Gadus callarias* L.) off Bear Island, and of the cod and haddock (*G. aeglefinus* L.) off Iceland and the Murman coast. (Hull bulletins of marine ecology, 1946. v. 3, p. 35-71, diagrs.)

Statistical study of stomach contents of these fish, and discussion of the principal marine animals found, according to area, season, and the two kinds of fish studied, with full tabular data, covering the years 1930-38.

Copy seen: DF.

2340. BROWNE, BELMORE, 1880- . The conquest of Mount McKinley; the story of three expeditions through the Alaskan wilderness to Mount McKinley, North America's highest and most inaccessible mountain, by Belmore Browne; appendix by Herschel C. Parker; with 100 illustrations from original drawings by the author and from photo-

graphs and maps. New York and London, G. P. Putnam's Sons, 1913. xvii, 381 p. col. front., 62 plates (part col.) fold. map, maps on lining-papers.

Detailed account of three attempts on McKinley in 1906, 1910, and 1912, with full descriptions of the climbs and routes. *Appendix*: Parker, H. C. Altitude and temperature readings on and near Mount McKinley.

Copy seen: DLC; NNNstef.

2341. BROWNE, EDWARD T. Report on some Medusae from Norway and Spitsbergen. Bergen, J. Grieg, 1904. 36 p. 5 plates. (Bergen, Norway. Museum. Aarbok, 1903. No. 4)

Contains a list (with descriptions, synonymy, localities and notes) which includes one species of jelly fish from Red Bay, West Spitsbergen, and seven (including one new) species from Greenland Sea above the Arctic Circle; bibliography (26 items).

Copy seen: DLC.

2342. BROWNE, N. MILTON. Fox ranching in the lone Arctic (Forest and outdoors, Jan. 1933, p. 5-7, 12)

Facts on the natural history and habits of the arctic fox, with a few remarks on an unsuccessful fox farming venture attempted on Baffin Island in 1927, by the Hudson's Bay Co.

Copy seen: DA.

2343. BROWNE, PATRICK WILLIAM, 1864 . Where the fishers go; the story of Labrador. New York, Cochrane Pub. Co., [etc., etc.] 1909. xxiv p. 1 l., 366, [4] p. incl. front., illus., plate, fold. map.

A missionary's account of the physical features, fisheries, fishermen, Eskimos, Indians, animals and birds, villages and Moravian missions, of Labrador as a whole.

Copy seen: DLC; NNNstef.

2344. BROWNE, WILLIAM HENRY JAMES. Ten coloured views taken during the arctic expedition of Her Majesty's ships "Enterprise" and "Investigator," under the command of Captain Sir James C. Ross, drawn by W. H. Browne. With a summary of the expeditions in search of Captain Sir John Franklin. London, Ackermann & Co., 1850. 8 p. 10 col. plates on 7 l. 38x28cm.

Contains a summary (in English and French) of the Franklin search expeditions in the central Canadian Arctic,

especially that of Sir J. C. Ross 1848-49, its wintering at Port Leopold, and its search parties' work; ten lithographs of ice scapes near Upernavik, West Greenland, and in the region of the winter quarters at Port Leopold, Whaler Point on Somerset Island, and Leopold Island nearby.

Copy seen: DLC.

2345. BROWNLEE, J. H. Caribou migration on the Yukon Plateau in the autumn of 1915. (Geographical review, July 1916, v. 2, p. 58-60, illus.)

Brief note on the migration of the Barren Lands and woodland caribou, with two illustrations from photographs of herds on the march.

Copy seen: DLC.

2346. BROWNRIGG, G. M. Frostbite in shipwrecked mariners. (American journal of surgery, Feb. 1943. New ser., v. 59, p. 232-47)

Technical discussion of symptoms and care of cases hospitalized at St. John's, Newfoundland, 1941-42, where author was surgeon; with discussion by others (p. 240-47). Bibliography (29 items).

Copy seen: DLC; NNNstef.

2347. BRUCE, DAVIS, and ARNOLD COURT. Trees for the Aleutians. (Geographical review, July 1945. v. 35, p. 418-23)

Account of the U. S. Army's tree-planting 1941-44, with discussion of the climatic conditions, the tree line on Kodiak, and causes of treelessness in the Aleutian chain.

Copy seen: DLC.

2348. BRUCE, EVEREND LESLER, 1884- . The Canadian Shield and its geographic effects. (Geographical journal, Mar. 1939. v. 93, p. 230-39, 2 plates, sketch map)

Sketch of the geomorphology of the Shield area, the effects of glaciation, the present-day physiography, especially the rivers, followed by a summary of the effects of the physical character of the Shield upon human geography.

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2349. BRUCE, EVEREND LESLER, 1884- . Mineral industry of the North-West. (In: Dawson, C. A., ed. The new North-West, 1947. p. 109-130, sketch map)

From his observation of the region and information from various mining companies, the author, professor of

geology at Queen's University, presents the possibilities of developing the mineral industries in the Northwest Territories; gives brief summaries of the history of mining, the topography, geology and mineral deposits of Yellowknife and Great Bear Lake areas, the arctic slope and the Mackenzie River valley; and discusses the economic factors. Bibliography (21 items).

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2350. BRUCE, MINER WAIT. Alaska; its history and resources, gold fields, routes and scenery. Seattle, Lowman & Hanford, 1895. 128, [1] p. illus., 27 plates, fold. map (in pocket)

Contains chapters on history, topography, climate, resources, land and sea animals, the reindeer, Eskimo habits and customs, Indians, missions and schools, scenery, routes, Yukon gold fields, and the boundary dispute; with table of distances.

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2351. BRUCE, MINER WAIT. Alaska; its history and resources, gold fields, routes and scenery. New York & London, G. P. Putnam's Sons, 1899. 1 p. l., x p., 1 l., 237 p. front., illus., 36 plates, 7 fold. maps (1 in pocket).

Another edition, revised and enlarged with the addition of chapters on the Klondike and prospecting, and a list of provisions required for one man during one year.

Copy seen: DLC; NNS Stef.

2352. BRUCE, WILLIAM SPEIRS, 1867-1921. The exploration of Prince Charles Foreland, 1906-1907. (Geographical journal, Aug. 1908. v. 32, p. 139-50, fold. map)

Contains accounts of the author's surveying work during two Scottish expeditions, that of 1906 on the Prince of Monaco's *Princess Alice*, and that of 1907 with the Prince's support; includes descriptions (in brief) of the physiography, geology, and natural history of the island, the most westerly of the Svalbard archipelago.

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2353. BRUCE, WILLIAM SPEIRS, 1867-1921. Polar exploration. London, Williams & Norgate [c1911] vii, [3] 11-256 p. illus. (charts) Also published in the Home University Library of Modern Knowledge, by H. Holt & Co., New York.

Introductory survey of the fields of interest and activities (as distinct from the history) of exploration in arctic and antarctic regions; based on the author's experience on nine polar voyages (including seven in the Arctic, 1896-97-1909), and on other explorers' conversations. Includes chapters on astronomical features, geography, land and sea ice, plant and animal life, physics, meteorology, magnetism, aurora and tides; and on the aims and objects of modern polar exploration.

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2354. BRUCE, WILLIAM SPEIRS, 1867-1921. Prince Charles Foreland. (Scottish geographical magazine, Mar. 1907. v. 23, p. 141-56, 2 plates, sketch map) "Outlook Tower and Scottish oceanographical lectures, February 13, 1907."

An account of the author's investigations in the summer of 1906 while accompanying the Prince of Monaco, on the *Princess Alice*, and descriptions of the island's physical features.

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2355. BRUCE, WILLIAM SPEIRS, 1867-1921, and W. E. CLARKE. The mammalia and birds of Franz Josef Land. (Royal Physical Society, Edinburgh. Proceedings, 1898, pub. 1899. v. 14, p. 78-112, sketch map) Based on the collections made by W. S. Bruce as a member of the Jackson-Harmsworth Expedition, 1896-97, also on the published reports of observations made by Payer, 1872-74, Leigh Smith, 1880-82, and Nansen, 1896, in Franz Josef Land.

Contents: 1. Bruce, W. S. Mammalia, with notes by James Simpson, on the bones of the whale and reindeer, found on the island. (Notes on eleven species, including polar bear, fox, whales, seals, and walrus). 2. Clarke, W. E. Birds, with notes by W. S. Bruce. (Notes on twenty-two species, and some uncertain records, with table of arrival and departure dates). A supplementary paper appeared as KOETTLITZ, R. *Contributions to the natural history of the polar bear*, 1900, q.v.

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BRUCE, WILLIAM SPEIRS, 1867-1921, see also Brown, R. N. R. Spitsbergen 1914. 1915.

BRUCE, WILLIAM SPEIRS, 1867-1921, see also Jackson, F. G., & others.

Three years' exploration Franz Josef Land. 1898.

BRUCE, WILLIAM SPEIRS, 1867-1921, *see also* Lee, G. W. Carboniferous fauna from Novaja Semlja. 1907.

BRUCE, WILLIAM SPEIRS, 1867-1921, *see also* Lee, G. W. Notes on fossils Prince Charles Foreland. 1908.

2356. BRÜCKMANN, WALTER, 1878- . Magnetische Beobachtungen der Danmark-Expedition. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 2, nr. 8. (Meddelelser om Grønland, 1914. Bd. 42, p. 593-631 incl. illus., tables, diagrs.) *Title tr.*: The magnetic observations of the Danmark Expedition.

Contains description of equipment, location and methods; tables of observations at Danmarks Havn, 76°46'N. 18°45'W. in Germania Land, and at Germania Havn on Sabine Island, a journal of auroral observations correlated with magnetism, and a discussion.

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2357. BRÜGGEN, ERNST, Freiherr von der, 1840-1903. Beiträge zur Kenntnis der Amphipoden-Fauna der russischen Arctis. St.-Petersbourg, 1909. 2 p. l., 56 p. 3 plates (1 fold.) (Russkaja poljarnaja ekspeditsiia, 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livr. 16, *Pub. as:* Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 16) *Title tr.*: Contribution to knowledge of the Amphipoda of the Russian Arctic.

Contains tabular presentation of the distribution of amphipods in Kara, Laptev, Chukchi, Beaufort and Bering Seas; a systematic, annotated list with localities, of eighty-five (including with descriptions, four new) species; list of the expedition's stations, giving locations, depths, and bottom sediments, in the Barents, Kara, and Laptev Seas; bibliography (10 items)

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2358. BRÜGGEN, ERNST, Freiherr von der, 1840-1903. Zoologische Ergebnisse der russischen Expeditionen nach Spitzbergen. Amphipoda. (Akademiia nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1906. T. 11, p. 214-45, illus., sketch map) *Title tr.*: Zoological results of the Russian Expedition to Spitzbergen. Amphipoda.

Based on collections made by the Russian Expedition for the Measurement of an Arc of Meridian, 1899-1901, and on a few species from the waters north of West Spitzbergen. *Contains* an annotated list, with localities, bottom sediments and depths, of fifty-six (including with descriptions, two new) species of amphipods mostly from Storfjord, Horn Sound and Ice Fiord; also a station list, showing position, depths, bottom sediments and temperatures, and species collected.

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BRÜGGEN, *see also* Brüggen.

2359. BRUES, CHARLES THOMAS, 1879- . The parasitic Hymenoptera [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. G, p. 21-24)

List, with some descriptions and with notes on locations, of fourteen (including three new) species from the arctic coast of Northwest Territories and Alaska.

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2360. BRUET, EDMOND. Le Labrador et le Nouveau-Québec; géographie, exploration, géologie, minéralogie, faune, flore, peuplement, ressources naturelles. Paris, Payot, 1949. 346 p. illus., 8 plates, 28 sketch maps. (Bibliothèque géographique). *Title tr.*: Labrador and New Quebec; geography, exploration, geology, mineralogy, fauna, flora, population and natural resources.

A comprehensive survey of the "Labrador Peninsula", the region as a whole between Hudson Bay, Hudson Strait, and Labrador Sea on the east; based on the author's eight years' study and field work (from 1934) under auspices of the Natural History Museum, Paris. Chapters on the physical geography (in detail: the coasts, adjacent waters and islands, the Labrador plateau, mountains, glaciation, river systems, tides and currents, climate, etc.); the history of exploration; geology; life zones (in brief); the fauna; native peoples, Eskimo and Indian tribes, their history, way of life, migrations; white man's exploration and exploitation of the region; the flora (in brief); natural resources (fur-bearing animals and the fur trade in detail, fishes and fisheries, minerals and the mining developments, transportation, communication, etc.) Includes throughout the author's im-

pressions of regions visited, and frequent citation of other explorers' and scientists' work. Bibliography (about 300 items). *Copy seen:* DLC.

2361. BRUEVICH, S. V., and others. Soderzhanie ioda v vodorosliakh Belogo moriā i Murmanskogo poberezh'ia. (Gosudarstvennyi okeanograficheskii institut, Moskva. Trudy, 1933. T. 3, vyp. 3, p. 61-78, tables, diagrs.) *Other authors:* A. V. Trofimov and A. N. Gartman. *Title tr.:* The iodine content of the algae of White Sea and Murman coast.

Results of analyses (for Moscow Oceanographic Institute) of algae of various regions and species; remarks on relationship of iodine content and habitat, also on methods of preservation used. Bibliography (11 items). Summary in English. *Copy seen:* DLC.

2362. BRUEVICH, S. V., and I. A. CHAIKINA. Gidrokhimicheskie nablūdeniā v severnoi chasti Kol'skogo zaliva. (Gosudarstvennyi okeanograficheskii institut, Moskva. Trudy, 1933, T. 3, vyp. 3, p. 120-24, tables) *Title tr.:* Hydrochemical observations in the northern part of the Kola Fjord (Barents Sea) in summer 1931.

Results of chemical analyses made for the Moscow Oceanographic Institute, of twenty-two water samples taken at the surface and bottom. Summary in English. *Copy seen:* DLC.

BRUK, Tš. B., *see* Mazo, A. L., & Tš. B. Bruk. Itogi torgovogo soveshchaniā 1938.

BRUMMERSTEDT, C., *see* Knuthsen, H., & others. Husdyrhold i Grønland. 1906.

BRUMMERSTEDT, C., *see* Knuthsen, H., & others. Om mulighederne for renavl. 1906.

2363. BRUN, ALBERT. Le Spitzberg, notes de voyages en 1902. (Geographische Gesellschaft, Bern. Jahresbericht, 1900-02, pub. 1903. Bd. 18, p. 110-28, illus.)

Descriptive notes of a naturalist's voyage along the west coast of West Spitzbergen, into Bell Sound, Ice Fiord, Magdalena Bay and Smeerenburg Fiord, with remarks on the rocks, glaciers, and the arctic pack ice.

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2364. BRUN, ALBERT. Sur quelques glaciers du Spitzberg pendant l'été 1902. (Archives des sciences physiques et naturelles, nov. 1902. Pér. 4, t. 14, p. 489-92) *Title tr.:* On some glaciers of Spitzbergen during the summer, 1902.

Remarks on the types, texture, and moisture or runoff of glaciers, on erosion and avalanches, boulder clay, retreat of glaciers and overlapping.

Copy seen: DLC.

BRUN, ALBERT, *see also* Quervain, A. de, & others. Gemeinsame Beobachtungen Westküste, Grönlandexped. 1912-13. 1920.

2365. BRUN, ESKE, 1904- . The Greenlander of today. (Arctic, May 1949. v. 2, p. 3-12, illus.) Translation of a broadcast given over the Danish radio on Apr. 18, 1948, and published in Danish at Godthaab, in the journal *Grønlandsposten*, Aarg. 7, nr. 11.

General discussion of changes in Greenlanders' traditional customs, their economic problems of today, and Greenland as part of the world community.

Copy seen: CaMAI; DLC.

2366. BRUN, ESKE, 1904- . Grønlands administration i adskillelsens aar. (Grønlandske selskab. Aarskrift, 1946. p. 35-58, illus.) *Title tr.:* The administration of Greenland in the years of isolation. Also published with title *Grønland i adskillelsens aar*, in *Grønlandsposten*, 1945. Aarg. 4, nr. 18, p. 258-73.

Unofficial report by the Danish chief administrator in Greenland, Eske Brun, noting internal and external policies carried out during the friendly occupation of Greenland by American troops, etc.; co-operation with the Danish minister to the United States; Henrik Kauffmann, and with the United States; describes American flying bases, work at the Ivigtut cryolite mine in South Greenland, etc.

Copy seen: NN; NNSf.

2367. BRUN, ESKE, 1904- . Report on Greenland 1949. [n.p.] 82 numb. l. Mimeographed.

"Prepared for the United Nations," succinct statistical and descriptive information on (1) general background (geography, population, government); (2) social conditions (labor and employment, public health and sanitation, housing, welfare and relief, crime and

penal administration); (3) educational conditions (especially detailed); and (4) economic conditions (natural resources, agriculture, industry, standard of living, communications and transport, public finance, banking and credit and international trade).

Copy seen: CaMAI.

2368. BRUN, J., 1826-1900. Diatomées d'eau douce de l'île Jan Mayen et de la côte est du Groenland, récoltées par l'Expédition suédoise de 1899. Stockholm, P. A. Norstedt, 1901. 22 p. plate, map (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 26, afd. 3, no. 18) **Title tr.:** Fresh-water diatoms from Jan Mayen and the east coast of Greenland, collected by the Swedish expedition of 1899.

List, with localities, remarks on the specimens and references to literature.

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2369. BRUNDIN, J. A. Z. Om förekomsten af *Moehringia lateriflora* L. och *Cassandra calyculata* (L.) Don. i Sverige. (Botaniska notiser, 1903, p. 236-38) **Title tr.:** On occurrence of *Moehringia lateriflora* L. and *Cassandra calyculata* (L.) Don. in Sweden.

Contains data on distribution of two herbs, *Moehringia lateriflora*, and *Cassandra calyculata*, found in Luleå Haparanda and Pajala (68°1'N.) Sweden, and known also from Finnish Lapland and Kola Peninsula.

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2370. BRUNDIN, LARS ZAKARIAS, 1907-. Die Coleopteren des Torne-träskgebietes; ein Beitrag zur Ökologie und Geschichte der Käferwelt in Schwedisch-Lapland. Lund, C. Bloms Boktryckeri, 1934. 436 p. incl. illus., map. **Title tr.:** The Coleoptera of the Torne marsh region. A contribution to the ecology and history of the beetle world in Swedish Lapland.

Contains a general survey of the topographical, geological, climatic and botanical conditions of the Torne marshland zone, survey of past investigations in Swedish Lapland, together with scope, and plan employed; ecological divisions, distribution and species of the beetle fauna; their occurrence on plants, shrubs, trees, floating soil, on the heaths, in snow soil, swamps, moors, snowfields, at the water's edge, in streams, beaches, in fungi, dung and manure and near birchtree sap; also

notes on the influence of civilization (such as railroads, tourist traffic, etc.) on their distribution; geographical grouping of the Coleoptera in Torne marsh region; data on interglacial elements in the fauna of the region, apparent survivals from the reptile age; outline of the history of the migration of the north Scandinavian coleopteran fauna after the last glacial period. Includes alphabetic list of species, p. 414-20; bibliography p. 421-34.

Copy seen: DLC; NNM.

2371. BRUNDIN, LARS ZAKARIAS, 1907-. Zwei neue nordische *Athea*-Arten aus der *islandica*-Gruppe (Col. Staphylinidae). Vorläufige Mitteilung. (Entomologisk tidskrift, 1940. Årg. 61, p. 131-33) **Title tr.:** Two new arctic *Athea* species of the *islandica* group (Col. Staphylinidae). Preliminary report.

Descriptions of two new beetles from West Greenland and northern Scandinavia.

Copy seen: DA.

BRUNKOVSKAIA, N. S., see Pushkov, N. V., & others. Sopostavlenie magnitnoi aktivnosti. 1937.

2372. BRUNS, B. P. Nablûdeniâ nad protsessami obrazovaniâ i taianiâ morskogo l'da. (Leningrad. Vsesoiûznyî ark-ticheskiî institut. Trudy, 1937. T. 83, p. 75-97, illus., tables) **Title tr.:** Observations on processes of formation and melting of sea ice.

Observations conducted during the Arctic Institute of U.S.S.R. expedition on the ice-breaker *Sedov*, 1934; a study on the influence of structural, chemical and physical properties of sea ice as factors in its growth and melting.

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BRUNS, D. W., see International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

BRUNS, WALTHER, 1889-, see Breitfus, L. L. Proekt kapitana Bruns. 1924.

2373. BRUSH, GEORGE JARVIS, 1831-1912. On ralstonite a new fluoride from Arksut-Fiord. (American journal of science, July 1871. Ser. 3, v. 2, p. 30-31)

A mineral associated with the cryolite of southwest Greenland.

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2374. BRUSILOV, GEORGII L'VO-VICH, 1884-1914. Vypiska iz sudovogo zhurnala shkhuny "Sv. Anna". (Vsesoiuznoe geograficheskoe obshchestvo. Izvistiia, 1914. T. 50, p. 193-241, fold. chart, tables) *Title tr.:* Extract from the ship's log of the schooner *Sv. Anna*.

Journal of events (with remarks on meteorologic, ice, and other conditions) aboard the drifting *St. Anna* from its departure from Yugorskiy Shar in Sept. 1912 to the day (Apr. 10, 1914) Mate Al'banov and thirteen men left the ship which, with the leader Brusilov and the rest of his party, was not heard of again. Includes tables of soundings, with some coordinates of positions, recorded almost daily during the same period (p. 235-41). Chart shows route of the *St. Anna*, its drift in the Kara Sea north to 82°55'N. 60°45'E., route of the Al'banov party, soundings during drift. Scale about 1:3,900,000.

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2375. BRUSILOVSKII, I. K. Tekhnokonomicheskie predposylki polucheniia oksii aluminia iz nefelina. (*In:* Khibinskie apatity, 1932. T. 4, p. 118-26) *Title tr.:* Technical and economic premises of obtaining aluminum oxide from nepheline.

Plan of construction of an aluminum oxide plant in Kandalaksha, 1932. Discussion of technological problems connected with the process of production: lime, fuel, and electric power supply, and utilization of waste products.

Copy seen: DLC.

BRUSNEV, M. I., see Russkaiia poliarnaiia ekspeditsiia, 1900-1903. Otchet y o rabotakh. 1901-04.

2376. BRUUN, DANIEL, 1856-1931. Den arkaeologiske expedition til Julianehaabs distrikt 1894. (Geografisk tidsskrift, 1895-96. Kjøbenhavn, 1896. Bd. 13, p. 37-47) *Title tr.:* The Archeological Expedition to Julianehaab District, 1894.

Preliminary report of the expedition, including account of scientific trips in the Tunugdliarfik and Sermilik Fiord regions (Julianehaab) and description of Norse ruins there.

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2377. BRUUN, DANIEL, 1856-1931. Arkaeologiske undersøgelser i Godthaabs og Frederikshaabs distrikter i Grønland. (Geografisk tidsskrift, 1903-

04. Kjøbenhavn, 1904. Bd. 17, p. 187-206, map) *Title tr.:* Archeological investigations in the Godthaab and Frederikshaab Districts in Greenland.

Account of the author's journey in 1903 along the west coast of Greenland, 64°15'-61°15'N. and his investigations of Norse ruins there; the discovery of Egede's first home on an island near Godthaab; with historical remarks.

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2378. BRUUN, DANIEL, 1856-1931. Erik den Røde og nordbokolonierna i Grønland. [Kristiania og Kjøbenhavn], Gyldendal, Nordisk forlag, 1915. 3 p. l, ii, 235, [2] p. illus., 31 plates (incl. maps, plans) *Title tr.:* Eric the Red and the Norse colonization of Greenland. Also published in English as *The Icelandic colonization of Greenland*, 1918.

Contents tr.: 1. Eric the Red's youth in Iceland. 2. The first colonization of Greenland. 3. The Saga of Eric the Red. 4. The great Vinland voyage, 1008-1006. 5. Thorgils Örrabeinsfostri's Greenland journey. 6. The foster-brothers. 7. Farthest Greenland. 8. Einar Sokkisson and the establishment of the bishopric. 9. The decay of the Norse colonies. 10. Norse ruins. 11. Ancient topography. Bibliography, p. 231-35.

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2379. BRUUN, DANIEL, 1856-1931. Fortidsminder og nutidshjem paa Island; ny omarbejdet og forøget udg. med et tillæg om nordbogaardene i Grønland. Kjøbenhavn, Gyldendal, Nordisk forlag, 1928. 416 p. illus. (incl. maps, plans) *Title tr.:* Relics from the past and homes of the present in Iceland; new revised and enlarged edition, with a supplement on Norse homesteads in Greenland.

First published in 1897; this edition includes, p. 385-416, a section on Icelandic colonization in Greenland, based on the author's investigations in Greenland in 1894 and 1903.

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2380. BRUUN, DANIEL, 1856-1931. Det høje nord, Faerøernes, Islands og Grønlands udforskning. Kjøbenhavn, E. Bojesen, 1902. 2 p. l., 256 p. col. front., illus., plates (part double, part col.) maps. *Title tr.:* The far North, investigations in The Faroes, Iceland and Greenland.

Contents include account of early Norse colonies in Greenland, its rediscovery and recolonization, its east coast, the Greenland Commission, inland ice, etc. *Copied seen: NNM.*

2381. BRUUN, DANIEL, 1856-1931. The Icelandic colonization of Greenland and the finding of Vineland. København, B. Luno, 1918. 5 p. l., 228 p. illus., 10 plates (part col., part fold.); (incl. maps) diags.. (Meddelelser om Grønland, bd. 57)

Translation, by Dorothy Buchwaldt, of *Erik den Røde og nordbokolonieme i Grønland*, 1915, q.v.

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2382. BRUUN, DANIEL, 1856-1931. Kaptajn Daniel Bruuns foredrag om Godthaabsegnet og den gamle Vesterbygd, i tilknytning til et ved somarbojde med Grønlaenderne tilvejebragt kort over nævnte egn. (Grønlandske selskab. Aarskrift, 1908. p. 28-40, fold. map, tables) *Title tr.*: Captain Daniel Bruun's lecture on the Godthaab territory and ancient Vesterbygd, in connection with a map of this region, completed with the co-operation of the Greenlanders.

Outline of the author's archeological investigation of Østerbygd in 1894; historical research on Vesterbygd; compilation of data to amend map by J. A. D. Jensen (i.e. Bildsøe) 1885; remarks on sealing, reindeer breeding and various aspects of colonization (with statistical data). *Map* (64°-65° N.) of Godthaab region.

Copied seen: NN.

2383. BRUUN, DANIEL, 1856-1931. Manddomsaar . . . erindringer med dagbogsskitser. København, Gyldendal, Nordisk forlag, 1926. 224 p. front., illus. (incl. maps) 4 plates. *Title tr.*: Manhood years.

Contains in part 3 (p. 143-224): Mellem fangere og jaegere (Between sealers and hunters), a description of the author's travels and archeological investigations in 1894, during his West Greenland expedition, for the purpose of excavating ruins of Norse settlements in Østerbygd (Julianehaab District). Notes ascension of Mt. Igdlersfigsalik (the Norsemen's Burfell) and discovery of remnants of observation huts at its peak. Includes notes on salmon fishing, umiak trip, eiderduck

shooting etc., and pencil sketches by the author. *Copied seen: NN.*

2384. BRUUN, DANIEL, 1856-1931. Old Norse farms in the eastern and western settlements. (In: Greenland, Copenhagen, 1928. v. 2, p. 363-40, illus.)

Historical sketch of the identification of early Norse colonies "Vestribygd" and "Eystribygd" as settlements on the west coast of Greenland; account of the author's excavations of Norse ruins in Julianehaab District in 1894, and of later archeological investigations there and in Godthaab District by others. Includes chapters on: the Norse homesteads; building material; various buildings of the farms; dwelling houses; the contents of the refuse heaps; stables for domestic animals; types of farms. *Copied seen: DLC.*

2385. BRUUN, DANIEL, 1856-1931. Om vestgrønlaenderne. (Geografisk tidsskrift, 1905-06, København, 1905. Bd. 18, p. 46-69) *Title tr.*: The West Greenlanders.

Contains discussion of municipal self-government in West Greenland, a town council meeting and a murder case in Godthaab; superstition among West Greenland Eskimos; their economic and social condition. *Copied seen: DLC.*

2386. BRUUN, DANIEL, 1856-1931. Ornithologiske iagttagelser fra Sydgrønland i sommeren 1894. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1895, pub. 1896. Aarg. 47, p. 175-87) *Title tr.*: Ornithological report from South Greenland in the summer of 1894.

The author's observations during an archeological expedition to Julianehaab District under his leadership, with annotated list of thirty species of birds.

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2387. BRUUN, DANIEL, 1856-1931. Oversigt over nordboruiner i Godthaab og Frederikshaab-distrikter. (Meddelelser om Grønland. 1917, pub. 1918. Bd. 56, p. 55-147. illus., 3 fold. maps, diags.) *Title tr.*: Survey of Norse ruins in the Godthaab and Frederikshaab Districts.

Account of the author's journey in 1903 to the site of former Norse colonies on the west coast of Greenland, "Vestribygd" (64°-66°N.) and "Østerbygd" (60°-61°30'N.); his investigation of ruins there and in the region between these sites. *Copied seen: DLC.*

2388. BRUUN, DANIEL, 1856-1931. Peary land landfast med Grønland, belyst ved "Danmarksekspeditionen", Ejnar Mikkelsen og Knud Rasmussen. (Geografisk tidsskrift, 1913-14, Kjøbenhavn, 1914. Bd. 22, p. 85-92, facsim.) **Title tr.:** Peary Land connected with Greenland, as shown by the *Danmark* Expedition, Ejnar Mikkelsen and Knud Rasmussen.

Summary of evidence on the non-existence of a channel (west from Independence Fjord, separating Peary Land from the mainland) reported by Peary, 1892; based on reports and sketch maps made by members of the *Danmark* Expedition, 1906-1908, the *Alabama* Expedition, 1909-1912 and First Thule Expedition, 1912.

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2389. BRUUN, DANIEL, 1856-1931. Ulf og ren paa vandring. En oversigt over nyere iagttagelser. (Grønlandske selskab. Aarsskrift, 1917. p. 34-46) **Title tr.:** Wolf and reindeer migration, a survey of recent observations.

Notes changes in habitats and distribution of reindeer (*Rangifer tarandus*) and arctic wolf (*Canis lupus*) in Greenland; relation between recent increase in numbers of reindeer in West Greenland and sudden influx of wolves in East Greenland; theory of reindeer migration across the icecap, with data on wolves and reindeer; statistics; lists of source material. **Copy seen:** NN.

2390. BRUUN, DANIEL, 1856-1931, and F. B. FRODA. Arkæologiske undersøgelser i Julianehaabs distrikt. (Meddelelser om Grønland, 1895, pub. 1896. 16. hefte, p. 171-461, illus., plates XIX-XX (fold.; incl. map) plans) **Title tr.:** Archeological investigations in the Julianehaab District.

Report of an expedition undertaken to make archeological investigations of Norse ruins in the Julianehaab District, 1894: account of archeological trips in the Sermilik (Julianehaab), Tunugdliarfik, Igaliko and Agdluitsok Fiords; discussion and lists of ruins of dwellings and churches observed in these regions; also a list of bones collected, and a list, with descriptions by Vilhelm Boye, of artifacts collected. Summary in French, p. 479-95.

Copy seen: DLC.

2391. BRUUN, H. G. Studies on heterostyled plants. 2. *Primula scandin-*

vica nov. sp., endemic in Scandinavia. (Svensk botanisk tidskrift, 1938. Bd. 32, häfte 3, p. 249-60, text map)

Contains Latin diagnosis of *Primula scandinavica* n. sp., comparative studies on other related species of primroses, data on chromosome numbers, measurements on the stomata, farina, hairs and pollen grains, and a list of localities of *P. scandinavica*, including Lule and Torne Lappmark in northern Sweden and Nordland, Tromsø and Finnmark in Norway; bibliography (26 items).

Copy seen: MH-A.

BRUUN, PETER DANIEL, see Bruun, Daniel, 1856-1931.

2392. BRUUN, SVEND FOYN. Hvalfangsten og fettindustrien. (Polar-årboken, 1940, p. 59-76, illus.) **Title tr.:** The whale catch and the oil industry.

Contains data on the whaling industry, the various species of whale, its habits and anatomical peculiarities. Notes Norwegian whale oil production, 1920-39, valued at 1320 million crowns.

Copy seen: NNA.

2393. BRUYNE, A. de, and others, editors. De verslagen omtrent den tocht met de Willem Barents naar en in de Ijszee, in den zomer van 1878. Amsterdam, C. L. Brinkman, 1879. 84 p. 5 plates, fold. chart, 9 fold. diagrs. (K. Nederlandsch Aardrijkskundig Genootschap. Tijdschrift; beibladen. No. 5) **Title tr.:** Reports on the voyage of the *Willem Barents* in the Arctic Ocean in the summer of 1878. Edited by a committee of A. de Bruyne, L. R. Koolemans Beynen, H. M. Speelman, C. P. Sluyter, and P. J. Hymans van Anrooy.

During May-Oct. the vessel cruised the Greenland Sea to Jan Mayen and northwest West Spitsbergen, thence southward to Bear Island, and eastward across Barents Sea in north-south traverses as far as Novaya Zemlya, and along the west coast of these islands to the northern point, then returned to the Netherlands.

Contents tr.: Pt. 1, A. Koolemans Beynen, L. R. Outfitting and voyage of the *Willem Barents*. (Notes on organization of the trip; instructions; a journal of the voyage with mention of ice conditions and notes on the lands visited; lists of food and clothing and description of the ship and its equipment).

B. Report of the commander, A. de Bruyne, largely on meteorologic and temperature observations. (Description of weather elements with some data; three to four times daily graphic registrations of barometer and of air, wet bulb, and surface sea water temperatures; with a discussion of methods and instrumentation).

C. SPEELMAN, H. M. Report on the magnetic observations.

Pt. 2. Sluyter, C. P. Report on the zoological research of the *Willem Barents*. (Narrative account of the sea mammals, birds and invertebrates encountered during the voyage; with 4 plates).

Anrooy, P. J. Hymans van. Report on the state of health during the voyage.

The paper by H. M. Speelman appears under his name in this Bibliography.

Copied seen: DLC.

2394. BRUYNE, A. de, and others, editors. De verslagen omtrent den tocht met de Willem Barents naar en in de Ijszee, in den zomer van 1879. Amsterdam, C. L. Brinkman, 1880. (40 p. incl. tables. fold. chart.) (K. Nederlandsch Aardrijkskundig Genootschap. Tijdschrift; beibladen. No. 6) *Title tr.*: Reports on the voyage of the *Willem Barents* in the Arctic Ocean in the summer of 1879.

The ship's course ran from Amsterdam northward in the Greenland Sea to about 71°N.2°E., thence eastward in north-south traverses of the Barents Sea as far as Novaya Zemlya, thence north and westward to a point off Franz Josef Land, and return, during June-Oct., 1879.

Contents tr.: Bruyne, A. de. Report on instructions and program, and a narrative (including weather and ice conditions).

Faasen, A. Report on the state of health during the voyage.

Lidde de Jeude, F. H. van. Zoological report of the Netherlands North Polar Expedition, 1879. (Narrative account of marine mammals and invertebrates observed during the voyage).

Speelman, H. M. Magnetic observations. (Thrice daily, Aug. 10-12, and 30-minute (Aug. 11-12) observations of the three magnetic elements, at Matochkin Shar, Novaya Zemlya, with discussion).

Copied seen: DLC.

2395. BRYAN, KIRK, 1888-1950. The geologic implications of cryopedology. (Journal of geology, Mar. 1949. v. 57, p. 101-104) Introduction to *Journal of geology*, Mar. 1949, presenting papers on studies made in the Arctic, and on phenomena in temperate areas formed by processes now current in the Arctic.

Contains brief review of present-day research problems in (1) frost-action on rocks and soil, introducing the term "pergelisol" for permanently frozen ground, and (2) the "periglacial" climate, the term for (a) the area adjacent to the border of the Pleistocene ice sheets, (b) the climate of this area, and (c) the phenomena induced by this climate.

Copied seen: DGS.

2396. BRYAN, KIRK, 1888-1950. Permanently frozen ground. (Military engineer, Apr. 1946. v. 38, p. 168)

Commentary on terminology used in L. C. Barnes, *Permafrost: a challenge to engineers*, 1946, q.v.; analysis of the term "permafrost", and proposals for new terms built on Latin roots (pergelisol, subgelisol, etc., and cryopedology).

Copied seen: DLC.

2397. BRYAN, KIRK, 1888-1950. The study of permanently frozen ground and intensive frost-action. (Military engineer, July, 1948. v. 40, p. 304-308)

Suggestions for a new terminology and replies from nine internationally known experts, with a reply and summary of their criticisms by the author.

Copied seen: DLC; CaMAI.

2398. BRYANT, HENRY GRIER, 1859-1932. Drift casks in the Arctic Ocean. (American Philosophical Society. Proceedings, Apr. 1902. v. 41, p. 154-61)

General discussion of a program to study ocean currents of the Arctic Basin and Arctic Shelf seas by means of drift casks.

Copied seen: DLC.

2399. BRYANT, HENRY GRIER, 1859-1932. A journey to the Grand Falls of Labrador. (Geographical Society of Philadelphia, Bulletin, Mar. 1894, v. 1, p. 37-86, 8 plates, fold. map)

Account of a canoe trip in 1891, up the Hamilton (Grand) River to the falls, two hundred thirty-three miles inland; with lists of Montagnais Indian objects collected, plants (seventy-six species) obtained, and meteorological notes (temperature, pressure, and weather).

Copied seen: DLC.

2400. BRYANT, HENRY GRIER, 1859-1932. Notes on the most northern Eskimos. (International Geographical Congress. 6th, London, 1895. Report, 1896. p. 677-84)

General remarks based on the author's observations in North Greenland, 1892 and 1894, while on the Peary Relief Expedition. *Copy seen:* DLC.

2401. BRYANT, HENRY GRIER, 1859-1932. The Peary Auxiliary Expedition, 1894. (Geographical journal, Dec. 1894. v. 4, p. 531-34)

Letter to the Royal Geographical Society, written after the return of this relief expedition, containing general notes on the activities of the party.

Copy seen: DLC.

2402. BRYANT, HENRY GRIER, 1859-1932, and others. The Peary Auxiliary Expedition of 1894, by Henry G. Bryant. With supplementary reports by Prof. T. C. Chamberlin and Dr. Axel Ohlin. (Geographical Society of Philadelphia. Bulletin, June 1895. v. 1 p. 141-215, 16 plates, 2 maps)

The expedition was arranged and largely financed by Peary, and managed by the Geographical Club of Philadelphia. Its mission was to reach "Anniversary Lodge" on Bowdoin Bay (Inglefield Gulf, North Greenland) headquarters of the Peary Expedition of 1893-95, to relieve the Peary party and enable its return. The leader, H. G. Bryant, gives here an account of the *Falcon's* voyage from St. John's, Newfoundland, to Inglefield Gulf, the activities and shore visits along the Greenland coast, the search for the missing Swedish scientists, A. Björling and E. G. Kallstenius across Baffin Bay and into Jones Sound, and the return voyage. *Appendices:* A. CHAMBERLIN, T. C. Geology. B. OHLIN, Axel. Zoology, preliminary report. C. WETHERILL, H. E. Botany, list of plants obtained.

Each of the appendices appears in this Bibliography under its author's name.

Copy seen: DLC.

BRYANT, OWEN, see Balch, F. N. On a new Labradorean species of *Onchidiopsis*. 1911.

BRYANT, OWEN, see Bigelow, H. B. Coelenterates from Labrador 1908. 1910.

BRYANT, OWEN, see Kendall, W. C. Report on fishes, Labrador, 1908. 1911.

BRYANT, OWEN, see Leussler, R. A., & O. Bryant. Notes on diurnal Lepidoptera (Bryant 1929-32) 1935.

BRYANT, OWEN, see Moore, J. P. Polychaetous annelids, 1908. 1910.

2403. BRYCE, DAVID. Contributions to the non-marine fauna of Spitsbergen. Part II. Report on the Rotifera. (Zoological Society of London. Proceedings, 1897. p. 793-99)

Based on specimens taken from mosses collected by the Sir Martin Conway Spitsbergen Expedition, 1896, an annotated list, with some descriptive notes, of twenty-six species, and a bibliography (7 items).

Copy seen: DSI-M.

2404. BRYCE, DAVID. On some Rotifera from Spitsbergen. The Oxford University Expedition to Spitsbergen, 1921. Report no. 16. (Quekett Microscopical Club. Journal, Nov. 1922. Ser. 2, v. 14, p. 305-332, illus. Issued also as Oxford University. *Spitsbergen papers*, 1925. v. 1, no. 26.

Contains discussion of rotifers in the mosses of arctic regions, the localities on Prince Charles Foreland, on West Spitsbergen at Cape Boheman and Bruce City (head of Klaas Billen Bay), and the species found by the expedition in each locality. There follows a tabular list of all rotifers then recorded from West Spitsbergen, and an annotated list of twenty-nine (including with description one new) species collected by the expedition; also bibliography.

Copy seen: DLC.

2405. BRYCE, GEORGE, 1844-1919. The siege and conquest of the North Pole. London, Gibbings & Co., Ltd, 1910. xv, 334 p., 9 maps.

History of arctic expeditions from that of Parry, in 1827, to Dr. Cook. 1907-1909. *Copy seen:* DLC; NNSf.

BRYDER, H., see Freuchen, P. Nordboerne ved Upernivik. 1919.

BRYDER, H., see Ostermann, H. B. S. Beskrivelse af distrikterne i Nordgrønland. 1921.

2406. BRYHN, NILS, 1854-1916. Ad cognitionem bryophytorum arcticorum contributiones sparsae. Christiania, J.

Dybwad, 1908. 27 p. (Norske videnskaps-akademi, Oslo. Forhandling for 1908. No. 5) *Title tr.*: Scattered contributions to the knowledge of arctic bryophytes.

Contains lists of the mosses and liverworts collected from various Canadian localities, by (1) the *Gjøa* Expedition, 1903-06 at Gjøahaven (King William Island), King Pt. (Yukon Territory) and Herschel Island, and (2) the Peary Expeditions, 1902-06, in Grant Land (northern Ellesmere Island).

Copy seen: DLC.

2407. BRYHN, NILS, 1854-1916. Ad muscologiam Norvegiae contributiones sparsae, quas composuit. (Nytt magasin for naturvidenskapene, 1902. Bd. 40, hefte 1, p. 1-36) *Title tr.*: Occasional contributions to bryology of Norway.

Contains an enumeration of about three hundred mosses and liverworts from various regions of Norway, with Latin descriptions of new varieties and forms; includes *Hypnum richardsoni lanatum* n. var. from Kistrand, Finnmark, Norway.

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2408. BRYHN, NILS, 1854-1916. Bryophyta in Itinere Polari Norvagorum Secundo collecta. (Fortegnelse over de under den 2 den norske polarexpedition indsamlede moser). Kristiania, A. W. Brøgger, 1906. 260 p. 2 plates. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 2, (no. 11)) *Title tr.*: Bryophyta collected on the Second Norwegian Polar Expedition.

List, with locations, notes on distribution and some descriptions of two hundred ninety (including thirty-one new) species of mosses and liverworts, found in northwest Greenland and on Ellesmere Island; with additional list indicating all species found at the different botanical collection stations.

Copy seen: DLC.

2409. BRYHN, NILS, 1854-1916. Bryophyta pro flora Spitzbergensi nova. (Nytt magasin for naturvidenskapene, 1909. Bd. 47, hefte 3, p. 207-208) *Title tr.*: Bryophyta new to the flora of Spitsbergen.

Contains a list of seven mosses and liverworts collected in 1907-08 by G.

I. Isachsen on West Spitsbergen and new to bryological flora of that island.

Copy seen: MH-A.

2410. BRYNJÓLFSSON, GÍSLI GÍSLASON, 1827-1888. Have de gamle nordboer havt kjendskab til et aabent polarhav imod nord? Foredrag i det Kgl. nordiske oldskriftselskab den 17de januar. Kjøbenhavn, Trykt i det Berlingske bogtrykkeri, 1871. 28 p. *Title tr.*: Did the old Norsemen have knowledge of an open polar sea in the North. Lecture delivered before the Royal Society of Northern Antiquaries, January 17, by Gísli Brynjúlfsson.

Special reprint from the *Berlingske tidende*, a Copenhagen newspaper.

Copy seen: DLC.

2411. BRYNJÓLFSSON, GÍSLI GÍSLASON, 1827-1888. Jusqu'où les anciens Scandinaves ont-ils pénétré vers le pôle arctique dans leurs expéditions à la mer glaciale? (International Congress of Americanists. 5th, Copenhagen, 1883. Compte-rendu, pub. Copenhagen, 1884. p. 140-49) *Title tr.*: How far did the early Scandinavians penetrate toward the North Pole in their expeditions to the Arctic Ocean?

Quotes from *Grønlands historiske mindesmaerker*, 1838-45, v. 3, the account of a northward journey of the Norsemen from western Greenland in 1266 A. D., and presents reasons for believing them to have reached at least as far north as Smith Sound (the Norsemen's "Norderseta").

Copy seen: DLC.

2412. BUBNOFF, SERGE von, 1888-. Die Halbinsel Kola. (Geologische Rundschau, Apr. 1937. Bd. 28, p. 1-47, fold. map)

Geologic study of the Kola Peninsula, with a geologic sketch map and a bibliography.

Copy seen: DGS.

BUBNOFF, SERGE von, 1888-, see also Kolloquium über Arktis, 1930. Vorträge. 1930.

2413. BUCH, HANS, *Lophozia Perssonii* Buch et S. Arnell, spec. nova. (Botaniska notiser, 1944, häfte 3, p. 381-87, fold. table) *Title tr.*: *Lophozia perssonii* Buch and S. Arnell, n. sp.

Contains a Latin diagnosis of a new liverwort, *Lophozia perssonii*, n. sp., native to Dalecarlia (type), Torne Lappmark and Kuusamo, Finland, and

a comparative study with three related species (see fold. table). Summary in German.

Copy seen: MH-A.

2414. BUCH, HANS. Några anmärkningsvarda fanerogam- och mossfynd. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929. v. 5, p. 78-79) *Title tr.:* Some noteworthy finds of phanerogams and mosses.

Contains critical notes on eight species of phanerogams and mosses from various parts of Finland, including *Tritomaria scitula*, a moss native to the Kuusamo region, northeast Finland.

Copy seen: MH-A.

2415. BUCH, HANS. Neun für Finnland neue Lebermoose. Helsingfors, 1925. 8 p. (Societas pro fauna et flora fennica. Acta. v. 55, no. 6) *Title tr.:* Nine liverworts new to Finland.

Contains critical notes on nine species of liverworts new to Finland, including eight native to the Kuusamo region, and Finnish and Russian Lapland, with detailed data on distribution.

Copy seen: MH-A.

2416. BUCH, HANS. "Pohlia annotina". (Societas pro fauna et flora fennica. Meddelanden, 1905-1906, pub. 1906. Häfte 32, p. 27-32, 204)

Contains taxonomic discussion of identity of *Pohlia annotina*, often confused with other allied mosses, including *P. grandiflora*, occurring in western Kola Peninsula (Lapponia tulomensis). Summary in German.

Copy seen: MH-A.

2417. BUCH, HANS. *Pohlia bulbifera* (Warnst.) Warnst. förekommande äfven i vårt land. (Societas pro fauna et flora fennica. Meddelanden 1905-1906, pub. 1906. Häfte 32, p. 24-27, 203-204) *Title tr.:* *Pohlia bulbifera* (Warnst.) Warnst. occurrence in Finland.

Contains a key to four closely related species of mosses, *Pohlia bulbifera*, *P. annotina*, *P. grandiflora*, *P. proligera*, and data on their distribution in Finland; the first species is a rather southern form and the others spread northward to Kemi Lappmark and Kola Peninsula. Summary in German.

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2418. BUCH, HANS. *Scapania Simonsii* Bryhn et Kaal., ein für das Festland Europas neues Lebermoos. (Societas pro fauna et flora fennica. Memo-

randa, 1932-33, pub. 1933. v. 9, p. 142) *Title tr.:* *Scapania simonsii* Bryhn et Kaal., a liverwort new to the continent of Europe.

Contains a report of finding an arctic liverwort, *Scapania simonsii*, collected by N. Söyrinki, in 1929, in Petsamo region (a first known locality in continental Europe), previously reported from West Spitsbergen, Lena River basin (70°58' and 72°N.) Taymyr Peninsula (76°N.), Cape Chelyuskin (77°36'N.) and the type specimen, from King Oscar Land (Ellesmere Island, 76°N.).

Copy seen: MH-A.

2419. BUCH, HANS. Über einige im finnischen Florengebiete seltene oder wenige gekannte Leber- und Laubmoose. (Societas pro fauna et flora fennica. Meddelanden, 1908-1909, pub. 1909. Häfte 35, p. 227-34, illus.) *Title tr.:* On some rare or little known species of mosses and liverworts of the Finnish floristic region.

Contains critical notes on thirteen species of mosses and liverworts of Finland, including four species of *Lophozia* and *Andreae alpestris* from Finnish Lapland and Kola Peninsula.

Copy seen: MH-A.

2420. BUCH, HANS. Vorarbeiten zu einer Lebermoosflora Fennoskandias. I. Ein Versuch zur Aufteilung der Gattungen *Lophozia* Dum. und *Sphenolobus*. (Societas pro fauna et flora fennica. Memoranda, 1931-32, 1933. v. 8, p. 282-97, illus.) *Title tr.:* Preliminary studies to a liverwort flora of Fennoscandia. I. An attempt at definition of the genera *Lophozia* Dum. and *Sphenolobus* Steph.

Contains a systematic and morphological study of genera *Lophozia* and *Sphenolobus*, both known from arctic regions of Scandinavia, and an attempt to elucidate the intricate taxonomy of these liverworts, involving description of four new genera and emended descriptions of three allied genera; bibliography (20 items).

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2421. BUCH, HANS. Vorarbeiten zu einer Lebermoosflora Fennoskandias. II. Elf in den letzten Jahren für Finnland nachgewiesene Arten. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1936. v. 11, p. 195-97) *Title tr.:* Preliminary studies to a

liverwort flora of Fennoscandia. II. Eleven species found in Finland in recent years.

Contains a list of eleven species added to the flora of Finland, with data on the time of finding, distribution and herbarium material, all species occurring in Finnish and Russian Lapland or the Kuusamo region of northeastern Finland.

Copy seen: MH-A.

2422. BUCH, HANS. Vorarbeiten zu einer Lebermoosflora Fennoskandias. III. Die Gattung *Calypogeia* Raddi. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1936. v. 11, p. 197-214, illus.) *Title tr.*: Preliminary studies to a liverwort flora of Fennoscandia. III. The genus *Calypogeia* Raddi.

Contains a systematic and morphological study of the liverwort genus *Calypogeia*, with a key to six European species, critical notes and detailed data on distribution in Finland, Scandinavia and Kola Peninsula, with brief notes on general distribution; bibliography (26 items).

Copy seen: MH-A.

2423. BUCH, HANS. Vorarbeiten zu einer Lebermoosflora Fennoskandias. IV-VI. (Societas pro fauna et flora fennica. Memoranda, 1935-36, pub. 1937. v. 12, p. 148-49, illus.) *Title tr.*: Preliminary studies to a liverwort flora of Fennoscandia. IV-VI.

Contains critical notes on three liverworts, including *Scapania paludosas*, found in southern Finland, previously known as an arctic-alpine species (Salla-67°N.), apparently a relic from glacial times.

Copy seen: MH-A.

2424. BUCH, HANS, and I. HUSTICH. En märklig fyndort för *Diplophyllum obtusifolium* (Hook.) Dum. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1936. v. 11, p. 231-32) *Title tr.*: A remarkable find of *Diplophyllum obtusifolium* (Hook) Dum.

Contains some botanical and ecological notes on *Diplophyllum obtusifolium*, a liverwort found by I. Hustich in Pallastunturi, Kemi region of Finnish Lapland (about 68°N.).

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2425. BUCH, HANS, and RISTO TUOMIKOSKI. *Scapania sphaerifera* spec. nova. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1936. v. 11, p. 227-29, illus.)

Contains Latin and German diagnoses of *Scapania sphaerifera* n. sp., native to Kuolajärvi parish in the Kemi region of Finnish Lapland.

Copy seen: MH-A.

BUCH, HANS, see also Arnell, H. W., & H. Buch. *Martinellia scandica* n. sp. 1921.

2426. BUCH, KURT KARL WILHELM, 1881-. Hydrografisk-kemiska studier uti Petsamo-fjorden jämte angränsande delar av Barentshavet. Helsingfors, 1933. 29 p. illus., fold. diagr., fold. chart. (Fennia. 57, no. 4) *Title tr.*: Hydrographic and chemical studies on Petsamo Fjord and the neighboring regions of Barents Sea.

Contains description of methods and explanatory discussion of results of observations made during July 1931, of the hydrographic conditions of the fjord, the chemical nutrients, and the carbon dioxide exchange between sea and atmosphere; tables of (1) hydrographic conditions, and a profile of the fjord derived therefrom, and (2) the phosphate, nitrate, ammonia (NH₃) and silicate content; also with a diagram of carbon dioxide system of the sea water relative to the atmospheric content, computed by the salinity, temperature, pH, and total CO₂, and assumption of a mean atmospheric CO₂ of 3.2.

Map: Bathymetric chart of the fjord. Text in Swedish with summary in German.

Copy seen: DLC.

2427. BUCH, KURT KARL WILHELM, 1881-. Der Kohlendioxydgehalt der Luft als Indikator der meteorologischen Luftqualität. (Geophysica, 1948. No. 3, p. 63-79, illus., tables) *Title tr.*: The carbon dioxide content of air as an indicator of the meteorological quality of air.

"Tests of CO₂ content were made in 1932 north of Iceland, and related to air masses by E. Palmén. Later (1935), tests were made over the Atlantic from Skagen to Boston and New York to Copenhagen; in 1936 from Narvik to 80°45'N. 12°53'E., and from Sept. 1933 to 1935 in Petsamofjord. Results of these analyses show that *extreme arctic* air has the least CO₂ and *continental* and *tropical* air the most."—Meteorological abstracts and bibliography, July, 1950. v. 1, no. 7, p. 424-25.

Copy seen: DLC; DWB; MH-BH.

2428. BUCH, KURT KARL WILHELM, 1881- . Kohlensäure in Atmosphäre und Meer an der Grenze zum Arktikum. Åbo, 1939. 41 p. illus., tables, diagrs. (Åbo. Akademi. Acta . . . mathematica et physica. 11 no. 12) *Title tr.*: Carbonic acid in the atmosphere and sea at the border of the Arctic.

"A continuation and conclusion of the writer's earlier investigations of the carbonic acid equilibrium in the surface waters of the North Atlantic and of the carbon dioxide exchange between sea and atmosphere."—English summary.

Based on observations carried out on board a passenger liner from Narvik to West Spitsbergen, along its west coast to the ice limit at 80°45'N. and return to Norway via Bear Island, Aug. 10-24, 1936. Observations on surface temperature, chlorinity, salinity, excess base (etc.), pH, calculated CO₂ tensions (etc.), and an extensive series of determinations of the CO₂ content of the air at a place near the mouth of Petsamo Fiord; with discussion of results, and a bibliography (17 items).

Summary in English, p. 35-39.

Copy seen: DSI-M.

BUCHAN, DAVID, b. 1780, *see* Beechey, F. W. Voyage of discovery N. Pole 1818. 1843.

BUCHAN, DAVID, b. 1780, *see* Franklin, Sir J., & D. Buchan. Tables of summer temperatures Spitzbergen. 1825.

BUCHAN, Sir JOHN N. S., *see* Polunin, N. V. On some plants from Salisbury I. 1940.

2429. BUCHANAN, W. J. Floats, a flying episode off Eskimo Point, Hudson Bay. (Beaver, June 1933. Outfit 264, no. 1, p. 48-52, illus.)

Account of difficulties encountered in early commercial flying by hydroplanes of the Canadian Airways Ltd., with details of one near-disaster.

Copy seen: DSI-M.

2430. BUCHENAU, FRANZ, and **W. O. FOCKE**. Gefässpflanzen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870, pub. 1874. Bd. 2, p. 12-61) *Title tr.*: The vascular plants.

Contains discussion of the plant relationships and plant zones; a list, with localities and some descriptions, of

eighty-nine species from East Greenland, a list of forty-nine species from Sabine Island, and a list of fifty-seven species collected by the *Hansa* personnel at Juliähehaab in southwestern Greenland.

Copy seen: DLC.

2431. BUCHHOLZ, R. Crustaceen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870, pub. 1874. Bd. 2, p. 262-399, 15 plates)

Lists (with descriptions, localities, notes on north European distribution, and synonymy) of fifty-five (including six new) species (thirteen decapods, three isopods, twenty-seven amphipods, one phyllopod, ten copepods, and one barnacle; also three spider crabs) collected in northeastern and southwestern Greenland waters and Greenland Sea.

Copy seen: DLC.

2432. BUCK, CARL E., and **G. A. HAYS**. Alaska's health needs. (Alaska life, Jan. 1945. v. 8, no. 1, p. 29-33, illus.)

Discussion of tuberculosis and other diseases in Alaska, public health problems and needs, housing and administration in relation to the natives.

Copy seen: DLC.

2433. BUCKLAND, WILLIAM, editor, 1784-1856. Geology. (In: Beechey, F. W., and others. The zoology of Captain Beechey's voyage. 1839. p. 157-80, col. maps, fold. diagr.)

Includes brief geological and geographical descriptions, based upon notes by Alexander Collie, of the coastal areas of Avacha Bay (Kamchatka) and northwestern Alaska, especially the coasts of Kotzebue Sound, Cape Thompson, Cape Lisburne, and Port Clarence. Illustrations include geological cross-section of Cape Thompson.

Map, scale 1:250,000, shows soundings, coastal rock types, and nearby terrain for Eschscholtz Bay, Alaska.

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BUCKLAND, WILLIAM, 1784-1856, *see also* Beechey, F. W. Narrative of voyage to the Pacific and Beering's Strait 1825-28. 1831.

BUCKLAND, WILLIAM, 1784-1856, *see also* Beechey, F. W. Narrative of voyage to the Pacific and Beering's Strait 1825-28. New ed. 1831.

BUCKMAN, S. S., *see* O'Neill, J. J. Geology of arctic coast of Canada. 1924.

2434. BUDDINGTON, ARTHUR FRANCIS, 1890- . Abandoned marine benches in southeastern Alaska. (American journal of science, Jan. 1927. Ser. 5, v. 13, p. 45-52, illus.)
Copy seen: DLC.

2435. BUDDINGTON, ARTHUR FRANCIS, 1890- . Coast Range intrusives of southeastern Alaska. (Journal of geology, Apr.-May 1927. v. 35, p. 224-246)
Results of investigations, 1921-25, giving a mineralogical and geological description of the Coast Range batholith.
Copy seen: DGS.

2436. BUDDINGTON, ARTHUR FRANCIS, 1890- . Geology of Hyder and vicinity, southeastern Alaska, with a reconnaissance of Chickamin River. Washington, U. S. Govt. Print. Off., 1929. viii, 124 p. incl. tables. 14 plates (part fold.; incl. 5 maps) (U. S. Geological Survey. Bulletin 807)
Contains notes on the geography, transportation facilities and trails, topography, and glaciation of the Salmon River area at the head of Portland Canal, in the northeastern part of the Hyder mining district; descriptions of the stratigraphy, structure and mineral deposits (their mineralogy, and genesis) and of the mines and prospects (lead, silver, gold) with geologic and topographic maps (contour interval 100 ft., scale 1:62,500) and a bibliography.

Report (in brief) on the geography, topography, stratigraphy, structure, and mineralization along the Chickamin River, with sketch map.
Copy seen: DGS.

2437. BUDDINGTON, ARTHUR FRANCIS, 1890- . Molybdenite deposit at Shakan, Alaska. (Economic geology, Mar.-Apr. 1930. v. 25, p. 197-200)

Results of a laboratory study of specimens collected by the author in 1923, from a deposit showing mineralization of a peculiar type, within the Ketchikan mining district.
Copy seen: DGS.

2438. BUDDINGTON, ARTHUR FRANCIS, 1890- . Submarine pillow lavas of southeastern Alaska. (Journal of geology, Nov.-Dec. 1926, v. 34, p. 824-28)

On the widespread occurrence of pillow lavas in Southeast Alaska with evidence to show that they all originated under submarine conditions.

Copy seen: DGS.

2439. BUDDINGTON, ARTHUR FRANCIS, 1890- , and **J. G. FAIRCHILD**. Some Eocene volcanics in southeastern Alaska. (American journal of science, June 1932. Ser. 5, v. 23, p. 490-96)

A set of chemical analyses and petrographic descriptions of Eocene lava specimens collected by Buddington and analyzed by Fairchild.

Copy seen: DLC.

2440. BUDDINGTON, ARTHUR FRANCIS, 1890- , and **THEODORE CHAPIN**. Geology and mineral deposits of southeastern Alaska. Washington, U. S. Govt. Print. Off., 1929. x, 398 p. incl. tables, diagrs. 22 plates (part fold., incl. 2 maps) (U. S. Geological Survey. Bulletin 800)

Contains a summary of available data, from the authors' field work, 1915-25, and from the work and reports of others, largely on the coastal strip of the area southeast of Mt. St. Elias to Dixon Entrance. Notes on geography, climate, etc.; description of the topography, including past and present glaciation, fiords, and marine erosion; and (in detail) the stratigraphy, structure, and mineral deposits (including gold, copper, iron, silver, lead, limestone, and many others).

Maps: geologic map of a section of southeastern Alaska (southern boundary to 58°N., with inset of Lynn Canal region) scale 1:500,000; generalized geologic map of southeastern Alaska, scale 1:1,000,000. *Copy seen:* DGS.

BUDĬANSKAĬA, M. L., see Klenova, M. V., & M. L. Budĭanskaĭa. Phosphorus in sediments of polar seas. 1940.

2441. BUDKEVICH, G. I. K voprosu o primeneniĭ aerofotos"emki dlia tselei gidrografii v Arktike. (Severnĭi morskoi put', 1935, no. 3, p. 20-74, illus., diagrs.) *Title tr.:* On the question about the application of aerophotography to the purpose of hydrographic surveying in arctic regions.

Discussion of the peculiarities and the possibilities of aerial photographic surveying under arctic conditions, a description of the photographic equip-

ment used for this purpose and of the kind of planes and the requirements of their work.

Summary in English.

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2442. BUDTOLAEV, N. M. Iz Igarki do Diksona. (Sovetskaya Arktika, 1940, no. 12, p. 12-19, diags., illus.) *Title tr.:* From Igarka to Dikson.

Experiment in building cribs at Igarka harbor and towing them to Dikson Island for new port facilities there; with discussion of the advantage of utilizing established centers for such work, rather than transferring man power and equipment to build cribs, etc., on the new sites.

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2443. BUDTOLAEV, N. M. Stroitel'stvo Igarskogo porta. (Sovetskaya Arktika, 1935, no. 3, p. 21-23, illus., plan) *Title tr.:* The construction of Igarka Harbor.

Construction work in 1934, described by the chief of Igarka harbor development.

Copy seen: DLC.

BUDTOLAEV, N. M., see also Mamoshkin, S. N. Igarskii port k navigatsii 1936g. 1936.

2444. BUDTZ-JØRGENSEN, KAMMA. Et aar som tandlaege i Grønland. (Grønlandske selskab. Aarsskrift, 1920-1921. p. 17-19, illus. table) *Title tr.:* One year as dentist in Greenland.

Gives results of dental examinations of 500 Eskimos at Godthaab, Jakobs-havn, Egedesminde, Upernavik, etc. Notes influence of coffee, tea, and tobacco on Eskimos' teeth. Includes statistics.

Copy seen: NNStef.

BÜCKING, FERDINAND CARL BERTRAM HUGO, see Bücking, Hugo.

BÜCKING, HUGO, see Steinmann, G., & H. Bücking. Zur Geologie d. Küsten Cumberlandgoltes. 1890.

2445. BÜCKMANN, A. Bericht über Plan, Vorbereitung und Durchführung der Forschungsfahrt. Die Forschungsfahrt des . . . "J. Hinr. Wilhelms" in das südliche Barentsmeer im Oktober, 1937. 1. (Deutsche wissenschaftliche Kommission für Meeresforschung. Berichte, 1940. Neue Folge, Bd. 9, p. 445-58, illus., fold. sketch chart, diags.) *Title tr.:* Report on the plan, preparations, and carrying out of the cruise.

The research cruise of the *J. Hinr. Wilhelm* in southern Barents Sea, October, 1937. 1.

Contains remarks on the Commission's plan of research in Barents Sea and some notes on the vessel which was chartered; description of general bathymetric relationships in the vicinity of the 200 meter line from Finnmark to Novaya Zemlya waters, which was the general route of the cruise; and a summary account of the work accomplished.

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2446. BÜCKMANN, A. Fischfang im Barentsmeer. (Deutscher Seefischerei-Verein. Mitteilungen, 1931. Bd. 47, p. 4-13, illus., sketch map) *Title tr.:* Fisheries in Barents Sea.

General discussion of the development of German fisheries since 1912, and of the methods, quantity and localities of the fisheries in Barents Sea.

Copy seen: DF.

2447. BÜCKMANN, A., and E. RIECH. Die Kabeljaufänge der Forschungsfahrt im Oktober und des Fischdampfers "Bayern" im November 1937. Die Forschungsfahrt des . . . "J. Hinr. Wilhelms" in das südliche Barentsmeer im Oktober 1937. 6. (Deutsche wissenschaftliche Kommission für Meeresforschung. Berichte, 1940. Neue Folge, Bd. 9, p. 522-40, tables, 4 sketch maps, fold. diags.) *Title tr.:* Codfish catches of the cruise in October, and of the fisheries steamer *Bayern* in November 1937. Research cruise of the *J. Hinr. Wilhelm* in southern Barents Sea in October 1937. 6.

Contains results of observations on lengths, ages, biological groups, maturity, regional distribution of biological groups, distribution of marketable codfish, and growth relationships; with a bibliography (7 items).

Copy seen: DF.

2448. BÜDEL, J. Die klima-morphologischen Zonen der Polarländer. Beiträge zur Geomorphologie der Klimazonen und Vorzeitklima II. (Erdkunde, 1948. Bd. 2, p. 22-53, illus., 2 plates, fold. map) *Title tr.:* The climatic-morphologic zones of arctic lands. Contributions to the geomorphology of the climate zones and geologic climate. 2.

Contents tr.: 1. Physical geographic classification of polar regions.

2. The type forms conditioned by climate of the ice-free polar lands:

Solifluction zone. Theory of the boundary of such zones.

3. Classification of the solifluction zone in frost debris and tundra zones.

4-5. The climatic-morphologic lines of the frost debris zone; and of the tundra zone.

6. The distinction in intensity of denudation between residual soil, tundra and solifluction zones and their expression in the over-all relief.

7. The limits of tundra and frost debris zones.

Bibliography (52 items).

Copy seen: CAMAI; DGS.

2449. BUERGER, MARTIN JULIAN, 1903-. Spectacular Frobisher Bay. (Canadian geographical journal, July 1938. v. 17, p. 3-17, illus.) *Published* also in Technology review, Apr. 1938, v. 40, p. 268-70, 279-84.

Description with "spectacular" illustrations of Frobisher Bay, visited by the author as a member of the MacMillan Expedition, 1937; also description (in some detail) of the Grinnell Glacier which lies south of the bay.

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2450. BÜRGER, OTTO, 1865-. Die Nemertinen. (In: Fauna arctica, 1903. Bd. 3, p. 55-64, plate) *Title tr.:* Nemer-
tea.

Contains a list, with synonymy, locations and notes on distribution, of ten (including with description, one new) species of these non-parasitic, marine flatworms, representing collections of the German Expedition to the Arctic Ocean, 1898 (Svalbard waters, Greenland Sea, and Arctic Basin) and of Kükenthal's voyage to West Greenland in 1893. Includes lists of species from Greenland and Barents Seas, and of the Gulf of Alaska and Aleutian waters; with a bibliography (12 items).

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2451. BÜTLER, HEINRICH. Das devonische Faltungsgebiet nördlich des Moskusokseffjordes in Ostgrönland; Bericht über Untersuchungen aus den Jahren 1936 und 1938 im Hudson- und Ole Römerland. København, C. A. Reitzel, 1940. 32 p. 10 plates (incl. 3 maps, 2 fold.) (Meddelelser om Grønland. Bd. 114, nr. 3) *Title tr.:* The Devonian fault region north of Musk Ox Fiord in East Greenland; report on research, 1936-1938, in Hudson and Ole Römer Land.

Results of the Danish Geological Expedition to East Greenland, 1936-38, under Lauge Koch. The area lies (roughly) between 73°35'-74°15'N. and 22°-25°W. and includes part of Bartholin Highland. This report gives a geographic sketch; regional stratigraphic summary; tectonic structural elements; sequence and regional aspects of the occurrence of movements; corrections and summary; and a bibliography (45 items).

Copy seen: DGS.

2452. BÜTLER, HEINRICH. Erläuterungen zu einigen Bildern der Ellainsel in Ostgrönland. (Naturforschende Gesellschaft Schaffhausen. Mitteilungen, 1936-37, pub. 1937. Heft 13, p. 9-14, 7 plates) *Title tr.:* Explanations of some of the forms of Ella Island in East Greenland.

Description of the physiographic and geologic features of the island (about 73°N. 25°W. in King Oscar Fiord) in relation to the neighboring region. A result of a wintering on Ella Island by two members of the Schaffhausen Society, who used it as a base for geologic studies in the region during the Three-Year Expedition to King Christian X Land, 1931-34, under Lauge Koch.

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2453. BÜTLER, HEINRICH. Die geologische Position des Canninglandes in Ostgrönland. (Naturforschende Gesellschaft Schaffhausen. Mitteilungen, 1936-37, pub. 1937. Heft 13, p. 1-7 illus.) *Title tr.:* The geologic position of Canning Land in East Greenland.

Summary of tectonic and stratigraphic knowledge concerning the peninsula, based on research between Scoresby Sound and Germania Land carried out by Danish expeditions, 1926-37.

Copy seen: NNM.

2454. BÜTLER, HEINRICH. Die Mächtigkeit der kaledonischen Molasse in Ostgrönland. Ergebnisse von Untersuchungen über die Lagerungsverhältnisse des oberen Devons in Ostgrönland. (Naturforschende Gesellschaft Schaffhausen. Mitteilungen, 1934-35, pub. 1935. Heft 12, p. 17-33, illus. (incl. sketch map) 4 plates) *Title tr.:* The extent of Caledonian molasse in East Greenland. Results of a study of Upper Devonian stratification in East Greenland.

Based on the author's investigation of the strata between Musk Ox Fiord

and Davy Sound, including Gauss Peninsula, during the Danish Three-Year Expedition to King Christian X Land, 1931-34, under Lauge Koch. Contains discussion of the Devonian as an orogenic sediment; the orogenic movements in the Devonian basin; the stratigraphic sequence and extent of Devonian series; and a comparison with other Old Red regions; bibliography (22 items).

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2455. BÜTLER, HEINRICH. Notes on the geological map of Canning Land (East Greenland). København, C. A. Reitzel, 1948. 97 p. illus. (incl. sketch map, diags.) 5 fold. plates (incl. 3 maps) (Meddelelser om Grønland. Bd. 133, nr. 2)

Results of the Geological Expedition to East Greenland, 1936-38. The area treated, Canning Land, lies between Carlsberg and Nathorst Fiords in the Davy Sound region of King Oscar Fiord. The northern half of Wegener Peninsula is treated here also. The author gives a résumé of the geologic investigation and position of Canning Land; full description of the stratigraphic divisions and position of the formations, and the faults; a reconstruction of the earlier structural conditions of the series of beds on Canning Land; and a bibliography (79 items).

Maps include: geological map of Canning Land and eastern part of Wegener Peninsula, scale 1:75,000; and a geologic-tectonic sketch map of the area of Franz Joseph and King Oscar Fiords, scale 1:750,000.

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2456. BÜTLER, HEINRICH. Some new investigations of the Devonian stratigraphy and tectonics of East Greenland. København, C. A. Reitzel, 1935. 35, [1] p. illus. (incl. 3 sketch maps) (Meddelelser om Grønland. Bd. 103, nr. 2)

Results of the Three-Year Expedition to King Christian X Land, 1931-34, under the leadership of Lauge Koch. Report on an investigation within the western boundary zone of the Devonian from Kongeborgen (northwestern Traill Island) and Strindberg Peninsula (Franz Joseph Fiord). Description of the Devonian basal conglomerate, sandstone, and eruptive rocks; the tectonics of Musk Ox Fiord inlier, Mt. Høgbom, Mt. Sederholm and Mt. Ramsay (Gauss

Peninsula) and the folding zone between Dusén Fiord and Kongeborgen; with a bibliography (24 items).

Copy seen: DGS.

2457. BÜTLER, HEINRICH. Die tektonischen Strukturelemente des östlichen Moschusochsenfjordes. Vorläufige Mitteilung. København, C. A. Reitzel, 1938. 7 [1] p. illus. (map) (Meddelelser om Grønland. Bd. 103, nr. 5) *Title tr.:* The tectonic elements of the structure of east Musk Ox Fiord. Preliminary report.

Results of the Three-Year Expedition to King Christian X Land, 1931-34, under the leadership of Lauge Koch. The area described, lies on Gauss Peninsula from the Mt. Høgbom-Mt. Sederholm-Mt. Ramsay zone, eastward to the Ulve Valley, including Mt. LaCour.

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2458. BÜTLER, HEINRICH. Über das Vorkommen von Mitteldevon im südlichen Teil der Giesecke-Berge; vorläufige Mitteilung über Untersuchungen in der östlichen Gauss-Halbinsel in Ostgrønland im Sommer 1948. København, C. A. Reitzel, 1949. 24 p. illus. (incl. sketch map) 3 plates. (Meddelelser om Grønland. Bd. 150, nr. 4) *Title tr.:* On the occurrence of Middle Devonian in the southern part of Giesecke Mt.; preliminary report on investigations in the eastern part of Gauss Peninsula, East Greenland, in the summer 1948.

Results of the Danish Expeditions to East Greenland, 1948-51; under Lauge Koch. Description of the Devonian series and of evidence of subsequent dislocations, also discussion of stratigraphic relations of the peninsula on the basis of work done earlier in the whole Gauss Peninsula region; with a bibliography (34 items).

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2459. BÜTLER, HEINRICH. Über ein Vorkommen von Quarziten der untern Eleonore Bay Formation an der Nordküste der Wegener Halbinsel in Ostgrønland. København, C. A. Reitzel, 1949. 9, [1] p. illus. (Meddelelser om Grønland. Bd. 150, nr. 3) *Title tr.:* An occurrence of quartzite in the lower Eleonore Bay formation on the north coast of Wegener Peninsula, East Greenland.

Results of the Danish Expeditions to East Greenland, 1948-51; under

Lauge Koch. Description of quartzite-schist series discordantly overlain by breccia and conglomerate, observed in 1948 at Vimmelskaftef on Fleming Fiord and discussion of the stratigraphic relationships of other quartzite-schists in the neighboring regions of the peninsula; with a bibliography (7 items). *Copy seen:* DGS.

2460. BÜTLER, HEINRICH. Übersicht der devonischen Bildungen nördlich des Davysundes in Ostgrönland. (Naturforschende Gesellschaft Schaffhausen. Mitteilungen, 1940, pub. 1939. Bd. 16, p. 105-131, illus., 2 sketch maps, diagsr.) *Title tr.:* Summary of the Devonian formations north of Davy Sound in East Greenland.

Results of the Danish Expedition to East Greenland, under Lauge Koch, 1936-38. A sketch of the geographic distribution and geologic position of the formation, the orogenic Devonian series of Musk Ox Fiord, the age of the series and its fault structure.

Copy seen: CaMAI; DGS.

2461. BÜTLER, HEINRICH. Die Westgrenze des Devons am Kejser Franz Joseph Fjord in Ostgrönland. Profilkonstruktionen durch das Strindberg Land und den westlichen Teil der Ymer Insel. (Naturforschende Gesellschaft Schaffhausen. Mitteilungen, 1947/48. Bd. 22, p. 73-152, illus., 9 plates, fold. map, diagsr. (1 fold.)) *Title tr.:* The western limits of the Devonian on Franz Joseph Fiord in East Greenland. Profile through Strindberg Land and the western part of Ymer Island.

A study (based on observations during the Danish East Greenland Expeditions, 1933-34 and 1936 and 1938) of the Caledonian fault zone along the Devonian western edge; details of Devonian formation of Strindberg Land and west Ymer Island, the relation between Caledonian orogenesis and Devonian; and the fracture near the western limits of the Devonian; with a bibliography (54 items).

Copy seen: CaMAI.

2462. BUGAEV, V. A. O sviazi tsiklonicheskikh traektorii s polozheniem arkticheskogo fronta zimoi. (Meteorologiya i gidrologiya, 1936, no. 8, p. 11-18, diagsr.) *Title tr.:* On the relation of cyclonic trajectories with the position of arctic front in winter.

Cyclones regenerating along an arctic front have a trajectory closely following the position of the arctic front. The atmospheric processes involved are discussed. *Copy seen:* DLC.

2463. BUGAEVA, T. I. Opytnyi sel'skokhoziaistvennyi punkt Igarki. (Sovetskaya Arktika, 1936, no. 6, p. 61-62) *Title tr.:* Igarka Experimental Agricultural Station.

Contains data on the harvests at the station for 1932-35.

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2464. BUGGE, AAGE. Dansk-grønlandsk forstaaelse. (Grønlandske selskab. Aarsskrift, 1924-25. p. 5-25) *Title tr.:* Bonds between Danes and Greenlanders.

Reviews relations and pleads for closer cooperation, stressing difficulties caused by languages. Includes discussion by the meeting and epilogue by the author, a clergyman.

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2465. BUGGE, AAGE. Den grønlandske kirke og skole under adskillelsetiden. (Grønlandske selskab. Aarsskrift, 1946. p. 71-84, illus.) *Title tr.:* Church and school in Greenland during the period of isolation.

A report on school and social problems during the period of World War II, and how they were met; notes increase in illegitimate births and the use of alcoholic beverages; discusses regulations of intercourse between Danes and Eskimos at Ivigtut, and between Americans and Eskimos in East Greenland.

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2466. BUGGE, AAGE. Den grønlandske Skole. (Grønlandske selskab. Aarsskrift, 1925-26. p. 39-46) *Title tr.:* The school in Greenland.

Contrasts conditions in Hans Egede's time with those of the 1920's; notes advances in teaching; subjects taught; discusses changes effected by the government law of 1925.

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2467. BUGGE, AAGE, and M. GAM. Grønlandske skoleproblemer. (Grønlandske selskab. Aarsskrift, 1930-31. p. 5-36) *Title tr.:* School problems in Greenland.

Notes stages of educational progress in the last generation; the study of Danish, and other subjects; relationship

between missions, schools and teaching; discusses teachers and language conditions in the various schools; distribution of schools of higher learning in West Greenland; advocates Danish in lower grade schools; recommends schools for housewives and instruction in Danish. Includes discussion by the meeting.

* *Copy seen:* NN.

2468. BUGGE, CARL, 1881- Petrographische Resultate der 2ten Fram-Expedition. Kristiania, A. W. Brøgger, 1910. 38 p. 6 plates, map (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Expedition in the *Fram*, 1898-1902. v. 3, (no. 22)) *Title tr.:* Petrographic results of the Second Fram Expedition.

Study of rocks, chiefly from the eastern and southern coasts of Ellesmere Island.

Copy seen: DLC.

2469. BUHLER, F. W. Topographical surveys. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 298-308, diags.)

Discussion of photographic mapping and construction of maps for the Louise A. Boyd expeditions to East Greenland, 1937-38.

Copy seen: DLC; NNA.

2470. BUFAKOVICH, N. G. Akklimatizatsiia ondatry v ĭakutskoi ASSR. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seriia "Promyslovoe khoziaistvo", 1940. Vyp. 12, p. 7-32, illus. (incl. map)) *Title tr.:* Acclimatization of muskrat in Yakut A.S.S.R.

A study of muskrats imported into the region in 1930, a description of their life, habits in new places, their propagation; trapping of muskrats, and some conclusions on their possible future distribution and habitats.

Copy seen: DLC.

2471. BUFAKOVICH, N. G. O morskikh zverboinykh promyslakh ĭakutii. (Sovetskaiia Arktika, 1939, no. 8, p. 113-15, illus.) *Title tr.:* The sealing industry of Yakutia.

Notes on sea mammals encountered off Yakutia at various times.

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2472. BUINIT'SKII, VIKTOR KHAR-LAMPOVICH. Dnevnik nabludenii za mlekoopitaushchimi ptitsami. (In: Dreifushchaya ekspeditsiia Glavsevmor-

puti na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 5-13, maps) *Title tr.:* Journal of the observations of mammals and birds.

Day-to-day record of wildlife seen from the ice-breaker *Sedov* during its drift in the central polar basin, Oct. 1937-Jan. 1940, with a list of five species of mammals and eleven species of birds, and two maps indicating the locations of specimens seen.

Summary in English.

Copy seen: DLC.

2473. BUINIT'SKII, VIKTOR KHAR-LAMPOVICH. 25 let Arkhticheskogo nauchno-issledovatel'skogo instituta. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1945. T. 77, p. 309-321) *Title tr.:* Twenty-five years of the Arctic Research Institute.

A survey of the work of the Arctic Institute of U.S.S.R. (1931-45) and its predecessors, the Northern Scientific and Economic Expedition (1920-26) and the Institute for Scientific Exploration of the North (1926-31).

Copy seen: NNA.

2474. BUINIT'SKII, VIKTOR KHAR-LAMPOVICH. Nauchnaya rabota na "Sedove". (Sovetskaiia Arktika, 1940, no. 4, p. 15-20, illus.) *Title tr.:* Scientific work on the *Sedov*.

Brief account by the hydrologist of the expedition, of the scientific work during the drift of the ice-breaker across the Arctic Basin, 1937-40.

Copy seen: DLC.

2475. BUINIT'SKII, VIKTOR KHAR-LAMPOVICH. Scientific observations made during the drift of the ice-breaker *Sedov* in the period 1938-1940. (Akademiia nauk SSSR. Comptes-rendus (Doklady), 1940. n. s., v. 17, no. 2, p. 122-27)

Outline (methods, instruments, general remarks, etc., not results) of astronomical measurements, magnetic, auroral, gravity observations, soundings taken, ice study, and animals and birds noted. Includes notes on the course of the drift (across the Arctic Basin from Laptev to Greenland Seas) in which the author was participant.

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2476. BUINIT'SKII, VIKTOR KHAR-LAMPOVICH. 812 dnei v dreifuushchikh l'dakh; dnevnik. Moskva, Izd-vo Glavsevmorputi, 1945. 203 p. plates.

Title tr.: 812 days on drifting ice; a diary. Preface by I. D. Papanin.

Diary by the chief of the scientific section of the *Sedov* expedition, 1937-1940. Daily record of drift and weather, with information concerning the circumstances of the scientific work performed and some of the data obtained.

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BUINITSKII, VIKTOR KHARLAMPOVICH, *see also* Chapskii, K. K. *Mleko-pitaushchie vysokikh shirot. 1946.*

BUINITSKII, VIKTOR KHARLAMPOVICH, *see also* Dreifuushchana ekspe-ditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov", 1937-1940. Trudy. v. 3. 1946.

BUINITSKII, VIKTOR KHARLAMPOVICH, *see also* Portenko, L. A. *Ptitsey vysokikh shirot. 1946.*

BUKANOV, E. V., *see* Vasil'ev, Iu. A. *Po povodu stat'i E. V. Bunakova. 1936.*

2477. BUKHTEEV, AFANASII MIKHAILOVICH. O gidrograficheskikh rabotakh transporta "Samoiéd" na Novoi Zemli. (Vsesoizuznoe geograficheskoe obshchestvo. Izvistiia, 1897. T. 33, p. 360-66, 2 fold. maps) **Title tr.:** On the hydrographic work of the transport *Samoiéd* at Novaya Zemlya.

Account and principal results of a survey (1896) of Beluzh'ya Bay by the officers, who had been asked to find a suitable anchorage for a proposed Samoyed settlement in Kostin Shar area.

Maps: (1) chart of Beluzh'ya Bay, scale 1:33,600; (2) sketch map of coastline in Beluzh'ya Bay area, showing corrections, scale about 1:170,000.

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2478. BUKHTEEV, AFANASII MIKHAILOVICH. Osnovnye astronomicheskie punkty Russkoi Poliarnoi Ekspeditsii 1900-1903 gg., opredelennye astronomom ekspeditsii F. G. Zebergom v 1900, 1901 i 1902 gg. St.-Petersbourg, 1911. 20 p. tables. (Russkaia poliarnaia ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. B, livr. 2. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 26, no. 2) **Title tr.:** Basic astronomical points of the Russian Polar Expedition (1900-1903) as determined by F. G. Zeberg, the astronomer of the Expedition, in 1900-1902.

Account of the procedure in determining the following points: 75°51'48"N. 93°0'0"E.; 76°8'18"N. 95°4'E.; 76°8'12"N. 95°3'E.; 77°40'48"N. 104°38'5"E.; 77°41'5"N. 104°30'E.; 75°22'19"N. 137°9'5"E.

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2479. BUKHTEEV, AFANASII MIKHAILOVICH. Polnoe zatmenie solntsa 27 iuliia (8 avgusta) 1896 g., nabludennoe ofitserami transporta "Samoiéd" na Novoi Zemli. (Akademiia nauk SSSR. Bulletin, jan. 1897. Sér. 5, t. 6, p. 17-26, illus.) **Title tr.:** The total eclipse of the sun of July 27 (August 8), 1896, observed by the officers of the transport *Samoiéd* on Novaya Zemlya.

Lt. Bukhteev's report is based on notes of the participants, but does not include the meteorological observations, which were given to Prince Golitsyn for inclusion in a separate report, *Meteorologicheskiiu nabludeniiu*, 1897, q.v. Bukhteev gives here determinations of geographic positions and the four moments of contact, as seen at two points in the northern part of Kostin Shar, with remarks on the weather and the appearance of the sky.

Summary in French covers the work at one observation point only.

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2480. BUKHTEEV, AFANASII MIKHAILOVICH. Prilivy u sibirskago poberezh'ia Sievernogo Ledovitago okeana po nabludeniiam Russkoi Poliarnoi Ekspeditsii v 1900-1903 gg. St.-Petersbourg, 1912-15. 2 v. 7 plates (diagrs., 3 fold.), 3 sketch maps. (Russkaia poliarnaia ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. B, livr. 4-5. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 26, no. 4-5) **Title tr.:** Tides at the Siberian shores of the Arctic Ocean according to the observations of the Russian Polar Expedition in 1900-1903. **Subtitles tr.:** I. Tides at the Zaria roadstead off the northern shore of western Taymyr. II. Tides at the Anjou or New Siberian Islands, in the Nerpalakha Lagoon off the western shore of Koteln'nyi Island. Published with one plate intended for author's *Osnovnye astronomicheskie punkty*, in vol. 26, no. 2.

Contents for each vol. tr.: 1. Arrangement of tide gauge and the observation of sea-level. 2. Average level of obser-

vations. 3. Derivation of harmonic constants of the principal waves of tides. 4. General character of tides. 5. Derivation of times of high and low tides and the amplitude of tides.

Appendixes: tables of observations giving hourly readings for (vol. 1) Dec. 6, 1900-Jan. 5, 1901 and Feb. 3-May 22, 1901 at 76°8'N. 95°8'E.; and (vol. 2) Nov. 14-Dec. 13, 1901, Dec. 23-Jan. 21, 1902, Jan. 24-Feb. 22, 1902, and Mar. 14-Apr. 12, 1902 at 75°22'N. 137°10'E. *Copy seen:* DGS.

2481. BUKIN, V. N., and K. L. POVOLOTSKAIA. Vitaminy na sluzhbu Sovetskemu Severu. (Sovetskii Sever, 1933. T. 4, no. 4, p. 31-39) *Title tr.:* Vitamins in active service of the Soviet Union.

General discussion of the importance of vegetable and fruit consumption by men living in the North. Results of tests carried out by the Vitamin Laboratory of the All-Union Institute for Plant Cultivation in 1932. List of vegetables and fruits containing vitamin C which can be successfully cultivated in the far North. *Copy seen:* DLC.

2482. BULAVKINA, ANNA ALEKSANDROVNA, 1883- . Materialy po rastitel'nosti vdol' linii Murmanskoi zheleznoi dorogi. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1927. T. 26, vyp. 2, p. 154-73) *Title tr.:* Materials on the vegetation along the Murmansk railroad line.

Contains the results of the survey of the vegetation along the Murmansk Railroad (between 62°N. and 69°N.) made by the author in summer of 1917, including data on woods and vegetation of peat bogs, meadows and cultivated areas.

Summary in German.

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2483. BULAVKINA, ANNA ALEKSANDROVNA, 1883- . *Moehringia lateriflora* (L.) Fenzl. i rodstvennye ei vidy. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1926. T. 25, p. 23-34, text map) *Title tr.:* *Moehringia lateriflora* (L.) Fenzl. and related species.

Contains a botanical and ecological study of *Moehringia lateriflora*, a herb native to the arctic regions of Europe, Asia and America, with a key, synonymy, Latin diagnoses of the species

and forms, and detailed data on geographical distribution.

Summary in German.

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2484. BULL, EDVARD, 1881- . Grønland og Norge i middelalderen. (Norske geografiske selskab. Aarbok, 1919-21, pub. 1922. Bd. 31-32, p. 1-36, illus.) *Title tr.:* Greenland and Norway during the Middle Ages.

Colonization of Greenland by the Norsemen and the history of Greenland about 1000-1400, as related to social and economic conditions of Norway.

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2485. BULL, NIELS ROSING. Inspektør Niels Rosing Bull's beskrivelse af Sydgrønlands inspektorat 1802. Med inledning, noter og anmærkninger ved H. Ostermann. (Grønlandske selskab. Aarsskrift, 1918. p. 6-25) *Title tr.:* Inspector Niels Rosing Bull's description of the South Greenland inspectorate in 1802. With introduction, notes and commentaries by H. Ostermann.

Describes conditions in South Greenland districts at end of 18th century and beginning of 19th century; notes geography, weather conditions, missions, fishing, sealing; epidemics; also sailing vessels, harbors, trade and navigation routes. Includes personal notes, statistics, etc. *Copy seen:* NN.

2486. BULLETIN MÉTÉOROLOGIQUE DU NORD. (Instituts météorologiques de Norvège, de Danemark et de Suède). Copenhagen, 1874-1911.

A daily bulletin of weather conditions at synoptic weather stations in Norway, Denmark, and Sweden at 0800 hours in morning and 2000 or 2100 hours at night, beginning from Jan. 1874 and ending 1911.

File seen: DWE.

2487. BULLOCK, DEWEY. The coming highway to Alaska. (Alaska life, Dec. 1944. v. 7, no. 12, p. 3-27, incl. 10 p. of illus. (8 maps))

Description in detail by an engineer who spent three years studying and mapping a route from Seattle to Prince George, B. C., thence to Teslin, Yukon Territory and the present Alaska Highway; with discussion of the advantages of a highway along this route, to the country through which it passes, and its feasibility. *Copy seen:* DLC.

2488. BULYCHEV, IVAN DIMITRIEVICH. Ob opytakh zemledeliia v Kam-

chatkiĕ. (Vsesoĭuznoe geograficheskoe obshchestvo. *Vĕstnik*, 1853. Ch. 8, otd. 2, p. 75-88) *Title tr.*: On attempts at farming in Kamchatka.

Chronologically arranged data from official archives on crops planted and harvested (from about 1725 to 1845). Pointing to consistently poor yields, author opposes extension of agriculture as too uncertain in that climate and a distraction to expert hunters engaged in obtaining valuable furs.

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2489. BULYCHEV, IVAN DIMITRIE-VICH. *Puteshestvie po vostochnoi Sibiri. Chast' I. Ĭakutskaiā oblast', Okhotskii krai. Sanktpeterburg, 1856. 298 p., tables. Title tr.*: Travels in eastern Siberia. Part I, Yakutsk province, Okhotsk region.

Contains a short history of the expansion of Russian rule in Siberia and of Russian administration there. Account of the author's journey from Irkutsk through Yakutsk and Okhotsk to Kamchatka in 1852, with descriptions of the roads, villages, vegetation, the wildlife and inhabitants (Russians, Yakuts, Tungus) and their conditions of life.

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2490. BUNAKOV, E. V. *Ėkonomicheskoe obosnovanie razvitiia olenevodstva Murmanskogo okruga. (Sovetskoe olenevodstvo, 1934. Vyp. 4, p. 107-162, tables) Title tr.*: Development of reindeer husbandry in the Murmansk District, (Kola Peninsula) according to economic conditions.

Summary in English.

Copy seen: CaOA; DF.

2491. BUNAKOV, E. V. *Nenetskii natsional'nyi okrug Severnogo kraia. Moskva, Leningrad, 1936. 84 p., illus., fold. map. (Akademiā nauk SSSR. Poliarnaiā komissiiā. Trudy. Vyp. 29) Title tr.*: The Nenets National District, Northern Region.

A general description of this district (44°-65°E.) of Arkhangelsk Province, its historical background, population and the occupations, fishing, reindeer breeding and sea animal hunting, its mineral resources and their development, transportation, etc. Bibliography, p. 80-81.

Summary in English.

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2492. BUNAKOV, E. V. *Sobakovodstvo Kraĭnego Severa SSSR. (Vsesoĭuznoe*

geograficheskoe obshchestvo. *Izvestiia*, 1935. T. 67, vyp. 3, p. 353-66) *Title tr.*: Dog breeding in the far North, U.S.S.R.

Discussion of dogs and dog breeding, the number and types of dogs, their distribution among the northern population, economic aspects of dog transportation.

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2493. BUNGE, ALEKSANDR ALEKSANDROVICH. 1851-1930. Bericht über den fernen Gang der Expedition. Reise nach den Neusibirischen Insel. Aufenthalt auf der Grossen Ljachof-Insel. (*In: Akademiā nauk SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition (etc.) 1887. p. 231-84) Title tr.*: Report on the further progress of the expedition. Journey to the New Siberian Islands. Visit to Great Lyakhov Island.

During the Toll Expedition to the New Siberian Islands and the Yana region, 1885-86, Dr. Bunge and Baron von Toll undertook a dog sledge journey in April, 1886, from the Yana River to the New Siberian Islands where Dr. Bunge studied Great Lyakhov (Bol'shoi) and Baron von Toll, Koteln'nyi Island. This report gives an account of the dog sledging; description of Bol'shoi Island in the spring and summer, the finding of musk ox, mammoth, and reindeer bones, climate, birds, mountains, rocks, mammals and fishes; and includes a list of birds observed on certain days, Mar.-Sept. 1886.

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2494. BUNGE, ALEKSANDR ALEKSANDROVICH, 1851-1930. Bericht über die im Jana-Gebiet im Sommer 1885 ausgeführten Reisen, nebst einem Verzeichniss der daselbst beobachteten oder erkundeten Säugethiere und Vögel. (*In: Akademiā nauk SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition (etc.) 1887. p. 73-144) Title tr.*: Report on the journey in the Yana region in summer 1885, with a list of the observed or known mammals and birds.

Contains description of the terrain, streams, vegetation, birds and rocks in the Yana-Lena River region, and annotated lists of twenty-six mammals and ninety-six birds found north of 70°N.

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2495. BUNGE, ALEKSANDR ALEKSANDROVICH, 1851-1930. Bericht

über fernere Fahrten im Lena-Delta und die Ausgrabung eines angeblich vollständigen Mammuthcadavers. (Akademiā nauk SSSR. Bulletin, 1886. Sér. 3, t. 30, p. 228-82, sketch map) *Title tr.*: Report on other journeys in the Lena delta and the excavation of a supposed, entire mammoth cadaver.

Drawn from Bunge's letters to a member of the Imperial Academy of Sciences, written from Sagastyr in Sept.-Oct. 1884 and Feb. 1885. Describes the author's activities in the summer and fall of 1884, in the Lena delta region, his explorations, mapping and his natural history and meteorologic observations; his trip into the tundra nearby in quest of a mammoth site, and subsequent journey to a site near Sagastyr where he succeeded in excavating the remains of a mammoth. Includes detailed accounts of Bunge's journeys, with notes on the physical features, natural conditions, and vegetation of the delta and nearby tundra, also details of the digging for the mammoth.

It was on the basis of Bunge's findings during this period, that the Imperial Academy of Science dispatched the Toll expedition to the New Siberian Islands and Yana region in 1885-86. *Copy seen:* DLC.

2496. BUNGE, ALEKSANDR ALEK-SANDROVICH, 1851-1930. Naturhistorische Beobachtungen und Fahrten im Lena-Delta. (Akademiā nauk SSSR. Bulletin, 1884. Sér. 3, t. 29, p. 422-76) *Title tr.*: Natural history observations and travels in the Lena delta.

Letters written to a member of the Imperial Academy of Sciences, from Sagastyr, the Russian station of the First International Polar Year, 1882-83, dated Mar.-Apr. 1884, giving notes on the mammals and insects, an annotated list of fifty birds; description of the physical features of the Lena delta, and an account (in some detail) of Cape Bykov (on Bykov Peninsula) where the author observed sites of mammoth remains. *Copy seen:* DLC.

2497. BUNGE, ALEKSANDR ALEK-SANDROVICH, 1851-1930. Naturhistorische Nachrichten aus der Polarstation an der Lena-Mündung. (Akademiā nauk SSSR. Bulletin, 1883. Sér. 3, t. 28, p. 517-46) *Title tr.*: Natural history bulletin from the polar station of the mouth of the Lena.

A letter, dated Sagastyr, Dec. 1882, to a member of the Imperial Academy of Sciences, written from the Russian station of First International Polar Year, giving an account of the mammals of the lower Lena region, and a list of one hundred one birds, most of which were observed south of the 62°N. parallel. *Copy seen:* DLC.

2498. BUNGE, ALEKSANDR ALEK-SANDROVICH, 1851-1930. Opisanie puteshestviā k ust'ū r. Leny, 1881-1884 g. Die Lena-Expedition, 1881-1884. [St. Petersburg] 1895. p. 1., 96, ii p. 3 plates, 2 fold. maps. (International Polar Year. 1st, 1882-1883. Ekspeditšiā k ust'ū reki Leny, 1882-1884. Trudy Russkoī poliārnoi stantšii. Chast' 1, appendix) *Title tr.*: Account of the Lena Expedition, 1881-1884. Text in Russian and German.

The Russian Geographical Society sent out an expedition to cooperate with the First International Polar Year program. The four scientists and their aides traveled to Yakutsk and thence to Sagastyr' Island in the Lena delta, where a station was erected, and occupied from the fall of 1882 until fall 1884. During this period various side trips were made by the members of the expedition. Dr. Bunge, the physician and naturalist, gives here a detailed account of the journeys and occupations of the party, including descriptions of the Lena delta, the plant and animal life, the seasons, and a visit to a mammoth locality in the delta region. *Copy seen:* DLC.

2499. BUNGE, ALEKSANDR ALEK-SANDROVICH, 1851-1930. Predvaritel'nyi otchet ob ekspeditšii na Novo-Sibirskie ostrova. (Vsesoiūznoe geografičeskoe obščestvo. Izvestiā, 1887. T. 23, p. 573-91) *Title tr.*: Preliminary report on the expedition to New Siberian Islands.

For a fuller report, see Akademiā nauk SSSR. Die von der K. Akademie der Wissenschaften ausgerüstete Expedition nach den Neusibirischen Inseln und dem Jana-Lande (1887).

Narrative of the Bunge-Toll expedition for March-Nov. 1886. After wintering at Kazach'e on the lower Yana, the two explorers crossed the straits from Aidzhergaidakh (about 72°30'N. 141°E.) to Kotel'nyy Island, via Bol'shoy and Malyy (Lyakhovskiy) Islands;

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von Toll then made a trip to Fadyeev-
skiy and Novaya Sibir' Islands, while
Bunge returned to Bol'shoy after sur-
veying part of Kotel'nyy. This report
contains information on methods of
travel (p. 576-77) and the climate,
plants, birds, mammals, and geology of
the islands, mainly Bol'shoy (p. 583-
89). *Copy seen:* DLC.

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2500. BUNGE, ALEKSANDR ALEK-
SANDROVICH, 1851-1930, and E. V. v.
TOLL. Die Neu-Sibirischen Inseln.
(Deutsche geographische Blätter, 1888,
Bd. 11, p. 309-320) *Title tr.:* New Si-
berian Islands.

Based on the report of the Russian
Imperial Academy of Sciences Expedi-
tion to the New Siberian Islands and
the Yana region, 1885-86, carried out
by the authors. Description of the
physical characteristics of the archi-
pelago, the terrain, subterranean ice,
mammoth remains, vegetation, and
shore lines, with introductory remarks
on the expedition. *Copy seen:* DLC.

BUNGE, ALEKSANDR ALEKSAN-
DROVICH, 1851-1930, *see also* Berg-
mann, R. Meteorologische Beobachtun-
gen auf d. Neusibirischen Inseln. 1887.

BUNGE, ALEKSANDR ALEKSAN-
DROVICH, 1851-1930, *see also* Berg-
mann, R. Meteorologische Beobachtun-
gen im Jana-Gebiet. 1887.

BUNGE, ALEKSANDR ALEKSAN-
DROVICH, 1851-1930, *see also* Elenkin,
A. A. Lishainiki, sobrannye Spitsber-
gena. 1907.

BUNGE, ALEKSANDR ALEKSAN-
DROVICH, 1851-1930, *see also* Geo-
graphische Gesellschaft in Bremen. Er-
forschung der Neu-Sibirischen Inseln.
1886.

BUNGE, ALEKSANDR ALEKSAN-
DROVICH, 1851-1930, *see also* Traut-
vetter, E. R. Syllabus plantarum Sibi-
riae. 1887.

BUNNELL, CHARLES E., 1878- ,
see Geist, O. W. Archaeological excava-
tion at Kukulik. 1936 [1937].

2501. BURAKOVSKII, K. V. Nomo-
grammy dlia rascheta skorosti dreifa.
(Severnyi morskoi put', 1939. No. 12,
p. 44-54, diagrs.) *Title tr.:* Nomo-
graphs for the calculation of the speed
of drifts.

Discussion of methods used for the
calculation of drifts, and explanations
for the use of the special graphs pre-
pared for that purpose.

Copy seen: DLC.

2502. BURAKOVSKII, K. V., and
K. K. DERUGIN. Nul' glubin v mo-
riakh Sovetskoi Arktiki. (Severnyi mor-
skoi put', 1940. No. 15, p. 5-21, tables,
diagr.) *Title tr.:* Zero depth in the seas
of the Soviet Arctic.

Discussion of methods used for cal-
culation of the theoretical lowest sea
levels, with tables of zero levels for
seventy-four U.S.S.R. localities.

Copy seen: DLC.

2503. BURCHALL, M. B. Our flying
frontiersmen. (Forest and outdoors,
June 1933. v. 29, p. 133-34, 142, illus.)

Popular article on the freight and
passenger flights of Canadian Airways
Ltd. into arctic (and other) areas.

Copy seen: DA.

2504. BURCHARD, ERNEST FRAN-
CIS, 1875- , and THEODORE CHA-
PIN. Marble resources of southeastern
Alaska, by Ernest F. Burchard, with a
section on the geography and geology,
by Theodore Chapin. Washington, U. S.
Govt. Print. Off., 1920. 118 p. illus. (6
maps) 26 plates (incl. 5 maps) diagrs.
(U. S. Geological Survey. Bulletin 682)

Some sections were published previ-
ously in U. S. Geological Survey, Min-
eral resources of Alaska in 1912-13,
pub. 1913-14.

Contents: Chapin, Theodore. Geog-
raphy and geology, p. 10-17. Eleme-
ntary notes on limestone and marble, p.
17-26.

Burchard, E. F. The marble deposits
(including Chichagof, Admiralty, Ku-
preanof, Prince of Wales, Kosciusko,
Marble, Orr, Heceta, Dall, Long, Blake
(Ham), and Revillagigedo Islands,
Glacier Bay, and parts of the main-
land) p. 26-97. Commercial considera-
tions, p. 97-114. Index, p. 115-18.

Copy seen: DGS.

2505. BUREAU, ÉDOUARD. Liste des
plantes phanérogames recueillies à Jan
Mayen et au Spitzberg. (*In:* Voyage
de "La Manche" à l'île Jan-Mayen et
au Spitzberg (juillet-août 1892) 1894.
p. 219-20) *Title tr.:* List of phanero-
gamic plants collected on Jan Mayen
and Spitzbergen.

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Contains fifty-two species from localities in Advent and Skans Bays and Bell Sound.
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2506. BUREAU OF AMERICAN RE-PUBLICS. Alaska. Washington, 1897. 133 p. (*Its*: Handbook, No. 84) Prepared as part of a chapter on the United States, for the *Commercial directory of the American republics*, 1897, and printed separately in advance.

Contains brief descriptions of the area, population, Indian tribes, geography, topography, climate, towns, forests, agricultural products, fur-seal and other fisheries, mineral resources, commerce, transportation and government.
Copy seen: NNStef.

2507. BURGER, C. P. Over de poolreizen van Barents en Rijp. (K. Nederlandsch Aardrijkskundig Genootschap. Tijdschrift, 1921. Reeks 2, Dl. 38, p. 226-30) **Title tr.:** On the polar voyages of Barents and Rijp.

Notes on old books and maps concerning the late 16th century voyages in Barents Sea and Svalbard waters.

Copy seen: DLC.

2508. BURGESS, J. A. Snowshoes. An outline of the various types of eastern Indian snowshoes, and their development with the aid of steel tools. (Beaver, Mar. 1941. Outfit 271, no. 4, p. 24-28, illus.)

Succinct descriptions with figures to illustrate the types of snowshoes used in eastern Canada.

Copy seen: DSI-M.

2509. BURHOE, RALPH W., and H. P. BOARDMAN. List of current publications on snow and ice. (American Geophysical Union. Transactions, 1942. v. 23, p. 450-61)

List (arranged by subject) of over three hundred fifty papers on snow and ice published 1936-42; includes a section on icing in the atmosphere (icing of aircraft).

Copy seen: DGS; DLC.

2510. BURKARD, O. Ionosphärenbeobachtungen im Polargebiet. (Archiv für Meteorologie, Geophysik und Bioklimatologie, 1948. Ser. A, v. 1, no. 1, p. 93-99, illus., table) **Title tr.:** Observations of the ionosphere in polar regions.

"Gives mean hourly values of critical frequency of microwaves reflected

from F-layer for each month June 1944-April 1945 at Tromsø, N. Norway; maximum near noon and secondary maximum in early morning. Critical frequency much lower on magnetically disturbed than on quiet days."—Meteorological abstracts and bibliography, Apr. 1950, v. 1, no. 4, p. 223.

Copy seen: DWB; MH-BH.

2511. BURKE, A. K. Morskije l'dy. Leningrad, Izd-vo Glavsevmorputi, 1940. 95 p. illus., diagrs. **Title tr.:** Marine ice.

The author, an "ice captain", wrote this while wintering on Franz Josef Land, 1937-38. His presentation of ice classification and ice conditions in the oceanic sections differs from that of N. N. Zubov in his *Morskije vody i l'dy*, 1938, q.v. Burke's study has chapters on formation of ice at sea, properties and peculiarities of ice, thawing of ice, dynamics of ice cover, classifications of seas by ice régime, and a glossary of types of ice with definitions.

Translation in English (typescript) is available at U. S. Navy Hydrographic Office.

Copy seen: NNStef.; DN-HO (photostat).

2512. BURKE, A. K. O periodichnosti v ledovom rezhime. (Sovetskafâ Arktika, 1936, no. 5, p. 86-88, tables) **Title tr.:** On periodicity in the ice régime.

Attempt to show a three-year and thirty-year recurrence of favorable ice conditions in the seas of the Northern Sea Route. Discussed by D. B. Karelin in *O periodichnosti* 1936, q.v.

Copy seen: DLC.

2513. BURKE, A. K. Otchet o plavanii l/p "Sadko" v Karskom more s 22 avgusta po 24 sentiâbrâ, 1934 g. (*In*: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetskim flagom, 1935, p. 18-26, illus.) **Title tr.:** An account of the voyage of the ice-breaker *Sadko* in the Kara Sea, Aug. 22-Sept. 24, 1934. Report by the captain of the ice-breaker.

Copy seen: DLC.

BURKE, CHARLES VICTOR, see Gilbert, C. H., & C. V. Burke. Fishes from Bering Sea & Kamchatka. 1912.

2514. BURKERT, PAUL. Erlebtes Grönland, eine populäre Darstellung. Berlin, Archiv für Arktiskunde, 1935. p. l., 48 p. incl. 16 plates. **Title tr.:** Greenland life, a popular presentation.

Prepared to accompany a film of the same title, made during the Second International Polar Year, June-Nov. 1933. Gives a picture of the way of life in settlements along the west coast of Greenland from Cape Farewell to Sukkertoppen, the character of the coasts, the inland waters, the landscape, and the climate.

Copy seen: NNStef.

2515. BURKHARDT, G. E. Die evangelische Mission unter den Eskimo in Grönland und Labrador, von Dr. G. E. Burkhardt, 2. Aufl. gänzlich umgearb. und bis auf die Gegenwart fortgeführt, von Dr. R. Grundemann . . . Bielefeld und Leipzig, Velhagen & Klasing, 1876. xii p., 1 l., 118 p. (Added t.-p.: Dr. G. E. Burkhardt's Kleine Missions-Bibliothek. 2. Aufl. . . 1. Bd. Amerika, 1 Abth.) *Title tr.:* The evangelical mission among the Eskimo in Greenland and Labrador. 2d edition, completely revised and brought up to date. Revision of the work published in 1857 (87 p.)

History of the Moravian missions; accounts of the natives and a chapter on Hans Egede.

Copy seen: DLC (1876 edition); NNStef (1857).

2516. BURKHER, PAULINE CHASTAIN. From the whale's mouth. (Alaska sportsman, Feb. 1944. v. 10, no. 2, p. 14-15, 24, illus.)

Description of the modern North Alaska Eskimo art of weaving baleen baskets, and preparation of the whale bone.

Copy seen: DLC.

2517. BURKOV, P. I. Berega Novoi Zemli. (Morskoï nauchnyi institut. Trudy, 1930. T. 4, vyp. 1, p. 111-14, illus., (maps)) *Title tr.:* The coasts of Novaya Zemlya.

An excerpt from the report of the commander of the research vessel *Persei*, 1926, calling attention to inaccuracies of existing charts and pointing out anchorages in the Mashigina and Severnaya Sul'meneva Bays (with sketch charts of those bays, indicating the depths).

Copy seen: DF.

2518. BURKOV, P. I. Cheshskaiâ guba. (Morskoï nauchnyi institut. Trudy, 1930. T. 4, vyp. 1, p. 109-110, illus. (map)) *Title tr.:* Cheshskaya Bay.

Excerpt from the report of the commander of the Marine Scientific Institute's research vessel *Persei*, calling

attention to inaccuracies in the existing charts of this region.

Copy seen: DF.

2519. BURKOV, P. I. Donesenie o lediânom pokrove u Shpitsbergena v 1925 g. (Morskoï nauchnyi institut. Trudy, 1926. T. 1, vyp. 1, p. 69-71, sketch maps) *Title tr.:* Report on ice conditions in Svalbard waters, 1925.

Day-to-day observations made during the voyage of the Marine Scientific Institute's research vessel *Persei*, July 25-Aug. 12, 1925, and reported by its captain.

Sketch maps show the distribution of ice formations as observed at various dates off the east coast of West Spitsbergen.

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2520. BURKOV, P. I. Donesenie o lediânom pokrove v Barentšovom more v 1924 g. (Morskoï nauchnyi institut. Trudy, 1926. T. 1, vyp. 1, p. 62-68, sketch map) *Title tr.:* Report on ice conditions in Barents Sea, 1924.

Day-to-day observations made during the voyage of the research vessel *Persei* Sept. 2-15, 1924, and reported by its captain.

Sketch map indicates the location of ice floes and ice fields encountered in the course of the *Persei*, in the area 76°30'-78°50'N. 18°-42°E.

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2521. BURKOV, P. I. Donesenie o lediânom pokrove v Barentšovom more v 1926 g. (Morskoï nauchnyi institut. Trudy, 1930. T. 4, vyp. 1, p. 131-33, diagrs.) *Title tr.:* Report on ice conditions in the Barents Sea, 1926.

Day-to-day ice observations, Aug. 20-Sept. 1, 1927, made by the commander of the research vessel *Persei*.

Copy seen: DF.

2522. BURKOV, P. I. Donesenie o lediânom pokrove v Barentšovom more v 1927 g. (Morskoï nauchnyi institut. Trudy, 1930. T. 4, vyp. 1, p. 134-37, diagrs.) *Title tr.:* Report on ice conditions in the Barents Sea, 1927.

Day-to-day ice observations, June 1-10, and July 19-20, 1927, made by the commander of the research vessel *Persei*.

Copy seen: DF.

2523. BURKOV, P. I. Donesenie o podkhode k mysu Flora na Zemle Frantša Iosifa. (Morskoï nauchnyi institut. Trudy, 1926. T. 1, vyp. 1, p. 61-62, illus., (map)) *Title tr.:* A report on

the approaches to Cape Flora, Franz Josef Land.

Brief report (by the captain of the *Persei*) of shipboard observations off this western extremity of Cape Flora, Northbrook Island, and of some soundings taken at (approximately) 79°50' 31"N. 47°29'29"E., Aug. 30, 1923.

Copy seen: DF.

2524. BURMAKIN, E. V. *Gidrologicheskiĭ i fiziko-geograficheskiĭ ocherk Ob-skoĭ guby i Gydanskogo zaliva.* (Leningrad. Nauchno-issledovatel'skiĭ institut pol'iarnogo zemledeliĭa, zhivotnovodstva i promyslovogo khoz'iĭstva. Seriiĭa "Promyslovoe khoz'iĭstvo", 1940. Vyp. 10, p. 5-32, illus., maps, tables, diagrs.) *Title tr.:* Hydrological and physico-geographical description of Ob Bay and Gydanskiy Bay.

An oceanographic study on temperatures, salinity, chemistry of water, depths, etc., with tables giving coordinates and dates for samples taken.

Copy seen: DLC.

2525. BURMAKIN, E. V. *Gydanskie rybnye promysly.* (Sovetskaiĭa Arktika, 1938, no. 6, p. 51-54, illus.) *Title tr.:* Fishing industry of Gydan Bay.

Notes on fishes of the region, their habitat, the fishing seasons, etc.

Copy seen: DLC.

2526. BURMAKIN, E. V. *Kormovye resursy Gydanskogo zaliva i blizle-zhashchikh vodoemov.* (Leningrad. Nauchno-issledovatel'skiĭ institut pol'iarnogo zemledeliĭa, zhivotnovodstva i promyslovogo khoz'iĭstva. Seriiĭa "Promyslovoe khoz'iĭstvo", 1941. Vyp. 15, p. 159-77, table, diagrs.) *Title tr.:* Food resources in Gydanskiy Bay and in nearby water bodies.

A study of plankton resources in Gydanskiy Bay and in rivers and lakes of the adjoining region, with tables containing data on the quantity and composition of zooplankton fauna in various water bodies, weights of plankton per square meter and an evaluation of local plankton biomasses in comparison with other areas of the northern U.S.S.R. Based on investigations of the Northern Ob River Fisheries Expedition of the Arctic Institute of U.S.S.R., 1936-37. Bibliography (13 items).

Copy seen: DLC.

2527. BURMAKIN, E. V. *Nekotorye malopromyslovye i nepromyslovye ryby iz sistemy Gydanskogo zaliva (osetr,*

omul', shchuka, erish, rogatka i kol'iush-ka). (Leningrad. Nauchno-issledovatel'skiĭ institut pol'iarnogo zemledeliĭa, zhivotnovodstva i promyslovogo khoz'iĭstva. Seriiĭa "Promyslovoe khoz'iĭstvo", 1941. Vyp. 15, p. 149-58, illus., tables) *Title tr.:* Some fishes of little commercial importance, as well as non-commercial fish of Gydanskiy Bay (sturgeon, salmon, pike, ruff, loach and stickle-back varieties).

Descriptions of local varieties of these fish, data on their body measurements, and biological habit, based on various collections taken in Gydanskiy Bay proper and in connected rivers and lakes, Bibliography (19 items).

Copy seen: DLC.

2528. BURMAKIN, E. V. *Pel'iad' bas-seina Gydanskogo zaliva.* (Leningrad. Nauchno-issledovatel'skiĭ institut pol'iarnogo zemledeliĭa, zhivotnovodstva i promyslovogo khoz'iĭstva. Seriiĭa "Promyslovoe khoz'iĭstvo", 1941. Vyp. 15, p. 89-117, map, tables, diagrs.) *Title tr.:* Pel'iad' of the Gydanskiy Bay basin.

Discussion of the distribution of *Coregonus peled* (Gmelin), a variety of whitefish in northern U.S.S.R., (especially in lakes and rivers of the Gydanskiy Bay region), its migrations, rates of growth in various waters; spawning periods; description of several varieties with tables of body measurements. Bibliography (42 items).

Copy seen: DLC.

2529. BURMAKIN, E. V. *Rybolovstvo v sisteme Gydanskogo zaliva.* (Leningrad. Nauchno-issledovatel'skiĭ institut pol'iarnogo zemledeliĭa, zhivotnovodstva i promyslovogo khoz'iĭstva. Seriiĭa "Promyslovoe khoz'iĭstvo", 1941. Vyp. 15, p. 179-203, illus., fold. map) *Title tr.:* Fisheries within the Gydanskiy Bay region.

General account of the recently developing fisheries of the area, based on observations and notes of several members of the Northern Ob River Fisheries Expedition of the Arctic Institute of U.S.S.R., 1936-1937. Includes data on the amount and kind of fish caught, descriptions of methods used by fishermen, and of the organization and conditions of the fisheries.

Copy seen: DLC.

2530. BURMAKIN, E. V., and others. *Rybnyi promysel v severnoi chasti Ob-*

skoï guby. (Leningrad. Nauchno-issledovatel'skii institut pol'arnogo zemledeliâ, zhivotnovodstva i promyslovogo khozâistva. Seria "Promyslovoe khozâistvo", 1940. Vyp. 10, p. 113-36, illus., tables) *Other authors:* G. G. Galkin and V. K. Esipov. *Title tr.:* Fishing industry in the northern part of Ob Bay.

A study of the fisheries, the relative importance of various kinds of fish for the local fish industry and some statistical data on the catch.

Copy seen: DLC.

2531. BURMAKIN, E. V. Ryby Obskol' guby. (Leningrad. Nauchno-issledovatel'skii institut pol'arnogo zemledeliâ, zhivotnovodstva i promyslovogo khozâistva. Seria "Promyslovoe khozâistvo", 1940. Vyp. 10, p. 33-47, diagrs.) *Title tr.:* Fishes of Ob Bay.

Descriptions and distribution of twenty-four species of fish, with remarks on their relative importance for the local fisheries. Bibliography, p. 45-47.

Copy seen: DLC.

2532. BURMAKIN, E. V. Sostav ikhtiofauny basseina Gydanskogo zaliva. (Problemy Arktiki, 1938, no. 3, p. 94-97) *Title tr.:* Ichthyofauna in the basin of Gydanskiy Bay.

Short notes on the distribution and relative importance for fisheries, of sixteen species of fishes, with maximum weights and length.

Copy seen: DLC.

2533. BURMAKIN, E. V. Sostoianie ledianogo pokrova v Obskol' gube. (Problemy Arktiki, 1938, no. 3, p. 85-92, illus.) *Title tr.:* The conditions of ice cover in Ob Bay.

Description of freeze-up and opening in the bay, based on information collected for the Arctic Institute of U.S.S.R. Bibliography (10 items).

Copy seen: DLC.

BURN-MURDOCH, WILLIAM GORDON, 1862- , see also Brown, R. N. R., & W. G. Burn-Murdoch. Naturalist at the Poles, W. S. Bruce. 1923.

2534. BURNHAM, JOHN BIRD, 1869-1939. The rim of mystery; a hunter's wanderings in unknown Siberian Asia. New York, London, G. P. Putnam's Sons, 1929. xv, 281 p. 46 plates incl. ports., fold. map.

Account of a hunting trip in the northeastern part of the Chukotsk Peninsula in search of a rare species of mountain sheep, 1921, with description of Chukchis and Eskimos.

Copy seen: DLC; NNSf.

2535. BURNS, WALTER NOBLE. A year with a whaler. New York, Outing Publishing Co., 1913. 250 p. 16 plates.

The author shipped as a greenhorn on an arctic whaling ship, and relates here his adventures in Bering and Chukchi Seas, with notes on processing the whale aboard ship.

Copy seen: NNSf.

2536. BURPEE, LAWRENCE JOHN-STONE, 1873-1946. Campbell of the Yukon. (Canadian geographical journal, April, 1945. v. 30, p. 200-201, map)

Brief account of Robert Campbell and his discovery of the Pelly-Lewes-Yukon River system, 1840-51.

Copy seen: DLC.

2537. BURPEE, LAWRENCE JOHN-STONE, 1873-1946. A road to Alaska. (Canadian geographical journal, Nov. 1940. v. 21, p. 256-67, illus., sketch maps)

Written by the Secretary of the Canadian Alaska Highway Commission, before the plans for the Alaska Highway were made. Remarks on the early history and exploration of British Columbia and Yukon, and a narrative of the author's flight over southern Yukon Territory, visiting at towns along the way.

Copy seen: DLC.

2538. BURPEE, LAWRENCE JOHN-STONE, 1873-1946. Samuel Hearne finds the Coppermine. (Canadian geographical journal, Mar. 1946. v. 32, p. 146-47, map)

Account of the journey from Fort Prince of Wales, at the mouth of the Churchill River, to the lower Coppermine River, 1771-72.

Copy seen: DLC.

2539. BURPEE, LAWRENCE JOHN-STONE, 1873-1946. Western exploration, 1763-1841. V. The arctic coast. VI. The quest of the North-West Passage. (In: Shortt, A., and A. G. Doughty, eds. Canada and its provinces, 1914-17. v. 4, p. 669-92, 2 ports.)

Sketch of the expeditions (in pt. 5) of Samuel Hearne to the Coppermine River, 1770-72, and Alexander Macken-

zie to the mouth of Mackenzie River, June-Sept. 1789; (in pt. 6) of the overland journeys of Sir John Franklin, 1819-22 and 1825-26, the voyages of Sir John Ross, 1818, 1829-33, and Parry, 1819-20, 1821-23, 1824-25, of Back's search for Ross, 1833-34 and discovery of Back River, the discoveries of Simpson and Dease, 1837-39, and several journeys of exploration in Yukon Territory, 1824-39.

Copy seen: CaO; DLC.

2540. BURPEE, LAWRENCE JOHNSTONE, 1873-1946. Western exploration, 1840-1867. I. The North-West Passage. II. The Far North and the Yukon. (*In:* Shortt, A., and A. G. Doughty, eds. *Canada and its provinces*, 1914-17. v. 5, p. 293-313, 3 plates (incl. 2 ports.))

Brief sketch of the last voyage of Sir John Franklin, and the subsequent search expeditions; and the Hudson's Bay Company's explorations in the interior of central northern Canada, especially Robert Campbell's exploits, 1840-52, in the Yukon region

Copy seen: CaO; DLC.

BURPEE, LAWRENCE JOHNSTONE, 1873-1946, *see also* Murray, A. H. *Journal of Yukon, 1847-48. 1910*

2541. BURR, AGNES RUSH. Alaska, our beautiful northland of opportunity. Boston, Page Co., 1919. xii, 428 p. 54 plates, fold. map.

"Description of its rivers, mountains, glaciers, volcanoes, and other beautiful and unusual scenic features and of the rare delights it offers travellers, big game hunters, mountain climbers, explorers; its towns and pioneer settlements, the government railroad and Mount McKinley National Park; its rich resources; its openings for new business enterprises; its Indians, their primitive customs and present development; its romantic early history when Russian, Spanish and other nations sought its wealth; the Gold Rush days; its present progress and bright future."-Subtitle.

Copy seen: DLC; NNSStef.

2542. BURRILL, MEREDITH FREDERIC, 1902- Soil-temperature in the Matanuska Valley of Alaska: observations of 1941. (American Geophysical Union. Transactions, 1943. v. 24, p. 151-53, tables, diagr.)

Based on work of a General Land Office field party, July 3-Sept. 10, 1941.

Copy seen: DLC.

BURROUGHS, JOHN, 1837-1921, and others. Narrative, glaciers, natives, 1902, *see* Harriman Alaska Expedition, 1899. Harriman Alaska series. v. 1.

2543. BURROUGHS, JOHN, 1837-1921. Narrative of the expedition. (*In* his, and others: Narrative, glaciers, natives. Harriman Alaska series, 1902. v. 1, p. 1-118, 41 plates, fold. map)

Account of the transcontinental train journey, and the voyage from Seattle, via the Inside Passage to Lynn Canal, thence along the Alaskan coast, with numerous calls ashore, to Kodiak, the Shumagin Islands, Umanak, Pribilof, St. Matthew, Hall, and St. Lawrence Islands, Port Clarence, Alaska, Plover Bay on the Chukotsk Peninsula, and return. Includes descriptions of scenery, glaciers, fiords, villages, animals, birds, flowers, and natives. Also published in Burroughs' *Complete writings*. v. 13 *Far and near*, 1924, p. 1-129, with title: *In green Alaska.* *Copy seen:* DLC.

2544. BURROWS, ELIZABETH. Eskimo tales. (Journal of American folklore, Jan.-Mar. 1926, pub. Dec. 1927. v. 39, p. 79-81)

Four tales abstracted from stories collected at Old Hamilton, lower Yukon.

Copy seen: DLC.

BURROWS, ROGER E., *see* U. S. Fish & Wildlife Service. Fishery Products Laboratory. Utilization Alaskan canery waste, 1. 1947.

2545. BURTON, MAURICE, 1898- Hexactinellida. Copenhagen, B. Luno, 1928. 1 p. l., 18 p. illus., table. (Ingolf-expedition, 1895-1896. [Reports] v. 6, pt. 4)

Based on collections made by the cruiser *Ingolf* in Davis and Denmark Straits and southern Greenland Sea. a list, with notes, locations, geographic and bathymetric distribution, of fourteen (including with descriptions, two new) species of sponges.

Copy seen: DSI-M.

2546. BURTON, MAURICE, 1898- Report on the sponges of the Norwegian expeditions to East-Greenland (1930, 1931, and 1932). (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter, 1934. Nr. 61, p. 3-33, illus. incl. map, tables)

List, with some descriptions and localities, of fifty-four species, accompanied by discussion of geographical distribution of sponges, a list of stations where collections were made in 1930, 1931, and 1932, and a table listing sponges recorded from East Greenland waters. Bibliography, p. 30-33.

Copy seen: DLC.

2546A. BURTON, MAURICE, 1898-. *Spongia*. The Folden Fiord, part 13. Tromsø, Norway, 1931. p. 1, 8 p. illus. (Tromsø, Norway. Museum. Skrifter. v. 1, pt. 13)

Annotated list of thirty (including with descriptions, three new) species of sponges from northern Norwegian waters between 67°21'-53'N. 14°40'-15°53'E.

Copy seen: DLC; DSI-M.

2547. BURTON, MAURICE, 1898-, and C. ZIMMER. Zoological results of the Norwegian scientific expeditions to East Greenland. III, 1-2, Oslo, J. Dybwad, 1934. 40 p. illus. (incl. maps, tables) (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 61)

Contents. 1. BURTON, M. Report on the sponges of the Norwegian expeditions to East-Greenland (1930, 1931, and 1932), p. 3-33.

2. ZIMMER, C. Die Cumaceen der norwegischen Expeditionen nach Ost-Grönland 1929, 1930, 1931 und 1932, p. 34-40.

Each report appears in this Bibliography under its author's name.

Copy seen: DGS.

2548. BURWASH, LACHLAN TAYLOR, 1874-1940. Across arctic Canada, 1925-1926. (Geographical journal, Dec. 1929. v. 74, p. 553-68, sketch map)

Account of a trip on a Hudson's Bay Co. supply ship from Mackenzie delta eastward to Hudson Bay, wintering on King William Island; and of the author's activities collecting for the Canadian government "economic, geological, botanical, anthropological, and other information en route." Includes remarks on harbors, ice conditions, Eskimos, game, and weather.

Copy seen: DLC.

2549. BURWASH, LACHLAN TAYLOR, 1874-1940. The Franklin search. (Canadian geographical journal, Nov. 1930. v. 1, p. 587-603, illus., ports., sketch map)

Recounts a native Eskimo story heard by the author during a visit to King

William Island in 1928-29, along with facts from the evidence and tales brought to light by M'Clintock, Hall, Schwatka and others, reconstructing the last stages of the Franklin Expedition.

Copy seen: DLC.

BURWASH, LACHLAN TAYLOR, 1874-1940, *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Canada's Western Arctic. 1931.

BURWASH, LACHLAN TAYLOR, 1874-1940, *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Coronation Gulf copper deposits. 1930.

BURWASH, LACHLAN TAYLOR, 1874-1940, *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Mining developments Mackenzie 1922. 1923.

BURWASH, LACHLAN TAYLOR, 1874-1940, *see also* Polunin, N. V. On some plants from Salisbury Island. 1940.

2550. BUSER, ROBERT d. 1931. Notes sur les plantes distribuées, et diagnoses des espèces nouvelles ou peu connues. (Chambésy, Switzerland (Geneva). Herbar Boissier. Bulletin, 1893. Bd. 1, Appendix No. 2, p. 18-35) *Title tr.*: Notes on plants and diagnoses of new or little known species.

Contains French descriptions of twelve new species of herbaceous genus *Alchemilla* including *A. glomerulans* native to Lapland, Greenland and Labrador; the descriptions of two Scandinavian species (including *A. glomerulans*) were republished in *Botaniska notiser*, 1893, p. 171-75.

Copy seen: MH-A.

2551. BUSER, ROBERT, d. 1931. Sur les *Alchemilles subnives* leur ressemblance avec l'*A. glabra* Poir. (*fissa* Guenth. et Schum.) et leur parallélismes avec les espèces de régions inférieures. (Chambésy, Switzerland (Geneva). Herbar Boissier. Bulletin, 1894. Bd. 2, no. 1, p. 34-38, no. 2, p. 94-113) *Title tr.*: On *Alchemilla subnives*, their resemblance to *A. glabra* Poir. (*fissa* Guenth. and Schum.) and their relationship to species of lower regions.

Contains a taxonomic discussion on, and comparison of the groups *subnives* and *glabra* of the herbaceous

genus *Alchemilla* and descriptions of ten new species, including *A. Wichurae*, a boreal-arctic race of *A. connivens*, native to Qvikkjokk, Lule Lappmark and East Greenland; descriptions of this and two other Scandinavian species were republished in Botaniska notiser, 1894, p. 226-29. **Copy seen:** MH-A.

2552. BUSH, ELIZAVETA ALEK-SANDROVNA, 1886-. Diapensiaceae et Primulaceae. Leningrad, 1926. 81 p. illus. (In: Bush, E. A., and others. Flora Sibiri, 1913-31, vyp. 4)

Contains a monographic treatment of one species of *Diapensia* and sixteen of *Primula*, including some native to arctic regions and Kamchatka Peninsula.

Copy seen: MH-A.

2553. BUSH, ELIZAVETA ALEK-SANDROVNA, 1886-. Ericaceae. Petrograd, 1915-19. 142 p. 3 plates, illus. (In: Bush, E. A., and others. Flora Sibiri, 1913-31. Vyp. 2, 1915, p. 1-80, 2 plates, illus.; Vyp. 3, 1919, p. 81-142, plate, illus.)

Contains a monographic treatment of the family Ericaceae with critical description (Latin and Russian) of thirteen genera and thirty-two species, including some arctic species.

Copy seen: MH-A.

2554. BUSH, ELIZAVETA ALEK-SANDROVNA, 1886-, and others. Flora Sibiri i Dal'nägo Vostoka izdavaemäa Botanicheskim muzeem Imperatorskoi Akademii nauk. S. Petersburg, Gosud. tipogr., 1913-1931. 6 vyp. **Title tr.:** Flora of Siberia and the Far East, edited by the Botanical Museum of the Imperial Academy of Sciences of St. Petersburg.

Contents include BUSH, N. A. Cruciferae.

BUSH, N. A. Papaveraceae.

BUSH, E. A. Ericaceae.

BUSH, E. A. Diapensiaceae et Primulaceae.

FOMIN, A. V. Pteridophyta-Filicales.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: MH-A.

2555. BUSH, KATHARINE JEAN-NETTE, 1855-. Catalogue of Mollusca and Echinodermata dredged on the coast of Labrador by the expedition under the direction of Mr. W. A. Stearns, in 1882. (U. S. National Museum. Proceedings, 1883, pub. 1884. v. 6, p. 236-47, plate IX)

List, with localities and synonymy, of eighty-two molluscs and fifteen echinoderms collected by Stearns on the southeastern Labrador coast, and thirty molluscs and seven echinoderms recorded by A. S. Packard from Labrador.

Copy seen: DLC.

2556. BUSH, KATHARINE JEAN-NETTE, 1855-. Tubiculous annelids. (Harriman Alaska Expedition, 1899, Harriman Alaska series, 1904. v. 12, p. 167-355, 25 plates) Reissued without change and with added title page by Smithsonian Institution, 1910.

List (with descriptions, notes on synonymy and localities, and discussion of distribution), which includes thirty-five new species, of marine annelids from Alaska (Bering Sea, and the waters of Kodiak, Prince William Sound and Yakutat Bay).

Copy seen: DLC.

2557. BUSH, NIKOLAI ADOL'FO-VICH, 1869-1941. Botaniko-geograficheskii ocherk. I. Evropeiskaya Rossiia. Petrograd, Ross. Gosud. Akad. Tipogr., 1923. 87 p. fold. map. (Akademiia nauk SSSR. Komissiiä po izucheniiu estestvennykh proizvoditel'nykh sil Rossii. Estestvennye proizvoditel'nye sily Rossii. T. 5. Rastitel'nyi mir. Otdel 1) **Title tr.:** Geobotanical sketch of Russia. I. European Russia.

Contains data on the division of the vegetation of European Russia into natural geobotanical regions, including tundra and forest tundra, also smaller units; bibliography (172 items).

Copy seen: NN.

2558. BUSH, NIKOLAI ADOL'FO-VICH, 1869-1941. Cruciferae. (In: Bush, E. A., and others. Flora Sibiri, 1913-1931. Vyp. 1, 1913, p. i - xxv, 80-176, illus., map; vyp. 2, 1915, p. 177-272, plate, illus.; vyp. 3, 1919, p. 273-392, illus.; vyp. 4, 1926, p. 393-490, illus.; vyp. 6, 1931, p. 491-713, illus., diags.)

Contains a monographic treatment of all species of the family Cruciferae known from Siberia and the Far East, including some native to arctic regions; supplemented with a map illustrating the subdivision of U.S.S.R. into twenty-eight geobotanical regions.

Copy seen: MH-A.

2559. BUSH, NIKOLAI ADOL'FO-VICH, 1869-1941. Obzor rabot po fitogeografii Rossii za 1915-1917 gg. (Botanicheskii zhurnal, 1918. T. 3, no. 1-4)

p. 61-179) *Title tr.*: Review of the works on phytogeography of Russia for the years 1915-1917.

Contains a critical review of the works on phytogeography of Russia for the years 1915-17, arranged by subject and geographical regions, and a bibliography (459 items) including a few works on the arctic regions of Russia.

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2560. BUSH, NIKOLAI ADOL'FOVICH, 1869-1941. Papaveraceae. (*In*: Bush, E. A., and others. Flora Sibiri, 1913-1931. Vyp. 1, p. 1-80, 2 plates, illus.)

Contains a monographic treatment of the poppy family (Papaveraceae) with descriptions of twenty-four species (in 7 genera), with keys, synonymy, critical notes, distribution and literature citations; includes some arctic species.

Copy seen: MH-A.

2561. BUSH, NIKOLAI ADOL'FOVICH, 1869-1941. Tsikl geograficheskikh ras sbornogo vida. *Arabis petraea* Lam. v Sibiri i na Dal'nem Vostoke i ego istoriia. (Leningrad. Glavnyi botanicheskii sad R.S.F.S.R. Botanicheskie materialy gerbariia, 1922. T. 3, vyp. 3-4, p. 9-16, map) *Title tr.*: The cycle of geographic races of the conspecific genus *Arabis petraea* Lam. in Siberia and in the Far East, and its history.

Contains synonymy, critical notes and data on the history of development and geographical distribution of one conspecific of this herb from Novaya Zemlya, one from Yakutia and one from Kamchatka Peninsula and Kamchatka province.

Copy seen: MH-A.

2562. BUSH, RICHARD JAMES. Reindeer, dogs, and snow-shoes: a journal of Siberian travel and explorations made in the years 1865, 1866, and 1867. New York, Harper & Brothers, 1871. xx p., 2 l., [25]-529 p. incl. illus., 9 plates. fold. map. Reprinted in 1899.

Account of the journey of one member of the Russo-American telegraph expedition (Western Union Telegraph Co.) in the area along the west coast of Okhotsk Sea, northeastward to Anadyr Bay (ca. 65°N.) on Bering Sea. Includes description of the landscapes, hunting, traveling in different seasons and by various means, the Kamchadals, Gilyaks, Koryaks, and Chukchis, also notes on food, frostbite and snow blindness.

Copy seen: DLC; NNSf.

2563. BUSHEY, ARTHUR C. Boats in cold weather. Notes on factors to be considered and met in the operation of small boats under low temperature conditions. (American Society of Naval Engineers. Journal, May 1949. v. 61, p. 365-67)

Notes on cold weather starting of internal combustion engines, on a coolant heater, operation in slush ice, fuels, de-icing of boats and protection of boat against ice.

Copy seen: DLC.

2564. BUSHKEVICH, V. A. Pastusheskoe sobakovodstvo. (*In*: U.S.S.R. Ministerstvo sel'skogo khoziaistva. Upravlenie raionov Krainego Severa. Severnoe olenevodstvo, 1948, p. 339-46) *Title tr.*: Shepherd dog breeding.

This section of popular-scientific manual by a group of scientists, on reindeer raising, discusses the Eskimo dog as a reindeer shepherd dog; its qualities in supervision and management of herds; the breeding, training and feeding of reindeer dogs.

Copy seen: DLC.

2565. BUSHMAKIN, N. The brain of the Yakuts. (American Journal of physical anthropology, 1936. v. 21, p. 29-37 illus.)

General description of physical characteristics of Yakuts, with detailed notes on the brain. Bibliography.

Copy seen: DLC.

2566. BUSK, GEORGE, 1807-1886. List of Polyzoa collected by Captain H. W. Feilden in the North Polar Expedition; with descriptions of new species. (Linnean Society of London. Journal; zoology, 1880. v. 15, p. 231-41, plate)

List, with synonyms, localities, arctic distribution, depths and bottom types, of sixteen (including with descriptions three new) species, from waters north of Smith Sound. Abridged version appears as Appendix no. 10, in Sir G. S. Nares, *Narrative of a voyage to the polar sea during 1875-6, etc.*, pub. 1878 q.v.

Copy seen: DSI-M.

2567. BUTKEVICH, V. S. Metodika bakteriologicheskogo issledovaniia i nekotorye dannye po raspredeleniiu bakterii v vode i gruntakh Barentsova moria. (Gosudarstvennyi okeanograficheskii institut. Trudy. Moskva, 1932. T. 2, vyp. 2, p. 5-39, map, tables, diagrs.) *Title tr.*: Methods of bacteriological investigation, and some data

on the distribution of bacteria in the waters and bottom of Barents Sea.

Discussion of methods and implements used by the Bacteriological Dept. of the State Institute of Oceanography. Data on distribution is based on materials collected by the *Persei* in Aug. 1928, Sept. 1929, and May 1931, at stations up to 78°5'N. shown on map. Tables and diagrams show amount of bacteria at various depths and bottom, their characteristics and relation to concentration of salt, temperature, and spore formation. Summary in German.

Copy seen: NN.

2568. BUTKEVICH, V. S. Obrazovanie morskikh zhelezo-margantsovykh otlozhenii i uchastvuiushchie v nem mikroorganizmy. (Morskoï nauchnyi institut. Trudy, 1927. T. 3, vyp. 3, p. 5-80, 7 plates) *Title tr.*: The formation of marine ferro-manganese deposits and the microorganisms taking part in this process.

Investigation of bacteria found in ferro-manganese bottom sediments taken from the Pechora and White Seas by the *Persei* expeditions of the Marine Scientific Institute. Summary in German.

Copy seen: DF.

2569. BUTLER, ARTHUR GARDNER, 1844-. Description of a new species of *Argynnis* from arctic America. (Entomologists' monthly magazine, Feb. 1877. v. 13, p. 206)

Argynnis improba, a butterfly collected by personnel of H. M. S. *Enterprise*, 1850-55, at either Winter Cove or Cambridge Bay on Victoria Island.

Copy seen: DSI-M.

2570. BUTLER, ARTHUR GARDNER, 1844-, and W. F. KIRBY. List of insects collected by Miss Elizabeth Taylor in western North America in the summer of 1892. (Annals and magazine of natural history, July 1893. Ser. 6, v. 12, p. 11-21)

Includes a list of forty-five butterflies and moths including, with descriptions, two new species, many of which were found along the Slave and Mackenzie Rivers.

Copy seen: DSI-M.

BUTLER, BERT SYLVENUS, 1877-. see Tarr, R. S. & B. S. Butler. Yakutat Bay region, Alaska. 1909.

BUTLER, CHARLES, see U.S. Fish & Wildlife Service. Fishery Products Laboratory. Utilization Alaskan cannery waste, 1. 1947.

2571. BUTLER, L. The genetics of the colour phases of the red fox in the Mackenzie River locality. (Canadian journal of research, Dec. 1947. v. 25, sec. D, p. 190-215, illus. (2 sketch maps, tables, diagrs.))

"The proportions of the three colour phases are shown to vary with (1) locality, (2) state of population cycle, (3) population trend, and (4) migration pressure." Bibliography (12 items).

Copy seen: DSI-M.

2572. BUTLER, RALPH E. Monster mammals of Aleutian seas. (Alaska sportsman, Apr.-May, 1945. v. 11, no. 4, p. 8-9, 33-41; no. 5, p. 12-13, 25-31, illus.)

Description of life on a whaling vessel, hunting and habits of the blue and sperm whale (also other varieties) and notes on uses made of whales.

Copy seen: DLC.

2573. BUTORIN, D. Rasskaz botmana. (Sovetskaiâ Arktika, 1940, no. 8, p. 46-53, illus.) *Title tr.*: The boat-swain's report.

Account of the ice-breaker *Sedov's* drift in the Arctic Basin.

Copy seen: DLC.

2574. BUTSON, A. R. C. Acclimatization to cold in the Antarctic. (Nature, Jan. 22, 1949. v. 163, p. 132-33)

Brief discussion of human physiological reactions to cold, noted by the author and others, with remarks on amount of clothing used.

Copy seen: DLC.

2575. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Bemerkungen über die geographische Verbreitung der Vögel im nordöstlichen Sibirien. (Journal für Ornithologie, 1908. Jahrg. 56, p. 282-94) *Title tr.*: Remarks on the geographic distribution of birds in northeastern Siberia. Translated from an English ms.

Based on the author's observations and collections, 1905, a discussion and list of additions to arctic birds in H. Schalow's *Die Vögel der Arktis*, 1904. Buturlin uses the 59°N. parallel as the southern boundary of his area of interest and excludes Kamchatka and the Okhotsk Sea coasts; tables show the most northerly distribution of certain species, endemic species of Yakutia, Chukotsk, Kolyma and Yana regions.

Copy seen: DSI-M.

2576. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. The breeding grounds of the rosy gull. (Ibis, Jan. 1906. ser. 8, v. 6, p. 131-39)

Description of terrain and climate of the Kolyma delta region in Yakutia, and the author's in-progress report on his observations of the rosy gull *Rhodestethia rosea*, its nesting habits, eggs, etc.

Copy seen: DLC.

2577. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Chto takoe "Sever", kto tam zhivet i budushchee mirovye znachenie ego. (In: Sovetskii Sever; pervyi sbornik statei, 1929, p. 5-65, illus., tables) **Title tr.:** What does the North represent, who lives there, and its future world importance.

General review in popular style of the arctic regions, the population, climate, vegetation, animal life, its drawbacks and attractive features.

Copy seen: DLC.

2578. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Kak okhotnitsia na Severe. (In: Sovetskii Sever; pervyi sbornik statei, 1929, p. 134-50, illus.) **Title tr.:** Hunting methods in the North.

Outline of hunting in the Soviet North, based on the author's experience; methods, techniques, and implements used in hunting and trapping.

Copy seen: DLC.

2579. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Kratkii obzor semeistva popolznei (Sittidae). (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1916. T. 44, vyp. 2, p. 143-73) **Title tr.:** A short review of nuthatches (Fam. Sittidae).

Contains data on the history of the study of the fam. Sittidae, a key to the genera, a conspect of thirty-four species and eighty-five subspecies of nuthatches, including *Sitta arctica*, native to Yakutsk region (60°-68°N.) Summary in English.

Copy seen: DLC.

2580. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Ob okhotnich'em sovkhoe na Novo-Sibirskikh ostrovakh. (Sovetskii Sever, 1931, no. 7-8, p. 182-88) **Title tr.:** On a hunter's collective on the New Siberian Islands.

Description of the islands from the viewpoint of organizing a hunters' collective there. Data on the size of the islands, their rivers, flora, and fauna.

Copy seen: DLC.

2581. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Okhotnich'i resursy i okhota na Severe. (Sovetskii Sever, 1930, no. 1, p. 87-99) **Title tr.:** Hunting resources and hunting in the North.

Discussion of hunting methods, implements, weapons and game in the Soviet North; decrease in fur-bearing animals; need for conservation measures especially biological surveys to ascertain the size of animal reserves.

Copy seen: DLC.

2582. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. On bean-geese. (Bombay Natural History Society. Journal, Feb. 1907. v. 17, p. 603-607)

Notes on distinguishing characteristics of several subspecies of bean-geese, which the author had observed from Kolguyev Island, Novaya Zemlya and Kolyma River regions.

Copy seen: DSI-M.

2583. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Predvaritel'nyi kratkii otechet o poezdke na ostrov Kolguev lietom 1902 goda. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1903. T. 39, p. 228-48, map) **Title tr.:** A short preliminary report concerning a trip to Kolguyev Island in the summer of 1902.

Summary of results (p. 230-32), followed by narrative of the expedition (led by the author), the purpose of which was collecting zoological and botanical specimens, surveying the route, and studying the island and its inhabitants. **Map** (route) of Kolguyev Island, scale 1:630,000.

Copy seen: DLC.

2584. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Promyslovoe ruzh'e. (Sovetskaiia Arktika, 1935, no. 3, p. 69-71) **Title tr.:** The hunting gun.

Discussion of various kinds of firearms used in hunting and need for their improvement in the U.S.S.R.

Copy seen: DLC.

2585. BUTURLIN, SERGEI ALEK-SANDROVICH, 1872-1938. Ptitsy Dal'nogo vostoka. VII. (Ornitologicheskii vestnik, 1916-17. G. 7, p. 209-228; G. 8, p. 73-88) **Title tr.:** On the birds of the Far East. Part 7 of a survey published in various magazines under various titles.

Annotated list of forty-four species and subspecies of birds, with localities, record of some specimens, and remarks on six new subspecies. Area includes Sea of Okhotsk, Kamchatka, Cape Dezhnev, Bering Sea, and Bering Strait. All specimens in Grodekovskii Museum (Khabarovsk) and the Vladivostok Museum of the Society for Study of Amurskii Krai.

Copy seen: DSI-M (Birds).

2586. BUTURLIN, SERGEI ALEKSANDROVICH, 1872-1938. Red-spotted bluethroat of Alaska. (Auk, Jan. 1908. v. 25, p. 35-37)

The author places the Alaskan form with the east Siberian form *Cyanecula svecica robusta*, giving dimensions, and notes to support his opinion.

Copy seen: DSI-M.

BUTURLIN, SERGEI ALEKSANDROVICH, 1872-1938, *see also* Sovetskii Sever. 1929.

BUTURLIN, SERGEI ALEKSANDROVICH, 1872-1938, *see also* Zhitkov, B. M., & S. A. Buturlin. Po Sïveru Rossii, 1901.

BUXTON, N. G., *see* Allen, J. A. Report on mammals in N. E. Siberia. 1903.

BUYNITSKY, V., *see* Buinitskii, Viktor Kharlamp'ovich.

2587. BYCHKOV, ALEKSANDR. Ocherki Ìakutskoi oblasti; s ust'ia reki Leny (putevyia zamietki). Tomsk, P. I. Makushin, 1899. 3 p. l., 68 p., 1 l., fold. map. *Title tr.:* Notes on Yakut province; from the mouth of the Lena River (traveling notes).

Reprint of articles published in the newspaper *Sibirskaiu Zhizn'* (Siberian Life) in 1898, containing a description of living conditions and prospects of the inhabitants around the mouth of the River Lena, 1897. *Map:* Lena River from the mouth to the village Bulun (about 70 miles). *Copy seen:* DLC.

2588. BYERS, FRANK M. 1916- , and W. W. BRANNOCK. Volcanic activity on Umnak and Great Sitkin Islands, 1946-1948. (American Geophysical Union. Transactions, Oct. 1949. v. 30, p. 719-34, illus.)

Based on U. S. Geological Survey Aleutian research program, a report on observations of volcanoes, temperatures of fumaroles, collections and analyses

of products of volcanic activity; with a bibliography (18 items).

Copy seen: DGS.

BYERS, FRANK M., 1916- , *see also* Barnes, F. F., & F. M. Byers. Geol. & coal E. lower Matanuska valley. 1945.

2588A. BYERS, HORACE ROBERT, 1906- . Data from aerological soundings at Fairbanks, Alaska, during the winters 1936-37 and 1937-38. Washington, U. S. Govt. Print. Off., 1940. 2 p. l., 35 p. incl. tables. (U. S. Weather Bureau. Monthly weather review. Supplement no. 40)

"Conducted by the Weather Bureau under Bankhead-Jones Special Research Fund. Prepared for publication by the Air Mass Analysis Section, Meteorological Research Division, Weather Bureau." Free-air data for significant levels obtained by airplane soundings, 1936-37, airplane and radiosonde observations, 1937-38; and free-air data for standard levels above sea level obtained by means of airplane and pilot-balloon observations, 1936-37, and 1937-38.

Copy seen: DWB.

2588B. BYERS, HORACE ROBERT, 1906- , and V. P. STARR. The circulation of the atmosphere in high latitudes during winter. Washington, U. S. Govt. Print. Off. 1941. p. l., 34 p., 1 l. incl. diagrs. (U. S. Weather Bureau. Monthly weather review. Supplement no. 47) "Investigation conducted by the Weather Bureau under Bankhead-Jones Special Research Fund."

Discussion of the formation of continental arctic air, the prevailing temperature and lapse rates at Fairbanks and Fort Smith, the January upper air pressures, North American winter weather, and vertical cross sections (illustrated fully) running from Fairbanks to Fort Smith. Based on airplane soundings of the upper air and terrestrial radiation measurements twice daily in the winter 1936-37 at Fairbanks, airplane and pilot balloon soundings at Fort Smith, Northwest Territories, aerologic soundings at Fairbanks, 1937-38, by radiosondes, and snow-surface temperature measurements at these stations and others in northern part of the United States. *Copy seen:* DWB.

2589. BYKOV, A. F. Ukazatel' noveishei literatury po ledovym obrazovaniu. (1930-1934). (Vsesoiuznoe geo-

graficheskoe obshchestvo. Izvestiia, 1935. T. 67, vyp. 5, p. 636-53) *Title tr.*: Index to the newest literature on ice formations.

A bibliography of four hundred sixty-three items, including material on arctic regions, under the following headings: 1. Ice and its properties. 2. Ice periods. 3. Ice caves. 4. Glaciers. 5. Glacier deposits. 6. Permafrost (sixty-one items). 7. Ice on river and lakes. 8. Anchor ice. 9. Marine ice. 10. The technology of ice. 11. Travel on ice. 12. Miscellaneous.

Copy seen: DLC.

2590. BYKOV, N. I. Vechnaia merzloti i stroitel'stvo Igarki. (TSentral'noe biuro kraevedeniia. Za industrializatsiiu sovetskogo vostoka. Moskva, 1934, p. 42-79, illus., 2 plates, map, diagrs.) *Title tr.*: Permafrost and construction in Igarka.

Extent of permafrost in the Igarka region; lessons learned in 1931-32 when foundations of buildings were being laid; conclusions on the best way of laying foundations.

Copy seen: DLC.

2591. BYKOV, N. I., and P. N. KAPTEREV. Vechnaia merzloti i stroitel'stvo na nei. Moskva, Gosudarstvennoe transportnoe zheleznodorozhnoe izd-vo, 1940. 372 p., illus., diagrs. *Title tr.*: Permafrost and construction on it.

Behavior of permafrost, its action on buildings, railways and bridges, recommended precautions; based on experimental work near Chita.

Copy seen: DLC.

2592. BYRD, RICHARD EVELYN, 1888-. The first flight to the North Pole. (National geographic magazine, Sept. 1926. v. 50, p. 356-76, incl. 9 p. of illus.)

Account of the flight from King's Bay, West Spitsbergen to the North Pole and return, by the author and Floyd Bennett in the *Josephine Ford*, a three-engined Fokker monoplane, on May 9, 1926. Describes the unloading of the monoplane, the hazards of takeoff, difficulties of navigating over the polar sea, and the sun-compass used to guide the flight.

Copy seen: DLC.

2593. BYRD, RICHARD EVELYN, 1888-. Flying over the Arctic. (National geographic magazine, Nov. 1925. v. 48, p. 519-32, illus.)

Account of flights made from Etah on the MacMillan Expedition, Aug. 1925, by U. S. Navy fliers and planes. The flights were over Smith Sound and Ellesmere Island, in difficult flying conditions, with a final flight over the Greenland icecap. *Copy seen:* DLC.

2594. BYRD, RICHARD EVELYN, 1888-. Polar exploration by aircraft. (In: American Geographical Society, N. Y. Problems of polar research, 1928. p. 380-94, illus.)

Discussion of the problems of structure and mechanics of landing and take-off, and of air navigation, with note on merits of sledges, airships and airplanes.

Copy seen: DLC.

2595. BYRD, RICHARD EVELYN, 1888-, and VILHJALMUR STEFANSSON. The arctic flying of Captain Wilkins and Lieutenant Eielson. (Science, May 27, 1927. New ser. v. 65, p. 523-25)

Summary of pioneering flights from Fairbanks to Point Barrow and over Beaufort Sea, 1926-27.

Copy seen: DLC.

2596. BYRNE, NORMAN W. Discovery nears production. (Western miner, Oct. 1948. v. 21, no. 10, p. 54-58, illus.)

Discussion in some detail of the development by Discovery Yellowknife Mines Ltd. of the property fifty miles north and inland from Yellowknife Bay, Great Slave Lake; description of the geology, drilling program, mining plant, ore reserves, mill equipment, operating estimate, and the community facilities.

Copy seen: DGS.

2597. BYRNE, NORMAN W. Report from Yellowknife. (Western miner, Nov. 1948. v. 21, no. 11, p. 45-47, illus.)

Notes on opening of the Snare River power project, Oct. 4, 1948, and on gold mines and mining in the Yellowknife region during October.

Copy seen: DGS.

2598. BYZOV, N. P. Opyt ispol'zovaniia sharo-pilotnykh nabliudenii dlia prognoza pogody v raione Karskogo moria. (Klimat i pogoda, 1936, no. 3, (66), p. 1-11 maps; no. 4, (67), p. 16-28, maps) *Title tr.*: Experimental work of using pilot balloon observations for weather forecasting in the region of the Kara Sea.

The improvements in weather analyses and forecasts for the Kara Sea by the use of upper wind data are cited; shows also that upper winds are significant indicators of the development of cyclones. Synoptic weather charts and upper wind data in the Kara Sea area are studied in this connection.

Copy seen: DWB.

2599. CABOT, EDWARD C. Dual-drainage anomalies in the far North. (Geographical review, July 1946. v. 36, p. 474-82, illus., map)

Discussion of examples in Labrador, Canadian and Alaskan coastal plains, and at Great Bear Lake, of two streams flowing from the same lake, a phenomenon which the author associates with youthful erosion in areas of recent ice retreat.

Copy seen: DLC.

2600. CABOT, EDWARD C. The northern Alaskan coastal plain interpreted from aerial photographs. (Geographical review, Oct. 1947. v. 37, p. 639-48, incl. 5 p. of illus.)

Remarks on the physiographic provinces of the region between the arctic sea and the Brooks Mts., from the Canning River westward; the permafrost, soil polygons, and (in more detail) the formation and cycle of lakes.

Copy seen: DLC.

2601. CABOT, WILLIAM BROOKS, 1858- . In northern Labrador. London, J. Murray, 1912. xii p., 1 l., 292 p. front., 24 plates, ports. Also issued in Boston by R. G. Badger.

The author spent several seasons in the central northern Labrador interior, 1903-1910, and records here his knowledge of the country, the trails, hunting and fishing among the Montagnais Indians.

Copy seen: DLC; NNStef.

2602. CABOT, WILLIAM BROOKS, 1858- . Labrador. Boston, Small, Maynard & Co., [c1920] xiii, 354 p. 48 plates, ports., maps on lining papers. Also published in London.

The larger part of the material in this book was issued in the author's *Northern Labrador*, q.v. and is here given in revised and amplified form. cf. Pref. *Copy seen:* DLC; NNStef.

CABOT, WILLIAM BROOKS, 1858- , see also Ellis, M. B. H. Woman's way through Labrador. 1908.

CABOT, WILLIAM BROOKS, 1858- , see also Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

2603. CADELL, HENRY MOUBRAY, 1860-1934. Coal-mining in Spitsbergen. (Institution of Mining Engineers. Transactions, Jan. 1921. v. 60, p. 119-42, illus., 2 sketch maps)

Contains general description of the geology of the Carboniferous, Cretaceous, and Tertiary coalfields, of mining in frozen ground, of the coal mines, and a special note on Lowe Sound (Van Mijenfjorden).

Copy seen: DLC.

2604. CADELL, HENRY MOUBRAY, 1860-1934. The Klondike and Yukon goldfield in 1913. (Scottish geographical magazine, July 1914. v. 30, p. 337-56, illus., 4 plates) Reprinted in Smithsonian Institution. Annual report 1914, pub. 1915. p. 363-82, 6 plates on 3 l.)

Description of the country, mining development and methods, based on a visit by the author.

Copy seen: DLC.

2605. CADELL, HENRY MOUBRAY, 1860-1934. Spitsbergen in 1919. (Scottish geographical magazine, Jan. 1920. v. 36, p. 1-10, illus.)

Contains a review of the situation ended by decision on Norwegian sovereignty over Svalbard, and withdrawal of British interests on the island; a description of its physical and geologic features, the coal deposits and other resources.

Copy seen: DLC.

2606. CADWALD, JOHN. Planned parenthood for Alaska. (Alaska life, Dec. 1940. v. 3, no. 12, p. 3, 14-15, 18)

Discussion of need for birth control education for the native population (only) of Alaska. *Copy seen:* DLC.

2607. CADY, WALLACE MARTIN, 1912- . Quicksilver deposits in the Cinabar Creek area, Georgetown and Akiak districts, southwestern Alaska. Washington, [1944] 7 p. 4 maps (2 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports.) Mimeographed.

As a result of field work in July 1943, on this tributary of the Kuskokwim River at about 60°40'-55°N. 158°40'-159°07'W., the author describes the area's physical features, accessibility, history and development, and general

geology; and in more detail the ore deposits, four lodes already claimed, and the ore reserves.

Copy seen: DGS.

2608. CADZOW, DONALD A. Native copper objects of the Copper Eskimo. New York, Museum of the American Indian, Heye Foundation, 1920. 22 p. 11 plates. (Indian notes and monographs . . . [Miscellaneous, no. 8])

Description of construction and use of various fishing hooks, knives, sealing equipment, arrowheads, etc.; based on specimens and information collected from Copper Eskimos visiting Fort Norman, while the author was there during an expedition in the Mackenzie River district for the Heye Foundation 1919. Subsequent discussion by D. Jenness and the author appeared in the American anthropologist, 1921. n. s., v. 23, p. 235-36; 378-79; *ibid.* 1922. n. s., v. 24, p. 89-92.

Copy seen: DLC; NN.

2609. CAGNI, UMBERTO, 1863- . Osservazioni meteorologiche. (In: Filippi, F. de. La spedizione di . . . Luigi . . . duca degli Abruzzi al Monte Sant' Elia (Alaska) 1897. 1900. Appendice B, 211-32, incl. tables. *Title tr.*: Meteorological observations of the Duke of Abruzzi expedition to Mt. St. Elias.

For the period June 24-Aug. 3, 1897, observations were taken at Yakutat Bay and during the ascent of the mountain.

Copy seen: DLC.

CAGNI, UMBERTO, 1863- , *see also* Luigi, Duke of the Abruzzi. Expéd. l'étoile polaire. 1904.

CAGNI, UMBERTO, 1863- , *see also* Luigi, Duke of the Abruzzi. Farther north than Nansen. 1901.

CAGNI, UMBERTO, 1863- , *see also* Luigi, Duke of the Abruzzi. On "Polar Star." 1903.

CAGNI, UMBERTO, 1863- , *see also* Luigi, Duke of the Abruzzi, & others. "Stella Polare," 1899-1900. 1903.

2610. CAHALANE, VICTOR HARRISON, 1901- . Birds of the Katmai region, Alaska. (Auk, July 1944. v. 61, p. 351-75)

Sight records made during an inspection of Katmai National Monument, Sept. 1940. Notes on life zones and as-

sociations and an annotated list of ninety-three species of birds, with a bibliography (4 items).

Copy seen: DSI-M.

2611. CAHALANE, VICTOR HARRISON, 1901- . Notes on birds of the Kodiak-Afognak Island group. (Auk, Oct. 1943. v. 60, p. 536-41)

Observations made in autumn 1940, while gathering field data for the U. S. National Park Service. Annotated list of thirty species.

Copy seen: DSI-M.

2612. CAHN, ALVIN ROBERT, 1892- . Notes on the birds of the Dutch Harbor area of the Aleutian Islands. (Condor, Mar. 1947. v. 49, p. 78-82)

Based on observations made during 47 consecutive months' military service on Amaknak Island (Dutch Harbor), 1943-46. Annotated list of sixty-two species.

Copy seen: DSI-M.

2613. CAILLEUX, ANDRÉ. Études de cryopédologie. Paris, 1948. 68 p. diags. (Expéditions polaires françaises. Expédition arctique, 1948. Publications. No. 3) *Title tr.*: Cryopedological studies. (French Polar Expeditions. Arctic Expedition 1948) Ed. from notes by Gérard Taylor.

Study of frozen ground, soil structures, and solifluction phenomena, based on personal observations and on the published literature. Chapters on ground temperature, ground ice, permafrost, ice wedges, polygonal and striped soils, rock rings, etc., soil blocks, rock glaciers and heaps, and earth mounds; with a bibliography (6 items).

Copy seen: CA:Mal.

CAILLEUX, ANDRÉ, *see also* Romanovsky, V., & A. Cailleux. Sols polygonaux et fentes de dessiccation. 1942.

CAILLEUX, ANDRÉ, *see also* Victor, P. E., & others. Rapport préliminaire Groenland 1948. 1949.

2614. CAIRNES, DE LORME DONALDSON, 1879-1917. Differential erosion and equiplanation in portions of Yukon and Alaska. (Geological Society of America. Bulletin, July 1912. v. 23, p. 333-48, 4 plates)

Description of the geological formations and the geomorphology, based on the author's field work for the U. S. Geological Survey along the International Boundary between 66°08' and 67°N.

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2615. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Exploration in southwestern Yukon. (Canada. Geological Survey. Summary report, 1914, *pub.* 1915. p. 10-33, fold. map)

Contents include reports on placer gold of the Kluane, Nansen, and upper Whitehorse River districts, p. 13-30; copper deposits, p. 30-31; coal, p. 32-33. *Map:* diagram of area about 60°40'-63°18'N., 135°-141°W.

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2616. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Explorations in a portion of the Yukon, south of Whitehorse. (Canada. Geological Survey. Summary report, 1906. p. 22-30)

Contains a geological report on the area from the British Columbia boundary northwest to within ten miles of Whitehorse; the Windy Arm (Tagish Lake), Watson, and Wheaton Rivers properties (silver and gold) and the Tantalus coal mines.

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2617. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Geological section along the Yukon-Alaska boundary line between Yukon and Porcupine Rivers. (Geological Society of America. Bulletin, Mar. 1913. v. 25, p. 179-204, illus. (map) 5 plates, fold. diag.)

Results of field work for the Canadian Geological Survey, 1911-12. Descriptions of the topography and general geology of the area between 67°25' and 64°40'N. on each side of the 141° W. meridian.

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2618. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Geology of a portion of the Yukon-Alaska boundary between Porcupine and Yukon Rivers. (Canada. Geological Survey. Summary report, 1911, *pub.* 1912. p. 17-33, map)

Contains a report on the Canadian section of the joint U. S.-Canada international boundary survey made in 1911, 69°09'-67°N. and two to two and one-half miles on each side of the meridian 141°W. Describes the topography in general, the flora and fauna (including a list of plants), the general geology, and (in detail) the various formations, with a note on limestone and magnesite deposits.

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2619. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Investigations

and mapping in Yukon Territory. (Canada. Geological Survey. Summary report, 1916, *pub.* 1917. p. 12-44, illus.)

Contents: Tungsten deposits of Dublin Gulch and vicinity, p. 12-19. Mari deposit near Mayo, p. 19-20. Klotassin area (location and accessibility, topography, vegetation, game, geology and mineral resources) p. 20-33. Saline incrustations between Takhini and Canyon, p. 33-34. Lode mining in the Windy Arm section, Conrad mining district, p. 34-44.

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2620. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Mayo area.—Scroggie, Barker, Thistle, and Kirkman creeks.—Wheaton District: Yukon Territory. (Canada. Geological Survey. Summary report, 1915, *pub.* 1916. p. 10-49, illus. (sketch maps))

Descriptions of topography and accessibility of all three areas; report (in detail) of the mines and mineral resources of Mayo area (gold and silver) and Wheaton district (gold, silver, antimony, lead and coal) including the geology; report (in brief) of the gold mining on the four creeks.

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2621. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Preliminary memoir on the Lewes and Nordenskiöld Rivers coal district, Yukon Territory. Ottawa, Govt. Print. Bur., 1910. 70 p. 8 plates (incl. front.) 2 fold. maps. (Canada. Geological Survey. Memoir no. 5)

Contains results of a topographic and geological survey of the Braeburn-Kynocks and the Tantalus coal areas. Includes detailed account of the two coal areas and of the Lewes River and Lake Laberge; a description of the geological formations and mining properties. *Appendices:* (1) Mack's copper; (2) Giltana Lakes claims (copper); and (3) coking tests on coal from Tantalus mines. *Maps:* geological (scale 1:126,720) 10A Tantalus coal area, 61°33'-62°13'N., 135°45'-136°25'W.; 11A Braeburn-Kynocks coal area, 61°13'-61°30'N., 135°-136°08'W.

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2622. CAIRNES, DE LORME DON-ALDSON, 1879-1917. Preliminary report on a portion of the Yukon Territory, west of the Lewes River and between the latitudes of Whitehorse and

Tantalus. (Canada. Geological Survey. Summary report, 1908, *pub.* 1909. p. 26-32)

Notes on mapping and survey work in the coal-bearing areas about 61°10'-35'N.; (1) the first range of hills west of the Nordenskiöld River and the mountains on the east side of this stream; (2) a south and west extension of the Lake Laberge sheet, along the wagon road from a point 2 or 3 miles above Braeburn to within a mile of Kynocks; and (3) the Mack's Copper and Giltana Lake claims in the upper Hutchi River region. Includes brief sketches (relative to area no. 1) of the physical features, flora and fauna, general geology, and occurrences of coal (with results of analyses); and descriptions of copper ore deposits in claims of area no. 3.

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2623. CAIRNES, DE LORME DONALDSON, 1879-1917. Quartz mining in the Klondike district. (Canada. Geological Survey. Summary report, 1911, *pub.* 1912. p. 33-40)

Description of the quartz deposits, and (in detail) of the mining properties.

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2624. CAIRNES, DE LORME DONALDSON, 1879-1917. Report on portions of the Yukon Territory, chiefly between Whitehorse and Tantalus. (Canada. Geological Survey. Summary report, 1907, *pub.* 1908. p. 10-15)

Results of mapping, and investigation of the coal measures in the Lake Laberge area of the Lewes River basin, with a description of the topography, geology, and mining properties.

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2625. CAIRNES, DE LORME DONALDSON, 1879-1917. Scroggie, Barker, Thistle, and Kirkman Creeks, Yukon territory. Ottawa, Govt. Print. Bur., 1917. 2 p. l., 47, viii p. illus., 6 plates (incl. front.) fold. map (in pocket) (Canada. Geological Survey. Memoir 97. Geological series no. 79)

Results of a preliminary investigation of the geological conditions and gold mining operations, with notes on accessibility, climate, forests and topography, of the area on the Stewart and Yukon Rivers, 63°-63°25'N., 138°-139°-45'W.

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2626. CAIRNES, DE LORME DONALDSON, 1879-1917. Upper White

River district, Yukon. (Canada. Geological Survey. Summary report, 1913, *pub.* 1914. p. 12-28, sketch map)

Contains a preliminary report of the mapping and geological survey of the area 61°42'-62°30'N. and adjoining, and from 12 to 23 miles east of 141°W. (international boundary); a description of the routes, climate, vegetation, game, topography, and (in detail) of the geological formations, with a note on the occurrence of copper and gold.

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2627. CAIRNES, DE LORME DONALDSON, 1879-1917. Upper White River district, Yukon. Ottawa, Govt. Print. Bur., 1915. 2 p. l., iv, 191 p. front., illus., fold. maps (in pocket) fold. tables. (Canada. Geological Survey. Memoir 50; Geological series no. 51)

Contents include chapters on routes and methods of travel (with map), on climate, vegetation and game; regional and local topography (including mountain systems); the geologic formations; and mineral resources (gold and copper). *Maps:* (scale 1:250,000) topographic 122A, geological 123A, 61°40'-62°30'N., 140°15'-141°W.

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2628. CAIRNES, DE LORME DONALDSON, 1879-1917. Wheaton district, southern Yukon; supplement to Memoir 31. (Canada. Geological Survey. Summary report, 1915, *pub.* 1916. p. 36-49, illus., 2 fold. col. maps in pocket)

Contains a revision of the geological mapping done in 1909, based on the photo-topographic surveying of that year, with additional material on the mineral deposits, especially antimony. *Maps:* (scale 1:62,500) topographic, 59A, and geological, 60A (issued 1917) 60°08'-60°22'N., 134°55'-135°25'W.

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2629. CAIRNES, DE LORME DONALDSON, 1879-1917. Wheaton district, Yukon Territory. Ottawa, Govt. Print. Bur., 1912. x, 153 p. 14 plates, maps (1 fold.) diagrs. (Canada. Geological Survey. Memoir no. 31)

Contains description (in brief) of regional and local topography, climate, flora and fauna; (in detail) geologic formations and ore deposits (gold, silver-antimony-silver, silver-lead, and others); with map. *Copy seen:* DLC.

2630. CAIRNES, DE LORME DON-ALDSON, 1879-1917. The Wheaton River district, Yukon Territory. (Canada. Geological Survey. Summary report, 1909, *pub.* 1910. p. 47-60)

Report on the mapping and geological exploration of the river (five to seven miles on each side) for twenty miles above Lake Bennett, including topography, flora and fauna, climate, transportation, and general geology; a description of the mining properties (including gold, silver, lead, copper and coal) of this area and farther west.

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2631. CAIRNES, DE LORME DON-ALDSON, 1879-1917. The Yukon-Alaska international boundary, between Porcupine and Yukon Rivers. Ottawa, Govt. Print. Bur., 1914. p. l, iii, 161 p. illus., 16 plates (incl. front.) 2 fold. maps (in pocket) fold. tables. (Canada. Geological Survey. Memoir 67. Geological series no. 49)

Results of the joint U. S.-Canada survey in 1911-1912 of the area from the Yukon River to the Arctic Ocean. This report, concerning that part lying south of the Porcupine River (performed by Canadian Geological Survey) contains chapters on regional and local topography, and detailed descriptions of formations, with notes on the climate, means of communication, fauna and flora (including list of plants). *Maps:* geological 140A and 141A (scale: 1:125,000) 64°40'-67°25'N., 141°W.

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2632. CAIRNES, DE LORME DON-ALDSON, 1879-1917, and others. Yukon and Malaspina. (*In:* Canada. Geological Survey. Excursions in northern British Columbia [etc.] *Its:* Guide book no. 10, 1913. p. 37-176, illus., 12 maps (9 fold.))

Contents include: Cairnes, D. D. General introduction. Wright, F. E. Prince Rupert-Skagway section. Physiography and geology. Cairnes, D. D. Skagway-Whitehorse-Dawson section. General topography and geology; climate, flora and fauna; Whitehorse copper belt; Tantalus coal mine; Klondike gold fields (including placer mining operations). Martin, L. Juneau-Yakutat section. Geology and physiography of Glacier Bay; and of Yakutat Bay. Bibliography (95 items).

Copy seen: NNS Stef.

2633. CAJANDER, AIMO KAARLO, 1879-1943. Beiträge zur Kenntnis Vegetation der Alluvionen des Nördlichen Eurasiens. I. Die Alluvionen des unteren Lena-Thales. Helsingforsiae, Typogr. Societ. litterariae fennicae, 1903. 182 p. 4 maps. (Societas scientiarum fennicae. Acta. T. 32, no. 1) *Title tr.:* Contributions to the knowledge of the vegetation of the alluviums of northern Eurasia. I. Alluviums of the valley of the lower Lena River.

Contents tr.: 1. General section. 2. Special section: Hydrophyte plant associations, forest association; herbaceous association; moss and lichen associations. 3. Conclusion; list of the phanerogams and vascular cryptogams observed; list of localities; literature.

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2634. CAJANDER, AIMO KAARLO, 1879-1943. Om vegetationen i urskogen kring floden Lena. (Fennia, 1902, T. 20, no. 4, p. 1-8) *Title tr.:* The vegetation of the taiga of the Lena River region.

Contains a description of various geobotanical zones of the taiga and their succession along the Lena River.

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2635. CAJANDER, AIMO KAARLO, 1879-1943. Studien über die Vegetation des Urwaldes am Lena Fluss. Helsingforsiae, Typogr. Societ. litterariae fennicae, 1903. 40 p. (Societas scientiarum fennicae. Acta. T. 32, no. 3) *Title tr.:* Studies of the vegetation of the Lena River taiga.

Contains a geobotanical survey of taiga vegetation along the Lena River, carried out by the author on his trip to that region in 1901, with data on plant associations and their succession from south to north; a list of flowering plants and vascular cryptogams at end.

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2636. CAJANDER, AIMO KAARLO, 1879-1943, and B. R. POPPIUS. Eine naturwissenschaftliche Reise im Lena-Thal. (Fennia, 1903, v. 19, no. 2, p. 1-44) *Title tr.:* A natural history journey in the valley of Lena River.

Contains a general account of the journey made in 1901, and data on the vegetation and fauna of the forest, steppe, mountain and tundra zones of the Lena River valley; special attention is given to the insect fauna of the region.

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2637. CALASANTHUS, Sister MARY JOSEPH, (née DERUYTER) 1860- The voice of Alaska; a missionary's memories. Lachin, Quebec, Sisters of St. Ann Press, 1935. 9 p. l., 23-340 p., 4 l. 14 plates, fold. map.

Translated from the French edition, *Voix de l'Alaska*, about 1930, and originally written in Flemish and published in Belgium at the Abbey of Tongerlo by the Rev. Henry Leroye, Pastor of Moorsele, West Flanders.—Foreword. History of the Holy Cross Mission in the Yukon valley, beginning in 1885, with information generally on Catholic missions in Alaska.

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2638. CALDERWOOD, W. L. A boat journey in search of Franklin. (Scottish geographical magazine, July 1935. v. 51, p. 228-35)

A narrative written by a member of the *Plover* and *Herald* relief expeditions, 1848-51, "taken from the hitherto unpublished records of Vice-Admiral W. J. S. Pullen, copies by Lieut. H. F. Pullen, R. C. N." An account of a small-boat journey from Point Barrow along the coast to Mackenzie River, thence to Fort Simpson, the return to the arctic coast and further search, then another trip up the Mackenzie and eastward to Hudson Bay.

Copy seen: DLC.

2639. CALDWELL, J. B. What to expect in Alaska. (Alaska sportsman, Feb.-July, 1945. v. 11, no. 2, p. 8-9, 35-38; no. 3, p. 12-13, 36-38, 40; no. 4, p. 14-15, 24-27; no. 5, p. 16-18, 21-23; no. 7, p. 16-17, 24-27) Chapter 5, June 1945, not located.

Description in general terms for the prospective settler, of the climate, natives, fishing, hunting, homesteading, farming, ranching, prospecting, lumbering, and commercial fishing.

Copy seen: DLC: (June missing).

2640. CALDWELL, JOHN K. Fishing in the Priamur District of Siberia. Washington, U. S. Govt. Print. Off., 1917. 31 p. (U. S. Fish and Wildlife Service. Report of the U. S. Commissioner of Fisheries, 1916. Appendix 6. Fisheries document no. 844)

Report by the American consul at Vladivostok on Japanese and Russian fisheries around the Okhotsk Sea, including (p. 17-24) the salmon fisheries

of the northern shores, and west coast of Kamchatka.

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2641. CALEY, JOHN FLETCHER, 1905- The Hudson Bay lowland. (In: Canada. Geological Survey. Geology and economic minerals of Canada. 3d ed., 1947. Pub. as its: Economic geology series. No. 1, p. 184-88)

Brief review of the history, general and economic geology of the plain which borders James Bay on the south and west and extends along Hudson Bay to Churchill River in Manitoba; includes notes on deposit of gypsum, lignite and refractory clay in northern Ontario.

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2642. CALLAGHAN, J. C. X-ray survey trip Western Arctic coast April 1949. Aklavik, N. W. T., May 1949. 15 numb. l. Mimeographed.

Report of Canadian Dept. of Health and Welfare medical officer, on an airborne survey, Apr. 1949, during which more than one thousand Eskimos in Northwest Territories and Victoria Island were x-rayed. Includes notes on influenza pneumonia epidemic at Cambridge Bay.

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2643. CALLAN, BOB. Alaska's floating hospital. (Alaska life, Sept. 1946. v. 9, no. 9, p. 15, illus.)

Brief note on the hospital ship *Hygiene*, of the Territorial Dept. of Health, then carrying out a campaign against tuberculosis in Southeast Alaska.

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2644. CALLAN, BOB. CAA in Alaska. (Alaska life, Oct. 1946. v. 9, no. 10, p. 6-7, 22, illus., map)

Description of the difficult job done by the Civil Aeronautics Administration in establishing intermediate landing fields and range stations throughout Alaska, and notes on CAA activities as a whole.

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2645. CALLAN, BOB. The Chilkat gateway; water-road route from Seattle to the interior. (Alaska life, July 1946. v. 9, no. 7, p. 6-7, 12, illus., map)

Discussion in support of the proposal for the United States to improve the Haines cutoff and Alaska Highway from Haines to Fairbanks, and for Yukon Territory and British Columbia to improve their roads, the combined efforts creating an Inside Passage—Chilkat Gateway transportation route.

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2646. CALLAN, BOB. The Lomens of Nome. (Alaska life, Mar. 1946, v. 9, no. 3, p. 8-10, 35-37, ports.)

Story of the family which "pioneered in building the reindeer industry" of Alaska.

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2647. CALLAN, BOB. Opportunities in Alaska. (Alaska life, June 1946, v. 9, no. 6, p. 8-9, 29, table)

Discussion and tabular summary of answers to a business survey questionnaire circulated by *Alaska life* throughout Alaska in the spring of 1946. Shows results from eleven of the leading southern and southeastern Alaskan cities (also Nome). Includes remarks on housing, prices and social services.

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2648. CALLAN, BOB. Pulp from Alaska. (Alaska life, Jan. 1947, v. 10, no. 1, p. 4-5, 22-23, illus.)

Discussion of forest resources of Southeast Alaska, U. S. Forest Service regulations for industrial use of timber, and future possibilities of a pulp industry.

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2649. CALLAN, BOB. Sitka sanatorium approved. (Alaska life, Jan. 1947, v. 10, no. 1, p. 15)

Note on a tuberculosis hospital for Japonski Island, with school facilities in addition.

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2650. CALLARMAN, BARBARA E. The accent is where you find it. (Alaska life, Mar. 1945, v. 8, no. 3, p. 28-29)

Brief note on pronunciation of Alaskan place names derived from Indian dialects.

Copy seen: DLC.

CALLEBERG, CLAES AXEL, 1891- . see Lundqvist, M. Norrland. 1942.

2651. CALLISEN, KAREN, 1882- . Igneous rocks of the Ivigtut region, Greenland. I. The nepheline syenites of the Grønne Dal-Ika area. København, C. A. Reitzel, 1943. 74 p. illus. (incl. 3 sketch maps) 2 plates, tables. (Meddelelser om Grønland. Bd. 131, nr. 8)

Description of the alkaline rocks and their occurrences. "The irregular shape of the massif, the 'roof-pendants', and the small outcrops of nepheline syenite in fissures in the gneiss indicate that this massif represents the uppermost part of a stock, possibly of a batholite."

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2652. CALLISEN, KAREN, 1882- . Petrographische Untersuchungen einiger Gesteine von Nordgrønland. (In: Jubilæumsekspeditionen nord om Grønland. [Berettelser] nr. 6. Pub. in Meddelelser om Grønland, 1929. Bd. 71, p. 217-55, illus., sketch map, plate)

Descriptions of rocks from thirty-two localities in North Greenland.

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2653. CALLISON, I. P. Wolves and coyotes menace Alaska game. (Alaska life, June 1946, v. 9, no. 6, p. 10-11, 26-28 illus.)

Discussion of increase in numbers of predators and its cause, and the drastic drop in game, especially mountain sheep.

Copy seen: DLC.

2654. CALMAN, WILLIAM THOMAS, 1871- . Cumacea. Ottawa, King's Printer, 1920. 4 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 7: Crustacea, Pt. C)

List, with locations and remarks on synonymy, of five species from the Beaufort Sea (Collinson Pt., Alaska), Bathurst Inlet, and Dolphin and Union Strait, N.W.T.

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2655. CAMBRIDGE, OCTAVIUS PICKARD, 1835?- . On some new and little-known spiders from the arctic regions. (Annals and magazine of natural history, Oct. 1877. Ser. 4, v. 20, p. 273-85, plate)

A record of thirteen spiders (including seven new species) from West Spitsbergen, West Greenland, and Ellesmere Island, the latter collected by the British Arctic Expedition, 1875-76.

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CAMDEN, B. H., see U. S. Revenue-cutter Service. Report of operations Nunivak 1899-1901. 1902.

CAMERON, A. T., see Canada. Fisheries Research Board. NW. Canadian fisheries surveys, 1944-45. 1947.

2656. CAMERON, AGNES DEANS, 1863-1912. Canada's farthest north. (Geographical journal, June 1910, v. 35, p. 705-708, illus.)

Report of an illustrated lecture on the author's trip in 1908 down the Mackenzie River.

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2657. CAMERON, AGNES DEANS, 1863-1912. The new North; being some account of a woman's journey through

Canada to the Arctic. New York and London, D. Appleton & Co., 1910. xix, 398 p. front., illus. (incl. ports.) map.

Description of the country, travel conditions and the people encountered by this journalist during her trip down the Mackenzie River and back. Includes historical notes, and comment also on the region south of Mackenzie District.

Copy seen: DLC; NNS Stef.

2658. CAMERON, ALAN EMERSON, 1890-. Explorations in the vicinity of Great Slave Lake. (Canada. Geological Survey. Summary report, 1917, pub. 1918. Pt. C, p. 21-28)

Contains results of a survey of a part of Hay River, of Buffalo River and Lake, and Beaver River, with notes on stratigraphic and structural geology, as they relate to the possibility of oil occurrence.

Copy seen: DLC.

2659. CAMERON, ALAN EMERSON, 1890-. Hay and Buffalo Rivers, Great Slave Lake, and adjacent country. (Canada. Geological Survey. Summary report, 1921, [pub. 1922.] Pt. B, p. 1-44, fold., col. map)

Contains chapters on the physical characteristics of the area, its stratigraphic and structural geology, and a discussion of its deposits, which include lead-zinc, bitumen and petroleum, clays, gypsum, salt, and potash (none). Map: geological (scale 1:3,168,000) Mackenzie River basin.

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2660. CAMERON, ALAN EMERSON, 1890-. Post-glacial lakes in the Mackenzie River basin, North West Territories, Canada. (Journal of geology, July-Aug. 1922. v. 30, p. 337-53, illus.)

Contains discussion of the region between 56°-63°N. 107°-120°W. which includes Great Slave Lake basin.

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2661. CAMERON, ALAN EMERSON, 1890-. Reconnaissance on Great Slave Lake, North West Territories. (Canada. Geological Survey. Summary report, 1916, pub. 1917. p. 66-76)

Contains results of a survey of the west arm of the lake, with notes on the lead, zinc, copper and petroleum occurrences, and a report of the physiography and general geology.

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2662. CAMERON, ALAN EMERSON, 1890-. South Nahanni River, (Canada.

dian geographical journal, May 1936. v. 13, p. 37-45 incl. 4 p. of illus., 3 sketch maps)

Based on the author's observations in 1935 while encamped at the mouth of the river, and during a barge trip ninety miles up-stream. Description of the river and surrounding country, including remarks on the Mackenzie Mts., the neighboring river systems, and on the Nahanni Indians.

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2663. CAMERON, ALAN EMERSON, 1890-, and P. S. WARREN. Geology of South Nahanni River, N.W.T. (Canadian field naturalist, Feb. 1938. v. 52, p. 15-21, illus.)

Results of A. E. Cameron's reconnaissance, 1935. Description of the topography and geology of the Mackenzie Mts. in the lower South Nahanni River region (within eighty miles of its confluence with the Liard); also appendix by R. Ruedemann listing, describing and discussing four graptolites from Silurian shale at Galena Creek.

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2664. CAMERON, Mrs. CHARLOTTE (WALES-ALMY). A cheechako in Alaska and Yukon. London, T. F. Unwin, Ltd. [1920] 291, [1] p. 24 plates, fold. map.

Description of Southeast Alaska, Juneau, Skagway, the White Pass-Miles Canyon route to the Yukon, of Dawson, Klondike, and the Yukon River valley to its mouth, of Nome, the Eskimos, gold mining, dogs and dog racing, reindeer and other animals.

Copy seen: DLC; NNS Stef.

2665. CAMERON, FRANK K. Potash from kelp. Washington, U. S. Govt. Print. Off., 1915. 122 p. incl. tables. 40 plates, fold. diagr. (U. S. Dept. of Agriculture. Report. No. 100)

Contents include: Pt. 4. FRYE, T. C. The kelp beds of Southeast Alaska. Pt. 5. RIGG, G. B. The kelp beds of western Alaska. Each of these papers appears in this Bibliography under its author's name.

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2666. CAMERON, JOHN, 1873-. Correlations between cranial capacity and cranial length, breadth, and height, as studied in the Alaska Indian crania, United States National Museum. Craniometric studies, no. 12. (American journal of physical anthropology. 1928, v. 11, p. 290-99)

Copy seen: DLC.

2667. CAMERON, JOHN, 1873- . Correlations between cranial capacity and cranial length, breadth, and height, as studied in the Greenland Eskimo crania, United States National Museum. *Cranio-metric studies*, no. 9. (American journal of physical anthropology, 1928. v. 11, p. 259-68) *Copy seen:* DLC.

2668. CAMERON, JOHN, 1873- . Correlations between cranial capacity and cranial length, breadth and height, as studied in the St. Lawrence Island Eskimo crania, United States National Museum. *Cranio-metric studies*, no. 10. (American journal of physical anthropology, 1928, v. 11, p. 269-79) *Copy seen:* DLC.

2669. CAMERON, JOHN, 1873- . Osteology of Western and Central Eskimos. Including a special report upon the dentition, by S. G. Ritchie and J. Stanley Bagnall. Ottawa, King's Printer, 1923. 79 p., 9 plates, tables, diagrs. (Canadian Arctic Expedition, 1913-18. Report. v. 12: The Copper Eskimos, Pt. C)

Contents: Osteology, p. 6-58. Dentition, p. 59-67. General index to volume 12, The Copper Eskimos, (pt. A-C), p. 69-79. Bibliography, p. 58, 66. The papers on osteology and dentition deal with skulls and teeth mainly from Victoria Island, from Baillie Island and Young Point in Mackenzie District, and from Port Clarence and Barter Island, North Alaskan coast.

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2670. CAMERON, THOMAS WRIGHT MOIR, 1894- . The feeding of dogs in the Canadian Arctic. (Canadian journal of comparative medicine, July 1938. v. 2, p. 181-85)

Discussion of minimum requirements for various weights of dogs, diets for work dogs, breeding bitches and pups, and notes on accessory foods.

Copy seen: DSG.

2671. CAMERON, THOMAS WRIGHT MOIR, 1894- , and others. The helminth parasites of sledge-dogs in northern Canada and Newfoundland. (Canadian journal of research, Sept. 1940. v. 18, sec. D, p. 325-32) *Other authors:* I. W. Parnell and L. L. Lyster.

Notes on the kinds and distribution of these parasites throughout the Canadian Arctic.

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2672. CAMP, WILLIS. Alaska — the world's new crossroad. (Alaska life, May 1943. v. 6, no. 5, p. 18-23, port.)

Discussion of commercial aviation in Alaska by a United Air Lines district traffic manager. *Copy seen:* DLC.

2673. CAMPBELL, DONALD G. Palladium in Alaskan lode deposits. (Mining and scientific press, Oct. 11, 1919. v. 119, p. 520-22)

The geology, ore bodies, and data on consumption of palladium, found in copper ore bodies on Prince of Wales Island, Southeast Alaska.

Copy seen: DGS.

CAMPBELL, E. K., see Rooyen, C. E. van, & others. Influenza Canada 1949 Eskimos. 1949.

2674. CAMPBELL, J. F. Notes on the stature of Lapps. (Ethnological Society of London. Transactions, 1867. n.s., v. 5, p. 1-12)

Includes scattered observations on Lapps encountered from northern Norway to Inari (lake) in northern Finland.

Copy seen: DLC.

2675. CAMPBELL, JOHN, 1840-1904. The Dénés of America identified with the Tungus of Asia. (Royal Canadian Institute. Transactions, May 1898. v. 5, p. 167-223)

Drawn largely from older explorers' narratives, evidence of similarities between the Athapaskan Indians and the Tungus, in physique, dress, customs, beliefs, language, etc. Campbell's paper was challenged, in A. G. Morice's *On the classifications of the Dénés*, 1899, q.v., also in his *Use and abuse of philology*, 1899, q.v.

Copy seen: DLC.

2676. CAMPBELL, JOHN A. The Hudson Bay railway, from speeches . . . December, 1922 and January and February, 1923. The Pas, Man., 1923. 28 p. illus.

Information, from speeches in support of continuing the railway project, on the history of the project, the navigation of Hudson Bay, Churchill and Nelson harbors, and the significance of the route for the industry of the Prairie Provinces.

Copy seen: CaO.

2677. CAMPBELL, NEIL. Regional structural features of the Yellowknife area. (Economic geology, Dec. 1947. v. 42, p. 687-98, map)

Description of the area in the immediate vicinity of Yellowknife Bay, north arm of Great Slave Lake.

Copy seen: DGS.

2678. CAMPBELL, NEIL. Regional structural features of the Yellowknife area. (Western miner, Nov. 1947. v. 20, no. 11, p. 62-67, illus., sketch map)

The area is in the immediate vicinity of Yellowknife Bay, Great Slave Lake, about 62°25'N. 114°20'W. "Sequence of geologic events in Archean times began with outpouring of volcanic flows, followed by intermittent vulcanism and sedimentation, then by sedimentation with little or no vulcanism. These rocks were subjected to granitic intrusion and folding accompanied by thrust faults which are now recognizable as mineralized shear zones. A later granitic intrusion and crustal disturbance cross-folded earlier structures and probably produced new ore-bearing structures. The final phase in the structural development was the intrusion of diabase dykes followed by major strike-dip faults which cut all pre-existing rocks and known mineralization."—Author's abstract.

Copy seen: DGS.

2679. CAMPBELL, NEIL. West Bay fault. (*In:* Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 244-59, illus., 4 sketch maps)

Author discusses the problem of whether or not there is an unexplored orebody displaced by the West Bay fault which trends in a northerly direction along the west side of Yellowknife Bay, Great Slave Lake. Remarks on the geologic table of formations, late diabase dykes, faults and shear zones, and evidence for determining the position of the Giant shear zone on the west side of the fault; with a bibliography (9 items).

Copy seen: DGS.

2680. CAMPBELL, NEIL. The West Bay fault, Yellowknife. (Canadian Institute of Mining and Metallurgy. Transactions, 1947. v. 50, p. 509-526, illus., 4 sketch maps. Also in: Western miner, May 1947. v. 20, no. 5, p. 46-55)

The area lies west of Yellowknife Bay, Great Slave Lake. "Geological mapping revealed that the [gold] ore and the shear zones to which the ore is confined are older than the fault and

therefore subject to displacement by it. It also disclosed several diabase dykes which seem to provide the best basis for determining the fault movement... the dykes were used as structural markers and it was estimated that... the movement on the fault was 16,140 feet south and 1,570 feet down on the west side relative to the east"—Author's abstract.

Copy seen: DGS.

CAMPBELL, NEIL, *see also* White, C. E. & others. Con-Rycon mine, Yellowknife. 1949.

2681. CAMPBELL, ROBERT, 1804-1894. The discovery and exploration of the Youcon (Pelly) River. Winnipeg, 1885. 18 p.

The author, chief factor of Hudson's Bay Co., briefly summarizes his exploratory work, 1838-50, in British Columbia and Yukon Territory, including his discovery of the upper Yukon River.

Copy seen: CaOAr.

CAMPBELL, ROBERT, 1804-1894, *see also* Elton, C. S. Notes on mammals Liard & Frances R. 1935.

2682. CAMPBELL, RODERICK, 1842-. The father of St. Kilda; twenty years in isolation in the sub-Arctic territory of the Hudson's Bay Co. London, W. R. Russell & Co., Ltd., 1901. xv, 327, [1] p. front. (port.)

The author served the Hudson's Bay Co. from 1859, mainly in the Red River region of Manitoba. This work includes a chapter on Fort York, 1859.

Copy seen: DLC; NNS Stef.

2683. CAMPBELL, WILLIAM, 1880-. Arctic patrols; stories of the Royal Canadian Mounted Police. Milwaukee, Bruce Publishing Co. [c1936] vi p., 1 l., 335 p. 2 maps, 5 plates.

Tales of the author's service in the arctic sections of Northwest Territories and Yukon Territory.

Copy seen: DLC; NNS Stef.

2684. CAMPE, JOACHIM HEINRICH, 1746-1818. Polar scenes, exhibited in the voyages of Heemskirk and Barenz to the northern regions, and in the adventures of four Russian sailors at the Island of Spitzbergen. Translated from the German of M. Campe. 2d ed., illustrated with 36 copper-plate engravings. London, Printed for J. Harris & Son, 1822. 2 p. l., 138 p. col. front., col.

plates. Another ed. New York, Samuel Wood & Sons, [n.d.] p. l., 158 p. 11 plates.

Written for young people, with graphic illustrations in brilliant color.

Copy seen: DLC; NNSf.

2685. CAMSELL, CHARLES, 1876- . An exploration of the region between Athabasca and Great Slave Lakes, Alberta and North West Territories. (Canada. Geological Survey. Summary report, 1914, pub. 1915. p. 55-60)

Contains notes on the route of the Athabasca-Great Slave Lake Expedition, 1914, the geographic character and general geology, including evidence of glaciation, in the Taltson River basin. The expedition comprised a geologist (C. Camsell) and a naturalist, Francis Harper, who also published a report, *The Athabasca-Great Slave Lake Expedition 1914*, pub. 1915.

Copy seen: DLC.

2686. CAMSELL, CHARLES, 1876- . Flying through northwestern Canada (Canadian geographical journal, Mar. 1936, v. 12, p. 112-22, illus., sketch map)

Account of a 4,000 mile airplane trip from Prince Rupert, B. C. across the coast range, along the Liard, South Nahanni and Mackenzie Rivers, to Norman, thence across Great Bear Lake, north to Coppermine and return to Edmonton via Yellowknife, Great Slave Lake. Includes remarks on the more inaccessible territory covered, and reminiscences of the author's early traverses and surveys in this region.

Copy seen: DLC.

2687. CAMSELL, CHARLES, 1876- . A 4000-mile flight through North-Western Canada. (Polar record, Jan. 1936. No. 11, p. 53-55)

Account of a flight in Aug. 1935, to inspect geological parties, investigate administrative questions, and to take aerial photographs, across southeastern Yukon and the Mackenzie District. Includes remarks on the physiography of the area of Liard River and Mackenzie Mts.

Copy seen: DLC.

2688. CAMSELL, CHARLES, 1876- . Great Bear Lake: an exploration and its sequel. (Canadian geographical journal, Mar. 1937. v. 14, p. 126-51, incl. 17 p. of illus., 2 sketch maps)

Presidential address, before the eighth annual meeting of the Canadian

Geographical Society, Feb. 17, 1937. Reminiscences of the author's exploration (in the company of Dr. Mackintosh Bell, 1900) of the region around and east of the lake, including descriptions of the ice on Mackenzie River, the physical features of the lake and its shores.

Copy seen: DLC.

2689. CAMSELL, CHARLES, 1876- . Mining development in the Northwest Territories. (Mining and metallurgy, Sept. 1937. v. 18, p. 411-13)

Descriptive notes on mineral wealth throughout the Canadian Arctic, and on the various enterprises in the Great Bear and Great Slave Lake regions.

Copy seen: DGS.

2690. CAMSELL, CHARLES, 1876- . Opening the Northwest. (Beaver, June 1944. Outfit 275, no. 1, p. 4-9, illus.)

Brief and general account of the physical features and natural resources of the Canadian part of the region covered by the North Pacific Planning Project of Canada and the United States, i.e. west of the Slave and Mackenzie Rivers.

Copy seen: DSI-M.

2691. CAMSELL, CHARLES, 1876- . Peel River, in the Yukon and Mackenzie districts. (Canada. Geological Survey. Summary report, 1905, pub. 1906. p. 36-46)

Contains a description of the route by way of Braine Creek-Nash Creek-Wind River to Peel River; a report on the survey of Peel River, including a rough estimate of stream discharges for Wind, Snake, and Peel Rivers.

Copy seen: DLC.

2692. CAMSELL, CHARLES, 1876- . Planning the new Northwest. (Canadian geographical journal, Dec. 1943. v. 27, p. 251-61 (incl. 4 p. of illus., 2 maps)

Concerns the North Pacific Planning Project, sponsored by the Joint Economic Committees of Canada and the United States, to study the resources of the northwest continental area. Includes brief notes on the wildlife, forest, mineral, and agricultural resources of the Yukon Territory, Mackenzie District, northern British Columbia, and northern Alberta.

Copy seen: DLC.

2693. CAMSELL, CHARLES, 1876- . The region south-west of Fort Smith, Slave River, N.W.T. (Canada. Geological Survey. Summary report, 1902, pub. 1903. p. 149-67)

Report of a reconnaissance, including the physical geography of the Salt and Little Buffalo Rivers, with notes on the route and its portages.

Copy seen: DLC.

2694. CAMSELL, CHARLES, 1876- . Report on the Peel River and tributaries, Yukon and Mackenzie. Ottawa, King's Printer, 1906. 49 p. 3 plates, fold. map. (Canada. Geological Survey. Annual report, 1904. n.s., v. 16, pt. CC)

Contains introductory remarks on previous explorations and early prospecting; detailed description of routes via Braine and Nash Creeks to Wind River; topography and geology, including ore deposits, of the Wind and Peel Rivers and their tributaries; appended notes on fossils by Dr. Whiteaves. *Map* of Peel and Wind Rivers (scale 8 mi.: 1 in.) with geologic notes and trails given, shows entire length of Huskie River (i.e. Husky Channel, Mackenzie delta)

Copy seen: DLC.

2695. CAMSELL, CHARLES, 1876- . Some interesting geographical problems in the exploration of northern Canada. (Geographical review, Mar. 1918, v. 5, p. 208-215, illus.)

Contains notes on Great Slave Lake, Caribou Plateau (northern Alberta) and the headwaters of Thelon and Taltson Rivers (Mackenzie District) as (then) in need of exploration.

Copy seen: DLC.

2696. CAMSELL, CHARLES, 1876- . The unexplored areas of continental Canada. (Geographical journal, Sept. 1916, v. 48, p. 249-57)

Copy seen: DLC.

2697. CAMSELL, CHARLES, 1876- . The waterways of the Mackenzie River basin. (Canadian field naturalist, May 1914, v. 28, p. 21-33)

A general description of the area of the basin, its physiography, history, and extent of waterways.

Copy seen: DLC.

2698. CAMSELL, CHARLES, 1876- . The Yellowknife mining district, illustrating the influence of mining on Canadian geographical history. (Canadian geographical journal, June 1939, v. 18, p. 310-19, incl 5. p. of illus.)

Presidential address before the Canadian Geographical Society. Feb. 24,

1939. Discussion of the gold prospects in Yellowknife, their effect on the community supported by the mines, the future of the people there from outside and the natives, when the mines are exhausted. Includes descriptions of Yellowknife village and region, also notes on the game preserve created there for future support of the inhabitants.

Copy seen: DLC.

2699. CAMSELL, CHARLES, 1876- , and C. M. BARBEAU. Loucheux myths. (Journal of American folk-lore, 1915, v. 28, p. 249-57)

Text (in English) of thirteen tales collected by Camsell while working for the Geological Survey of Canada near the Mackenzie River delta in 1905; and prepared for publication with comparative notes etc., by Charles Marius Barbeau.

Copy seen: DLC.

2700. CAMSELL, CHARLES, 1876- , and WYATT MALCOLM. The Mackenzie River basin. Ottawa, King's Printer, 1919. 1 p. l., ii, 154 p. incl. illus., 14 plates, fold. map (in pocket). (Canada. Geological Survey. Memoir 108. Geological series no. 92)

Classic summary of the region, its history, bibliography and general character (topography, rivers, lakes, agriculture, climate, fauna, timber, transportation and commercial possibilities); general geology (formations, structural geology); economic geology (including important deposits of bituminous sands, clays, gypsum, petroleum and natural gas and salt). *Map* of Mackenzie basin shows geology of rivers' environs from about 53°N.

Copy seen: DLC.

CAMSELL, CHARLES, 1876- , see also North Pacific Planning Project. Canada's new Northwest. 1948.

2701. CANADA. ARMY HEADQUARTERS. DIRECTORATE OF ENGINEER DEVELOPMENT. Permafrost; a digest of current information. Ottawa, [1949]. 5 p. l., 48, [3] l. illus., diags. (Its: 500-7-49 (M 144)). Mimeographed. Preface signed: H. W. Love, Chief Engineer.

Outline of general characteristics of permafrost, its destructive action, engineering problems; factors (under permafrost conditions) affecting foundations, roads, bridges, airports, and dam construction. *Appendix:* definitions commonly used; and a bibliography (12 items).

Copy seen: CaMAI.

2702. CANADA. BOARD OF TRANSPORT COMMISSIONERS. Economic report on the Mackenzie River district transportation system. Ottawa, 1947. 2 v. (2 p., l., 28 numb. l., appendix: 1 l., 13 fold. tables). Mimeographed.

Contents: 1. Description of water transportation system. 2. Traffic analysis. 3. Highway. 4. Competitive effect of highway on water transportation. 5. Conclusions and recommendations. *Appendices* contain traffic statistics for 1946, on points of departure, destination, amounts, and classes of items transported. *Copy seen:* CaOGB.

2703. CANADA. BRITISH COLUMBIA - YUKON - ALASKA HIGHWAY COMMISSION. Report on proposed highway through British Columbia and the Yukon Territory to Alaska . . . Ottawa, Ont., 1941. 2 v.: 382 l. 50 photos. 4 fold. maps, tables. Reproduced from typewritten copy.

Contents: v. 1, pt. 1. Report of the commission (giving a history of U. S. and Canadian committees, surveys and hearings leading to the appointment of the commission). Pt. 2. Preliminary conference, April 1939. Pt. 3. Public hearings. Pt. 4. Meetings with the United States Commission, 1939-41. Pt. 5. Cariboo Road. Pt. 6. Natural resources.

Appendices (v. 2): 1. Estimates of cost.

2. Statistics of Prince George Route. 3-8 concern British Columbia.

9. List of reports of Geological Survey of Canada covering mineral resources in northern British Columbia and Yukon Territory.

10 concerns British Columbia.

11. Meteorological data. (Monthly mean maximum and minimum temperature, rainfall, snowfall and total precipitation, 1934-38, earliest snowfall and greatest depth on ground (estimated) for Carcross, Dawson City, Mayo Landing, and Whitehorse (1905-1910). 12-15 concern British Columbia.

16. Mitchell, J. H. Reconnaissance air survey, Prince George to Dawson via Parsnip and Finlay, Sifton Pass, Liard and Pelly Rivers.

17 concerns British Columbia.

18. Martin, R. M. Report on survey—Whitehorse to White River.

19. Martin, R. M. Report on reconnaissance survey along the Pelly River valley.

20 concerns British Columbia.

21. Mitchell, J. H. Report on the Alaska-Yukon highway reconnaissance Alaska boundary to Dawson and Carmacks, Yukon Territory.

22. Mitchell, J. H. Observations and approximate cost of section between Atlin, B. C., Whitehorse and Carmacks, Yukon Territory.

23-25 concern British Columbia.

Copy seen: CaO (includes 50 photographs); DLC (50 photographs lacking).

2704. CANADA. BRITISH - COLUMBIA - YUKON - ALASKA HIGHWAY COMMISSION. Report on proposed highway through British Columbia and the Yukon Territory to Alaska. August, 1941, Ottawa, Ontario. Ottawa, King's Printer, 1942. 46 p. 2 fold. maps (in pocket).

"The full report of the commission consists of two large mimeographed volumes . . . Only part I, vol. 1, which contains the commission's findings, and part VI, vol. 1, on natural resources, have been printed, together with an appendix on estimates of cost."—Note.

Contains in the Report (p. 1-36) a record of the several commissions and committees which met, 1931-40, the public hearings, various approaches to, and connections with the proposed highway from the south, alternative routes, and economic aspects. *Natural resources*, Pt. VI, vol. 1 of full report, (p. 37-45) of the proposed highway zone are described briefly. *Estimate of cost* (p. 46).

Maps: (1) highway routes considered; (2) alternative highway routes selected. These show existing main highways and roads & trails in British Columbia and Yukon, relative to the proposed highway.

Copy seen: CaOGB; DLC.

CANADA. BUREAU OF GEOLOGY & TOPOGRAPHY, see Chipman, K. G., & G. Hanson. Mapping by Bureau of Geology & Topography. 1944.

2705. CANADA. BUREAU OF STATISTICS. Fur production of Canada, season 1919/20-1947/48. Ottawa, 1921-1949. 29 nos. Annual. Mimeographed.

Statistics, arranged by provinces, include Yukon and Northwest Territories.

File seen: CaOS; DLC (1920/21-1947/48).

2706. CANADA. BUREAU OF STATISTICS. List of companies, firms and

individuals engaged in fur farming in Canada 1936, Ottawa, 1938. 180 p. Mimeographed. Yukon included p. 168.

Copy seen: CaOS.

2707. CANADA. BUREAU OF STATISTICS. List of companies, firms and individuals engaged in fur farming in Manitoba, Saskatchewan, Alberta, British Columbia and Yukon Territory, 1940. Ottawa, 1942. 56 p. Mimeographed.

Copy seen: CaOS.

2708. CANADA. BUREAU OF STATISTICS. Report on the fur farms of Canada, 1919-1947. Ottawa, 1921-49. 29 nos. plates, tables. Annual. Text in English and French.

This study of values, numbers, kinds, and distribution of fur farms, and fur-bearing animals, includes in the tables limited statistics on Yukon Territory, Churchill, Manitoba, and northern Ontario.

Copy seen: CaOS; DLC (1920-1947).

2709. CANADA. COMMISSION OF CONSERVATION. Water-powers of Canada, by Leo G. Denis and Arthur V. White, Ottawa, Mortimer Co., Ltd., 1911. 5 p. l., 397 p. 56 plates (incl. 4 maps (part fold.)) tables (1 fold.) diagrs. Clifford Sifton, chairman.

Contents include: Northern water-powers (extracts from an address by L. V. Rorke, *Water-powers on our northern slope to James Bay*, before the Association of Ontario Land Surveyors), p. 100-104.

Statistical tables (natural head, approximate drainage basin, estimated minimum flow, estimated mean discharge under controlled storage, minimum H.P. natural flow, minimum H.P. discharge control), p. 136-38 (includes Albany, Kenogami, Missinaiibi, Opazatika, Mattagami Abitibi Rivers).

Quebec, James Bay Slope, tables (head and estimated H.P. for Rupert River), p. 193.

Yukon, discharge tables for Yukon and Liard Rivers, p. 188.

North West Territories. tables of approximate head and estimated H.P., Nelson River, p. 289.

Statutory enactments, laws and regulations, also bibliography are included.

Copy seen: DGS.

CANADA. DEFENSE RESEARCH BOARD, see Goldsmith, J. B., & others. Explor. studies control mosquitoes. 1949.

CANADA. DEFENSE RESEARCH BOARD, see Hocking, B., & others. Preliminary evaluation of insecticides against blackflies. 1949.

CANADA. DEFENSE RESEARCH BOARD, see McDuffie, W. C., & others. Effectiveness DDT & other insecticides. 1949.

CANADA. DEFENSE RESEARCH BOARD, see McDuffie, W. C., & others. Effectiveness prehatching treatments. 1949.

CANADA. DEFENSE RESEARCH BOARD, see Twinn, C. R., & others. Preliminary account biting flies Churchill. 1948.

2710. CANADA. DEPT. OF AGRICULTURE. CENTRAL EXPERIMENTAL FARM. Possibilities of agriculture in the Yukon District. Ottawa, 1898. 1 p. (*Its:* Experimental farm notes. No. 6) By William Saunders, director of Experimental Farms Branch.

Contains notes on climate and on the cereal and vegetable crops which might be best for the region.

Copy seen: CaOA.

2711. CANADA. DEPT. OF MARINE AND FISHERIES. Bering Sea question [etc.] (*In its:* Annual report. Fisheries, 1890-1908/09, pub, 1891-1909)

Reports for 1890-93 are brief, and concern numbers of vessels, areas of pelagic sealing, amount of catch, and seizure by foreign vessels with subsequent indemnities. Reports for 1894-97 by R. N. Venning are lengthy, and include in addition to these subjects, full discussion, with intra-departmental and diplomatic correspondence, of the arrangements and proposals towards a possible revision of the Paris (1892) regulations on pelagic sealing, with reports on expert investigation into seal life and the Pribilof Islands herds (1897). Reports for 1898-1908/09 are brief, showing vessels cleared, sealing grounds in Bering Sea and near Commander Islands, and statistics of catch.

Copy seen: DF.

2712. CANADA. DEPT. OF MARINE AND FISHERIES. Rapport de l'Expédition du gouvernement du Canada à la Baie d'Hudson et aux Iles Arctiques à bord du navire du gouvernement du Canada "Le Neptune," 1903-1904. Traduit de l'anglais par Marc Sauvalle. Ottawa, 1912. xv, 345 p. illus.

plates, fold. map. Translation of its: *Report on the Dominion Government Expedition to Hudson Bay . . . 1903-1904*, q.v. *Copy seen: CaOGB.*

2713. CANADA. DEPT. OF MARINE AND FISHERIES. Report of the Expedition to Hudson Bay and Cumberland Gulf in the steamship "Diana", under the command of William Wakeham. Marine and Fisheries, Canada. In the year 1897 . . . Ottawa, Printed by S. E. Dawson, 1898. 2 p. l., 83 p. front., 29 plates, 4 fold. maps.

The *Diana* was instructed to attempt navigation through Hudson Strait before and after the regular season, and during the interim to carry out other duties. Ship proceeded from Nachvak to Cumberland Sound, thence through the Strait and on to Churchill during June-Nov., and made three extra-seasonal penetrations of the Strait.

Contents: Report of commanding officer, with list of ice terms.

Pt. 1. Journal of the expedition.

Pt. 2. Detailed account of more important events, with observations on the ice.

Pt. 3. Short accounts of earlier voyages to Hudson Bay and Strait.

Pt. 4. Fishing capabilities of the region.

Report on a comparison of meteorological observations in Hudson Strait, 1884-85-86 and 1897. (Weekly abstract of barometer and temperature June-Oct. 1897).

List of zoological specimens collected between King George Sound and Ungava Bay. *Copy seen: DLC.*

2714. CANADA. DEPT. OF MARINE AND FISHERIES. Report of the Hudson's Bay Expedition of 1886 under the command of Lieut. A. R. Gordon, R. N. [Ottawa? 1887] 133 p. incl. tables, 2 plates, 4 fold. maps.

Contents: Narrative of the voyage of D.S.S. *Alert*, p. 1-17.

Ice observations (including permanent observers' records for five stations, Jan.-Dec.) with summary and notes on ice in Hudson Strait and Bay, p. 17-43.

Notes by observers (weather and natural history at Port Burwell, Ashe Inlet, Stupart's Bay, Nottingham Island, Port Laperrière (-Port de Laperrière), Fort Churchill and York Factory), p. 43-60.

The resources of Hudson Bay and Strait (fisheries), p. 60-67.

Meteorological observations, p. 67-70; tables (generally for period Sept. 1885-Sept. 1886, including record of sea-water temperatures made during cruise of the *Alert*), p. 93-128.

PAYNE, F. F. Flora and fauna of Prince of Wales Sound, Hudson Strait, p. 70-83.

Bell, Robert. Additional notes on the geology of the northwest coast of Hudson's Bay (including field ice and icebergs, and a list of plants from Nottingham Island), p. 83-90.

General remarks on the navigation of Hudson Bay and Straits, p. 90-92.

Appendices: A. Results of tidal observations at the stations, p. 129-31. B. Table of experiments for ascertaining depth of frost and thaw penetration, York Factory, p. 132-33.

Charts: Track of the *Alert*. Plan of Churchill Harbour (soundings in fathoms). York Roads (Port Nelson) (soundings in feet). Position and amount of ice in Hudson Strait in beginning of July 1886.

The paper by F. F. Payne appears in this Bibliography under its author's name. *Copy seen: DLC.*

2715. CANADA. DEPT. OF MARINE AND FISHERIES. Report of the second Hudson's Bay Expedition under the command of Lieut. A. R. Gordon, R. N., 1885. [Ottawa? 1885] 1 p. l., 112 p. front, 2 fold. charts.

Contains a journal of the trip, May 27-Sept. 12; ice observations of the six observers (at Port Burwell, Skynner's Cove, Ashe Inlet, Stupart's Bay, Nottingham Island, and Cape Digges) from (in general) Aug. 1884-Aug. 1885.

Reports on ice from observations on the *Alert* 1884-85, and from others, with notes on Hudson Bay and Strait, 1744, 1768-69, 1836-37; meteorological observations, (with tables) from the six stations and the cruise of the *Alert*, including sea-water temperatures, wind, and snow; notes on natural history, etc. by the six observers, Aug. 1884-Aug. 1885.

BELL, ROBERT. The geology of Hudson's Bay and Strait.

Magnetic work, (with tables) at Stupart's Bay.

Chart of the drift of the *Alert* in the ice of Hudson Strait.

The paper by R. Bell appears in this bibliography under its author's name.

Copy seen: DLC.

2716. CANADA. DEPT. OF MARINE AND FISHERIES. Report on the Dominion Government Expedition to Arctic Islands and the Hudson Strait on board the C.G.S. "Arctic" 1906-1907. Ottawa, Printed by C. H. Parmelee, 1909. iv, 127 p. 47 plates, ports., fold. map.

Contains a narrative by Capt. J. E. Bernier, of the voyage in Davis Strait, Baffin Bay, Navy Board Inlet, Admiralty Inlet, Prince Regent Inlet, Lancaster Sound, Barrow Strait, Melville Sound, Lady Ann Strait and return.

Report of the annexations of Bylot Island, Cornwallis Island, Byam Martin Island, Griffith Island, Melville Island, Prince Patrick Island, Eglinton Island, Lowther Island, Coburg Island, and Ellesmere Island.

Description of the wintering at Albert Harbour, Baffin Island, and of the hunting and fishing of the natives and crew.

Report on the whaling of Baffin and Hudson Bays with statistics 1865-1907.

Appendices include: 1. Fullerton ice-formation, 1904-1905.

2. Albert Harbour, Pond Inlet ice-formation, Oct. 1906-July 1907.

3. Abstract of meteorological journal of the *Arctic*, Aug. 1906-Oct. 1907 (mainly at Albert Harbour or arctic islands)

4. Meteorological observations, Sept. 1906-Oct. 1907, at Killineck (island off north Labrador).

5. Daily temperature observations at Hebron, Labrador, Jan.-Dec. 1891.

6-7. Notes on specimens collected.

8. Orders and regulations, C.G.S. *Arctic*.

9. Information on natives of the Labrador coast. Fishery and other information on Port Burwell. Notes on season of navigation for Hudson Bay Route. List of some of the terms used in ice navigation by whalers, sealers and others. Particulars and dimensions of C.G.S. *Arctic*.

Map: Ship's track, and Eskimo route on Baffin Island.

Copy seen: DLC.

2717. CANADA. DEPT. OF MARINE AND FISHERIES. Report on the Dominion Government Expedition to Hudson Bay and the Arctic Islands on board the D.G.S. *Neptune*, 1903-1904. Ottawa, Govt. Print. Bur., 1906. xvii, 355 p.

incl. front., illus., plates, fold. map (in pocket).

Narrative (with supplemental information from previous reports) of expedition sent to patrol the waters, and to aid in establishing permanent government stations on shores; under A. P. Low, with scientific staff of L. E. Borden, botanist, A. Halket, naturalist, and C. E. King, topographer and meteorologist.

Contents: Voyage to the Bay (with notes on the *Neptune*, Port Burwell, Cumberland Gulf). Winter quarters at Fullerton. Summer cruise of the *Neptune* in 1904 (Hudson Strait, east side of Davis Strait and Baffin Bay to Smith Sound, return by Lancaster Sound, excursion to Beechey Island and west side Baffin Bay and Davis Strait).

Historical summary of discoveries and explorations in arctic America. Arctic islands (geology and descriptions of group 1, islands of Hudson Bay and Strait; 2, islands of Baffin Island complex; 3, islands west of Prince Regent Inlet and south of Lancaster Sound; and 4, islands north of Lancaster Sound and Barrow Strait).

Eskimos (including general distribution; the distribution and number of the Central Eskimos; their snowhouses, food, sledges, dogs, hunting and trapping, trade, boats; social organization, superstitions and beliefs; taboos; medicine men; amusements; clothing; morals).

Geology (general, and details by island groups, and geologic period); economic minerals (gold, silver, copper, iron, coal).

Whaling (methods, ships, whales, porpoises, seals). Navigation of Hudson Bay (including currents and ice).

Appendices: 1. Meteorological observations taken on board, Aug. 1903-Aug. 1904 (including sea-water temperatures, June-Aug. 1904, and notes on thickness of ice in the harbor).

2. List of birds and eggs identified or collected on the voyage (forty-four species.)

3. List of plants collected in 1904 by L. E. Borden and named by J. M. Macoun (sixty-five species).

4. Lambe, L. M. Notes on the fossil corals collected at Beechey Island, Southampton Island and Cape Chidley, 1904 (six, including two new, species). Preliminary list of organic remains

from Beechey Island, Lancaster Sound; from blocks of limestone from Southampton Island.

5. List of the principal works and papers consulted in the preparation of the report.

6. Borden, L. E. Notes on physical condition of Eskimos (body measurements of five men and four women).

Map: Geological map of northeastern part of Dominion of Canada (Geology, by A. P. Low; compiled with corrections to shoreline, by C. F. King; scale 50 mi.:1 in.) shows track of the *Neptune*.
Copy seen: DLC.

2718. CANADA. DEPT. OF MARINE AND FISHERIES. Report on the Dominion Government Expedition to the northern waters and Arctic Archipelago of the D.G.S. "Arctic" in 1910, under command of J. E. Bernier, [Ottawa? 1911?] 6 p. l., 5-161 p. illus., 3 fold. maps, tables.

Contains a report of a whaling patrol and exploring cruise, 1910-11, compiled from the log, by J. E. Bernier; an account of ship's track as far as the west coast of Melville Island on McClure Strait (with map); the wintering in Arctic Bay (east side of Admiralty Inlet, with map), and explorations along the shores of that inlet and eastward to Bylot Island; an overland trip to Fury and Hecla Strait and shores of the eastern part of Boothia Gulf, 1910; the crossing of Brodeur Peninsula and the surveying of east shore of Prince Regent Inlet, 1911.

Appendices: Abridged reports by officers, which include: 1-3. Lavoie's survey of Prince Regent Inlet coast of Brodeur Peninsula and south end of Admiralty Inlet (with sketch map).

4. Meteorological report (with tables, July 1910-Sept. 1911) of cruise and winter station.

5-6. Officers' reports.

7. Analyses of mineral specimens (Baffin, Banks, Bathurst, Bylot and other islands), reprint of Johnston, R.A.A. Prehnite from Adams Sound.

8. Ship's orders.

9. Information on Labrador coast (on the natives, Port Burwell, and the Hudson Bay Route).
Copy seen: DLC.

CANADA. DEPT. OF MARINE & FISHERIES, *see also* Hudson Strait Expedition, 1927-1928. Report 1927-28. 1929.

CANADA. DEPT. OF MARINE & FISHERIES, *see also* Hudson Strait Expedition, 1927-1928. Report to Dec. 31, 1927. 1928.

2719. CANADA. DEPT. OF MINES. MINES BRANCH. Gold in Canada, by A. H. A. Robinson. Ottawa, King's Printer, 1932-35. 3 v. incl. maps, tables, diagrs.

"Describes briefly the character and extent of the mining and production operations at the principal gold mines in Canada".-Preface, 1935. Includes data for Yukon Territory.
Copy seen: DGS.

2720. CANADA. DEPT. OF MINES. MINES BRANCH. Lode mining in Yukon: an investigation of quartz deposits in the Klondike division, by T. A. MacLean, M. E. Ottawa, Govt. Print. Bur., 1914. ix, 205, ix p. 40 plates (incl. front.) maps (part fold.) diagrs.

Contents: Introductory (historical, transportation, climate, timber, etc.) p. 3-16.

Dawson mining district (geology, methods of prospecting, mines and prospects) p. 17-126.

Duncan Creek mining district (location of claims in Dublin Gulch, geology, and individual prospects) p. 127-157.

Whitehorse mining district, p. 159-170.

Conrad mining district, p. 171-200.

Summary and appended notes on copper at White River, and on Coal Gulch, p. 201-205. Index, p. i-ix.

Copy seen: DGS.

CANADA. DEPT. OF MINES & RESOURCES, *see* Vivian, R. P., & others. Nutrition & health James B. Indian. 1948.

2721. CANADA. DEPT. OF MINES AND RESOURCES. BUREAU OF NORTHWEST TERRITORIES AND YUKON AFFAIRS. Manual of information and instructions for reindeer supervisory officers. [Ottawa, 1942] 2 p. l., viii, 146 numb. l. incl. fold. forms and printed insertions. Mimeographed.

"The object of this Manual is to have in convenient form an outline of the origin and purpose of the reindeer industry in northern Canada, with statements in respect to administrative policy and management . . . The statements are in loose-leaf form and may be changed as often as necessary."

Contains sections on reindeer stations, staff, range conditions, equipment and supplies, records and reports, herd management and conditions, transportation, communication, fuel supply, lighting arrangements, reindeer products, dogs, native herds, inspections and regulations. *Copy seen:* CaOM.

CANADA. DEPT. OF MINES AND RESOURCES. BUREAU OF NORTH-WEST TERRITORIES AND YUKON AFFAIRS, *see also* Canada. Northwest Territories and Yukon Services.

CANADA. DEPT. OF MINES & RESOURCES. FOREST SERVICE, *see* Halliday, W. E. D. Forest classification for Canada. 1937.

2722. CANADA. DEPT. OF MINES AND RESOURCES. LANDS AND DEVELOPMENT SERVICES BRANCH. Clarification of Yukon claim survey regulations. (Western miner, July 1948. v. 21, no. 7, p. 88, 90)

Notes on requirements of Section 78 of the Yukon Quartz Mining Act.

Copy seen: DGS.

2723. CANADA. DEPT. OF MINES AND RESOURCES. LANDS AND DEVELOPMENT SERVICES BRANCH. New dredges to be commissioned in Yukon. (Western miner, Apr. 1948. v. 21, no. 4, p. 117-18, illus.)

Review of gold mining activities during 1947 and notes on road maintenance and development.

Copy seen: DGS.

2724. CANADA. DEPT. OF MINES AND RESOURCES. LANDS AND DEVELOPMENT SERVICES BRANCH. The Northwest Territories. (Western miner, Apr. 1948. v. 21, no. 4, p. 85-87, illus.)

Review of mining development in 1947, in Mackenzie District from Yellowknife to Great Bear Lake, with notes on geological surveying, power development and transportation, and improvements made at the settlement of Yellowknife. *Copy seen:* DGS.

2725. CANADA. DEPT. OF MINES AND RESOURCES. LANDS, PARKS AND FORESTS BRANCH. Physical geography of the Canadian Eastern Arctic. 10 p. fold. map. Reprinted from *The Canada Year Book*, 1945.

Concise description by R. A. Gibson, of geology, topography, climate and

weather, ice conditions, of the mainland north of the tree line, Keewatin District and eastward, and of the islands and waters to the north.

Copy seen: CaMAI.

2726. CANADA. DEPT. OF MINES AND RESOURCES. LANDS, PARKS AND FORESTS BRANCH. The Yukon Territory. Ottawa, [1938] 13 p. map.

Brief statement of government, administration, physical features, transportation, mining and game laws, with schedule of fees, and points of interest to tourists. *Copy seen:* CaOA; DLC.

CANADA. DEPT. OF MINES & RESOURCES. LANDS, PARKS & FORESTS BRANCH, *see also* Bethune, W. C., & others. Canada's western northland. 1937.

CANADA. DEPT. OF MINES & RESOURCES. LANDS, PARKS & FORESTS BRANCH, *see also* Robinson, J. L. Outline Canadian E. Arctic. 1944.

2727. CANADA. DEPT. OF MINES AND RESOURCES. MINES, FORESTS AND SCIENTIFIC SERVICES BRANCH. MINERAL RESOURCES DIVISION. Labrador iron ore. Summary, Jan., 1949. [Ottawa] 1949. 8 numb. 1. fold. map. Mimeographed.

Report prepared by W. M. Goodwin, Bureau of Mines, on the Labrador iron ore area, recently discovered lying between 55°-57°30'N. diagonally from 66°-70°W., close to the Labrador-Quebec boundary. Contains a summary of the iron formation, mining concessions, ore deposits, nature of the ore, tonnage, analyses, transportation problem, power possibilities, operating conditions, taxes, and markets.

Copy seen: CaMAI.

2728. CANADA. DEPT. OF MINES AND RESOURCES. NORTHWEST TERRITORIES ADMINISTRATION. Regulations respecting game in the Northwest Territories. Edition of August, 1947. Ottawa, Northwest Territories Administration, 1947. 57 p.

The regulations with texts of relevant statutes, etc., descriptions of natives' game preserves, and of game sanctuaries are issued from time to time with amendments to date.

Copy seen: CaMAI; DF.

CANADA. DEPT. OF MINES AND RESOURCES. NORTHWEST TERRI-

TORIES ADMINISTRATION, *see also* Canada. Northwest Territories and Yukon Services.

CANADA. DEPT. OF MINES & RESOURCES. NORTHWEST TERRITORIES BRANCH, *see* Craig, J. D. Canadian arctic islands, log Canad. exped. 1922. 1923.

2729. CANADA. DEPT. OF NATIONAL HEALTH AND WELFARE. Annual report for the fiscal year ended March 31, 1946-1948. Ottawa, King's Printer, 1946-49. In progress.

Includes, since 1946 (the medical service for Indians and Eskimos having been transferred in 1945 to Dept. of Health, from Mines and Resources) section describing the work of the Directorate of Indian Health Services, which contains a history, list of facilities, description of public health activities and epidemics, among Indians and Eskimos.

File seen: CaOH (1946-1948).

CANADA. DEPT. OF NATIONAL HEALTH & WELFARE, *see also* Callaghan, J. C. X-ray survey trip Western Arctic coast. 1949.

CANADA. DEPT. OF NATIONAL HEALTH & WELFARE, *see also* Moore, P. E., & others. Medical survey of nutrition northern Manitoba Indians. 1946.

CANADA. DEPT. OF NATIONAL HEALTH & WELFARE, *see also* Vivian, R. P., & others. Nutrition & health James B. Indian. 1948.

2730. CANADA. DEPT. OF PUBLIC WORKS. Canada from the Atlantic to the Pacific and Arctic Oceans, arctic voyages, voyages of discovery in the North, and public works, etc. etc. [Ottawa, 1891?] 253 p. incl. tables. (*Its*: Report, 1890. Appendix 22) By G. F. Baillairgé.

Contents include (pt. 3, p. 64-67): Progressive discoveries and foundations of various cities (etc.)

Pt. 4. Latitudes, longitudes, climate, etc., observed during arctic expeditions.

Pt. 7. Mackenzie Basin and northwest chain of rivers and lakes. Yukon Territory (northern furs, opening and closing of navigation, 1876-86, and Indian and white population). Description of principal lakes and forts or trading stations in the northern territories.

Pt. 9. Chronological enumeration of voyages of discovery in the North, from B.C. to 1882. *Copy seen:* NNSf.

2731. CANADA. DEPT. OF RAILWAYS AND CANALS. Report of the Hudson's Bay railway surveys. Ottawa, King's Printer, 1909. 22 p. 9 plates. (Sessional paper no. 20 d. A. 1910)

Brief statement of preliminary survey carried out during the first year of the project, beginning July 1908, with notes on general conditions along the route, estimates for alternative routes, to Churchill and Nelson, and remarks on ice conditions, tides and currents in their harbors.

Copy seen: CaO.

2732. CANADA. DEPT. OF THE INTERIOR. The great Mackenzie basin. Reports of the Select committees of the Senate, sessions 1887 and 1888. A summary of the reports of the "Schultz committees of the Senate (1877-88) and of the evidence heard before said committees bearing upon the natural resources of that portion of the Canadian Northwest which still remains unexplored." Ottawa, King's Printer, 1908. 1 p. l., 80 p. 15 plates (incl. 2 maps) 4 fold. maps. Edited by E. J. Chambers, and published under direction of R. E. Young, Supt. of Railway Lands.

Digest of evidence on the area north of the Saskatchewan watershed, and lying between the Rocky Mts. and Hudson Bay. The evidence was given by Robert Bell, John Macoun, William Ogilvie (and others), and related to agriculture, forestry, fisheries, game and furs, minerals, climate, settlements, and means of communication.

Maps: Life zones of Hudson Bay and Mackenzie regions, from U. S. Biological Survey, North American fauna, no. 27. Barren Grounds, arable and pasture lands, northern limits of trees and of the possible cultivation of potatoes, barley and wheat. Geographical distribution of the principal Canadian mammals. Economic minerals. Navigable waters and the lignite areas of the Mackenzie basin, *Copy seen:* DSG.

2733. CANADA. DEPT. OF THE INTERIOR. The Hudson Bay Route, a compilation of facts with conclusions, by J. A. J. McKenna. Ottawa, Govt. Print. Bur., 1908. 54 p. 4 plates, fold. map.

Contains introductory remarks on the grain growing and outlet needs; a compilation of evidence on navigability of Hudson Bay and Strait, drawn from many sources; description of the country, resources and climate of the route for the proposed Hudson Bay railway, of Churchill River and its watershed, the coasts of Hudson Bay and its tributary rivers, and of Churchill Harbour.

Copy seen: CaOGB; DLC.

2734. CANADA. DEPT. OF THE INTERIOR. Navigation of Hudson's Bay. Ottawa [1878] 43 p. incl. tables, fold. map. Reprint of evidence given before the Select Standing Committee on Immigration and Colonization, House of Commons, Apr. 1878, by H. Y. Hind.

Contains evidence on the geography and navigation in Hudson Strait, the ice in Hudson Strait and Bay and on the Labrador, Nelson River, Port Nelson, the marine resources of Hudson Strait and Bay, and Manitoba and the North-West.

Tables: Returns of whaling vessels from American ports fishing in Hudson Bay, and annual value of catch, 1861-1876.

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2735. CANADA. DEPT. OF THE INTERIOR. Report of the Superintendent of Forestry on a trip down the Mackenzie and up the Yukon Rivers in the year 1906. Ottawa, Govt. Print. Bur., 1907. 26 p. 4 plates, fold. map. Extract from the department's annual report, 1907, part IX, by E. Stewart.

Contains a travel narrative describing the Mackenzie River from Fort McMurray to Fort Smith, from Fort Smith to Fort McPherson, thence the Bell and Porcupine Rivers to Fort Yukon, up the Yukon and Lewes Rivers to Whitehorse; notes on timber of Mackenzie Valley, condition of routes, and brief remarks on natural resources, and natives of the region traversed.

Copy seen: NNStef.

2736. CANADA. DEPT. OF THE INTERIOR. Report upon the title of Canada to the islands north of the mainland of Canada, by W. F. King, chief astronomer. Ottawa, Govt. Print. Bur., 1905. 77 p.

Contains documents, extracts, addresses, orders, etc., elucidating the title to Rupert's Land and Northwest

Territories, action of the Canadian Parliament on boundaries, transfer of territory to Canada from Great Britain, and international law.

Copy seen: DLC; NNStef.

2737. CANADA. DEPT. OF THE INTERIOR. The Yukon Territory, its history and resources. Ottawa, Govt. Print. Bur., 1909. 181 p. illus., 46 plates (1 fold.) tables, diagrs. Published first in 1907 (140 p.), again in 1909 with slight changes (140 p.), and here in a revised edition, enlarged, partly rewritten and with new chapter added on mining.

Contents: chap. 1. Historical sketch. Chap. 2. Constitution and government.

Chap. 3. Physical features (rivers and lakes).

Chap. 4. Mining. Pt. 1, a general description of the creeks under headings of various mining districts, showing annual gold output since 1885; pt. 2, conditions affecting mining (including staking, transportation, timber, frozen ground, gravels, water and other rights, machinery, etc.); pt. 3, mining methods (prospecting, thawing, sluicing, self-dumper tables, dredging, power, labor, companies operating, cost tables, hydrauliclicking); pt. 4, quartz mining; pt. 5, coal.

Chap. 5. Transportation (freight tariffs, winter travel, road construction, distances from Dawson and Whitehorse to different points in the territory).

Chap. 6. General information (climate, sport, education, agriculture, horticulture).

Appendices: 1. Tariff items on mining machinery. 2. Annual return of fishery inspector. 3. Price list of lumber at Dawson. 4. Land purchased for agricultural purposes. 5. Retail price of groceries.

Copy seen: DGS.

2738. CANADA. DEPT. OF THE INTERIOR. The Yukon Territory, its history and resources. Ottawa, [Govt. Print. Bur.] 1916. x, 233 p., illus., plates (incl. 3 fold.)

Another edition of the work first published in 1907, revised, enlarged and so rewritten as to constitute a new work, of which still another edition was published in 1926 by the Northwest Territories and Yukon Branch of this Dept., q.v.

Contents: Historical sketch. Constitution and government. Mining. Placer mining. Dredging (companies, equipment, methods, costs, etc.) Hydraulic mining. Ore deposits. Coal. Radium-bearing minerals. Fox farming. Transportation. Agriculture. General information (education, climate, game).

Appendices: regulations, travel rates, prices, officials.

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2739. CANADA. DEPT. OF THE INTERIOR. NATURAL RESOURCES INTELLIGENCE BRANCH. Historic forts and trading posts of the French regime and of the English fur trading companies. Compiled by Ernest Voorhis. [Ottawa, 1930] 1 p. l., ii, 188 numb. l. 2 fold. maps. Mimeographed.

This study includes the area from Labrador across Ungava Peninsula, around Hudson and James Bays, in the Mackenzie Valley and Yukon Territory. It contains an alphabetical list with historical notes on each fort; main portage and canoe routes; French trading companies; free traders after the cession of Canada 1763; the Northwest Co. and Hudson's Bay Co.; with a bibliography (85 items) and list of maps consulted.

Copy seen: CaOGB; DLC.

2740. CANADA. DEPT. OF THE INTERIOR. NATURAL RESOURCES INTELLIGENCE BRANCH. The Hudson Bay Railway belt and Hudson Bay. [Ottawa?] 1925. 2 p. l., 35 numb. l. incl. tables. fold. map. Mimeographed.

"A brief synopsis of the important available information concerning the resources . . . compiled mainly from reports of exploratory parties and from data . . . in federal and provincial government publications."

Contains general information on climate, agriculture, minerals, forests, fisheries, game and fur, water power, and navigation of the region (northern Manitoba with casual reference to the Barren Grounds northwest of the Bay) concerned in the railway from the Pas to Churchill. Bibliography (109 items).

Copy seen: CaO.

2741. CANADA. DEPT. OF THE INTERIOR. NATURAL RESOURCES INTELLIGENCE BRANCH. The Hudson Bay region. Ottawa, King's Printer, 1929. vii, 50 p. illus., diags. Pamphlet for general readers by F. H. Kitto.

Contains general description; outline of natural resources (lands, forests,

minerals, water powers, fur and game, fisheries); mining developments; transportation (Hudson Bay Railway, Churchill Harbour, ice investigations, railway extensions, general travel); bibliography.

Copy seen: DGS.

2742. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Canada's Arctic Islands. Canadian expeditions, 1922 and 1923, J. D. Craig . . . officer-in-charge. 1924, F. D. Henderson . . . officer-in-charge. 1925 and 1926, Geo. P. Mackenzie, officer-in-charge. Ottawa, King's Printer, 1927. 54 p. incl. illus., map. fold. plate.

Reports on the expeditions of 1922-25 in C. G. S. *Arctic*, and 1926, in a chartered steamship *Beothic*, which patrolled the eastern islands to re-provision government posts, establish new posts, and to convey officers detailed for duty in that area. Pond Inlet, Craig Harbour, Dundas Harbour (established 1924) and Pangnirtung (southern Baffin Island) were visited regularly; calls made to establish a new post at Fram Haven, Rice Strait, Ellesmere Island, 1924-25, and on Bache Peninsula, 79°04'N. 76°18'W., 1926. Includes throughout descriptions of the ice conditions and the activities of the medical officers among the natives.

Copy seen: CaMAI; DLC.

2743. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Canada's Western Arctic. Report on investigations in 1925-26, 1928-29, and 1930. Major L. T. Burwash investigator. Ottawa, King's Printer, 1931. 116 p. incl. 32 illus., diags. 8 maps (1 fold.)

Account of investigations in the regions "from the Mackenzie Delta to King William Island and Hudson Bay, on the Eskimos, their health and welfare, on wild life, mineral deposits, natural resources, the fur trade, climate, travel and transportation, magnetic conditions in the neighborhood of the magnetic pole, and on the area in which the Franklin expedition was lost." Contains remarks throughout on the localities visited, especially on the two winterings on King William Island. This work has no index.

Copy seen: DLC.

2744. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES

IES AND YUKON BRANCH. Conserving Canada's musk-oxen, being an account of an investigation of Thelon game sanctuary 1928-29 with a brief history of the area and an outline of known facts regarding the musk-ox, by W. H. B. Hoare. Ottawa, King's Printer, 1930. 53 p. incl. front., illus., 4 maps.

Report on the Thelon Game Sanctuary, an irregular shaped area between 63°-65°N. and 101°-108°W., containing accounts of the patrols made in the southern part, 1928 and the northern part, 1929; description of caribou migration in the area, the woods in the sanctuary, and historical sketch.

Appendices: A. The musk-ox. Compilation of data on its size, geographic distribution, and note on its status.

B. Anderson, R. M. Notes on the musk-ox and caribou. (Numbers and status). *Coppy seen:* CaOI; DLC.

2745. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Coronation Gulf copper deposits. Report of an inspection of the known mineralized areas in Coronation Gulf and Bathurst Inlet districts 1928-29, by Major L. T. Burwash. Ottawa, King's Printer, 1930. 41 p. incl. illus., 3 maps.

The author proceeded, July-Aug. 1928, via Aklavik through Dolphin and Union Strait, to Gjoa Haven, southeast King William Island, where he wintered. Abandoning camp in May 1929, he traveled by stages via Simpson Strait, Sherman Inlet and Cambridge Bay, to the Bathurst Inlet and lower Coppermine River region of Coronation Gulf, where he carried out investigations of the copper deposits. The return was made by ship and airplane. He gives here an account of the journeys, descriptions of ice conditions, notes on travel by dog sled, selection of clothing, camp outfit, and air travel; a summary of results of mineral investigations; notes on land, sea and air transportation in the Canadian North; and an appended "bill of material for one basket sled." *Coppy seen:* CaOI; DLC.

2746. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Great Slave Lake area, Northwest Territories, by G. H. Blanchet. Ottawa, King's Printer, 1926. 1 p. l., 5-58 p. incl. illus., tab. fold. front. (map)

Contains chapters on geology and topography, the control surveys in the area 1921-25, general description of (1) western or Mackenzie valley portion of the area, (2) northwestern or north arm portion, (3) country east of Slave River, and (4) northeastern or east arm—Lockhart River portion; settlement and transportation, climate and vegetation, and animal life.

Appendix: McDonald, W. L. Geological notes of portions of the Great Slave Lake area. Bibliography (27 items).

Coppy seen: CaOI; CaOG; DLC.

2747. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Keewatin and northeastern Mackenzie. A general survey of the life, activities, and natural resources of this section of the Northwest Territories, Canada. By G. H. Blanchet. Ottawa, King's Printer, 1930. 78 p. illus., maps (1 fold.) diagrs.

Contents: Physical characteristics. Mineral explorations in the Northwest Territories. The aeroplane (prospecting, flying conditions, aeroplane problems, flying problems, arctic highways to Europe and Asia). Climate (snow and rain, ice on lakes and in Hudson Bay, tides and currents in Hudson Bay, meteorological charts). Fauna. The Eskimo (conditions in Keewatin, tribal divisions, seasonal activities, the sledge, snow house, clothing, domestic life, advance of civilization). Vocabulary (useful words of Sonatmuit [Caribou Eskimo] dialect).

Maps: (1) Aerial routes in northern Canada; (2) section of Northwest Territories covered by this survey.

Coppy seen: DGS.

2748. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Local conditions in the Mackenzie District, 1922, by J. F. Moran. Ottawa, King's Printer, 1923. 19 p. incl. front., illus., tables, charts (1 fold.)

Description of the populated places from Edmonton to Aklavik, with mention of government agencies, trading posts, transportation, mail service, lumber, missions, schools, hospitals, and population; also a table of distances for various routes.

Coppy seen: CaOM.

2749. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITOR-

IES AND YUKON BRANCH. Mining development in the Mackenzie District, 1922, by L. T. Burwash. Ottawa, King's Printer, 1923. 19 p. illus., sketch map.

Report on the area west of 102° meridian and north of 60° parallel in the basin of the Slave and Mackenzie Rivers. *Contains* a few remarks on the topography and geology, the early exploration and geological investigation, and discussion of recent developments, beginning 1919, in oil prospecting at Norman and Windy Point, Great Slave Lake (later abandoned), gold prospecting Little Caribou Island, Great Slave Lake (later abandoned), and the Norman Wells development; Bibliography (21 items). *Copy seen:* CaOM; DLC.

2750. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Preliminary report on the aerial mineral exploration of northern Canada, by G. H. Blanchet . . . Ottawa, King's Printer, 1930. 32 p. incl. 2 sketch maps, (1 double face).

Contains a summary of activities of the Northern Aerial Mineral Exploration, Dominion Explorers, Ltd., and Cyril Knight Co., in aerial reconnaissance in the Hudson Bay region of Keewatin District; notes on methods and mapping; on the climate, vegetation, wildlife, and Eskimos of Keewatin; and general remarks on the aeroplane in northern Canada.

Copy seen: CaMAI; DLC.

2751. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Southern Baffin Island; an account of exploration, investigation and settlement during the past fifty years. Ottawa, King's Printer, 1930. 130 p. illus. (incl. 9 sketch maps) 4 fold. maps. Collated and edited by A. E. Millward.

Contains summaries of the work done, 1882-1928, by various expeditions, Church of England missions, the Royal Canadian Mounted Police, Dept. of the Interior and Geological Survey of Canada, in opening up the country, and providing new maps and information.

Appendix: Hantzsch, B. A. The crossing of Baffin Island to Foxe Basin. (Translation of Rosenmüller, M. *Bernhard Hantzsch und seine letzte Forschungsreise in Baffinland*, 1913, p. 676-716, q.v.) *Copy seen:* CaMAI; CaOA.

2752. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. Yukon, land of the Klondike, by F. H. Kitto. Ottawa, 1929. 45 p. illus., 3 sketch maps. Another edition with slight changes, 1930.

Tourist pamphlet with general information on routes, trips and points of interest.

Copy seen: CaOA; DLC (2d ed.)

2753. CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES AND YUKON BRANCH. The Yukon Territory. 1926. Ottawa, King's Printer, 1926. [3]-100 p. incl. illus., ports., facsimis., tables. fold. map.

Contains historical sketch, especially of the Klondike development, description of the constitution and government, and (in detail) of the placer deposits, mining methods and operators, the lode deposits; also (in less detail) the water power, agriculture, game, fur and fish, transportation, communication, aborigines, churches and hospitals and education.

Appendices include list of officials, synopses of mining laws, gold statistics, roads and distances, railway rates, and population.

Map: Northwest Territories and Yukon, showing telegraph line and radio stations. *Copy seen:* DLC.

CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES & YUKON BRANCH, *see also* Bethune, W. C. Canada's Eastern Arctic. 1934.

CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES & YUKON BRANCH, *see also* Graham, M. & F. V. Seibert. Canada's wild buffalo. 1923.

CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES & YUKON BRANCH, *see also* Hoare, W. H. B. Report invest. Eskimo & wildlife 1924-26. 1926.

CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES & YUKON BRANCH, *see also* Peck, E. J. Eskimo grammar. 1931.

CANADA. DEPT. OF THE INTERIOR. NORTHWEST TERRITORIES & YUKON BRANCH, *see also* Porsild, A. E. Reindeer grazing in northwest Canada. 1929.

CANADA. DEPT. OF THE INTERIOR.
NORTHWEST TERRITORIES & YUKON
BRANCH, *see also* Canada. North-
west Territories and Yukon services.

2754. CANADA. DEPT. OF THE NA-
VAL SERVICE. Reports on fisheries
investigations in Hudson and James
Bays and tributary waters in 1914.
Ottawa, King's Printer 1915. 85 p. 22
plates (incl. 2 sketch maps) fold. map.
(*Its*: Annual report, 1913-14. Appendix.
Sessional paper No. 39a-1915)

Contents: MELVILL, C. D. Report
on the east-coastal fisheries of James
Bay.

LOWER, A. R. M. A report on the
fish and fisheries of the west coast of
James Bay.

COMEAU, N. A. Report on the Fish-
eries Expedition to Hudson Bay in the
auxiliary schooner "Burleigh" 1914.

Each of these papers appears in this
Bibliography under its author's name.

Copy seen: CaO.

CANADA. DEPT. OF THE NAVAL
SERVICE, *see also* Canadian Arctic Ex-
pedition 1913-1918. Report. 1919-46.

2755. CANADA. DEPT. OF TRANS-
PORT. Churchill and the Hudson Bay
Route. Ottawa, King's Printer, 1939.
50 p. incl. illus., tables. 2 fold. charts.

Contains chapters on history, 1610-
1847 and 1886-1935, which include the
discovery and exploration, Hudson's
Bay Co., Fort Prince of Wales, the
Northwest Passage explorations of
Hudson's Bay Co. men, and the Hudson
Bay Railway development; with more
detailed information on the port facil-
ities, dredging, water supply, ice sur-
veys, shipping, and the development of
navigational aids in Hudson Bay and
Strait.

Maps: plans of (1) Churchill Har-
bour and vicinity, and (2) Churchill
wharf, elevator and vicinity.

Copy seen: DLC.

2756. CANADA. DEPT. OF TRANS-
PORT. Navigation conditions on the
Hudson Bay Route from the Atlantic
seaboard to Port Churchill, season of
navigation, [1929 and onwards] Ottawa,
King's Printer, [1930 and onwards]

This annual compilation of data was
first published under the Dept. of
Marine as *Navigation conditions in
Hudson Bay and Strait during the sea-
son of navigation 1929*, Ottawa, 1930,

and yearly thereafter till 1936, (with
change of title in the 1935 report *pub.*
1936). The Dept. of Transport (suc-
cessor to Dept. of Marine) issued the 1936
report (*pub.* 1937) and subsequent an-
nual reports till that (the 21st) of
1949 (*pub.* 1950). The reports vary
somewhat from year to year according
to the data available, comprising about
50-100 pages with small chart, illustra-
tions (plates) etc. Their contents are
based on data supplied to the depart-
ment by ships in navigation, and on
other departmental records. They in-
clude shipping reports (movements and
cargoes), navigation aids (lights, radio,
direction-finding stations, etc., ice-
breaker *N. B. McLean*), detailed re-
ports on weather and ice conditions as
indicated below (for the reports of
1929-49, *pub.* 1930-50).

Routine daily meteorological reports
or notes (beginning in 1929) from the
logs of commercial ships, patrol ships
(especially *N. B. McLean*) and tugs,
and other vessels, made during passage
in the navigation season. Reports in-
clude observations or notes on visibility,
waves and ice conditions. Wind and
weather conditions are usually reported
2 to 3 times daily, other elements may
be reported synthetically or be averaged
for the day. Ships reporting regularly
are *N. B. McLean* and *Nascope* (till
1946); eleven ships reported in 1949.

Routine daily meteorological observa-
tions made at 0800 and 2000 hours at
Port Burwell, July-Oct. 1929; at Cape
Hopes Advance, July-Oct. 1929, July-
Nov. 1930, July-Nov. 1931, July-Nov.
1932, July 1-Oct. 5, 1933, July-Nov.
1934, July 26-Oct. 15, 1935, July 17-
Oct. 11, 1936, July 18-Sept. 26, 1937,
Sept. 27-Oct. 11, 1938, Aug. 6-Sept.
30, 1939, Aug.-Nov. 1942, and July-Nov.
1943 and onwards; at Port Harrison
Sept. 9-Nov. 30, 1937, and during the
period July-Nov. in 1938 and onwards;
at Coral Harbour, Southampton Island,
July-Nov. 1948 and onwards. Observa-
tions include visibility and ice condi-
tions.

Routine daily meteorological obser-
vations made at 0800 and 2000 hours at
Chesterfield Inlet during the period
July 1-Nov. 30 annually, 1929 onwards.
Observations include visibility and ice
conditions.

Routine daily meteorological observa-
tions made at 0800 and 2000 hours at

Port Churchill during the period July-Oct. 1929 and July-Nov. annually 1930 onwards. Observations include visibility and ice conditions.

Routine meteorological observations made daily at 0800 and 2000 hours at Nottingham Island during the period July-Oct. 1929, and July-Nov. annually 1930 onwards, and at Resolution Island during the period July-Nov. annually 1930 and onwards (except Oct. 9-Nov. 30, 1933 lacking). Observations include visibility and ice conditions.

Sea temperatures, measured every four hours during a voyage from Halifax to Port Churchill and return to Halifax on the SS. *Canadian Trooper* July 25-Sept. 1, 1929, and on a voyage from Halifax to Churchill and return to Halifax on the SS. *Canadian Squatter* during the period Aug. 25-Sept. 29, 1929, are given in tables in the 1929 volume, p. 14, 16. The N. B. McLean reported daily sea temperature regularly during navigation season from 1942 onwards.

The report for 1948 includes data on the new arctic patrol vessel *Rupert's Land*, and that for 1949 on the C. D. Howe. **File seen:** DLC; DN-HO.

CANADA. DEPT. OF TRANSPORT. BUREAU OF TRANSPORT ECONOMICS. BOARD OF TRANSPORT COMMISSIONERS, *see* Canada. Board of Transport Commissioners.

CANADA. DEPT. OF TRANSPORT. METEOROLOGICAL DIVISION, *see* Canada. Meteorological Service.

2757. CANADA. DOMINION WATER AND POWER BUREAU. Surface water supply of Canada. Arctic and western Hudson Bay drainage and Mississippi drainage in Canada in British Columbia, Alberta, Saskatchewan, Manitoba, the Northwest Territories, and western Ontario. 1919/20-1941/43. Ottawa, 1921-47. 17 v. maps (part fold.) tables. (*Its*: Water resources paper, no. 31, 36, 40, 44, 46, 50, 54, 57, 62, 66, 68, 71, 75, 82, 84, 88, 92) Annual, 1919/20-1928/29; biennial, 1929/31-1941/43. Title varies slightly. Issued 1919/20-1922/23 by the Dept. of the Interior, Dominion Water Power Branch; 1923/24-1927/28, by the Dominion Water Power and Reclamation Service; 1928/29-1931/33, by the Dominion Water Power and Hydrometric Bureau.

Contains data for: Mackenzie River at Simpson, gauge heights during open water, 1938-43; at Norman, gauge heights Aug. 1938-Sept. 1943.

Slave River tributary basin at Fort Smith, water elevations in feet, Sept. 1937-Sept. 1943.

Liard River tributary basin at Fort Liard, gauge heights May-Oct. 1942 and Sept. 1943.

Great Slave Lake at Resolution, gauge heights Jan. 1934-June 1935 and July 1939-Oct. 1943; at Yellowknife Bay, water elevations June 1938-Sept. 1943; Yellowknife River at outlet from Bluefish Lake dam and diversion at site Y., monthly and daily discharge Jan. 1941-Sept. 1943; at inlet to Prosperous Lake, monthly and daily discharge Jan. 1939-Sept. 1943.

Coppermine River Basin, discharge Apr. 19, 1932 and Apr. 25, 1935, ice conditions Apr. 12, 1933 and Apr. 25, 1934.

Great Bear Lake Basin, monthly and daily discharge Dec. 1933-Sept. 1935 Camsell River; water elevations 1934 and 1938-39 at Cameron Bay (Port Radium).

Hay River tributary basin, mean monthly discharge and daily gauge heights, July 1929 to Apr. 1931.

Reference list of hydrometric records appears in paper no. 92, *pub.* 1947, which indicates the *Water resources paper* number for various watersheds.

File seen: CaOG; DGS.

2758. CANADA. DOMINION WATER AND POWER BUREAU. Surface water supply of Canada. Pacific drainage, British Columbia and Yukon Territory . . . Climatic years 1911-12-1941-42. Ottawa, King's Printer, 1914-1946.

Includes daily gauge height of Lewes River, at Whitehorse, 1920/21-1941/42.

File seen: DGS.

2759. CANADA. DOMINION WATER AND POWER BUREAU. Surface water supply of Canada. St. Lawrence and southern Hudson Bay drainage, Ontario and Quebec . . . Climatic years 1925/27-1944/45. Eaux de surface du Canada. Bassins du St.-Laurent et de la baie d'Hudson sud, l'Ontario et le Québec . . . [Ottawa, King's Printer, 1929-1949] 10 v. fronts., maps (part fold.) tables. biennial. (*Its* Water resources paper no. 58, 64, 70, 74, 76, 79, 85, 89, 93 and 95) In progress. Reports

for the Province of Ontario for 1920-24 were issued as Water resources paper no. 28, 34, 38, 42 and 49; for the Province of Quebec for 1923-25, as Water resources paper no. 41 and 48.

Includes tables of monthly and daily discharge, and run-off data for the Missinaibi, Mattagami, Abitibi, and Harricanaw Rivers. *Set seen:* DGS.

CANADA. DOMINION WILDLIFE SERVICE, *see* Crissey, W. F., & others. Waterfowl populations (etc.) 1949. 1949.

CANADA. DOMINION WILDLIFE SERVICE, *see* Williams, C. S., & others. Waterfowl populations & breeding. 1948.

2760. CANADA. EXPERIMENTAL FARMS SERVICE. Garden report, autumn 1946, Ft. McPherson, N.W.T., of Rev. & Mrs. A. S. Dewdney. [Ottawa, 1946?] 2 l. Mimeographed.

Notes on weather and time of planting and progress of vegetables and flowers during the year, with remarks on absence of insect pests.

Copy seen: CaMAI; CaOA.

2761. CANADA. EXPERIMENTAL FARMS SERVICE. Interim report of garden and field tests conducted on the Whitehorse Substation in 1947, by J. W. Abbott. [Ottawa, 1948?] 4 l. Mimeographed.

Notes dated Nov. 10, 1947, on cereal grains, forage plants and garden vegetables, with list of facilities completed on the substation.

Copy seen: CaMAI; CaOA.

2762. CANADA. EXPERIMENTAL FARMS SERVICE. Preliminary report on an exploratory soil survey along the Alaska Military Highway and the Yukon River system. Ottawa, 1943. 2 p. l., 16 p. tables. Mimeographed. By A. Leahey.

The survey, carried out by the author and V. C. Brink, June 21-Aug. 13, covered the Highway from Fort Nelson, B. C., to west of Whitehorse (256 miles), traveled down the Lewes and Yukon Rivers to Dawson, and flew from Dawson to Mayo, returning to Stewart by boat. This report contains a general description of the areas which have agricultural possibilities. In Yukon Territory these areas include Lake Teslin, Atlin and Tagish Flats, Carcross-Rob-

inson area, Takhini-Dezadeash valleys, Carmacks, Selkirk, Yukon River flats and islands, Klondyke River flats, uplands at Dawson City, Mayo and Stewart Rivers. *Copy seen:* CaMAI.

2763. CANADA. EXPERIMENTAL FARMS SERVICE. Preliminary report on the native vegetation. 1. Along the Alaska Military Highway from Fort St. John, B. C. to Kluane Lake, Yukon. 2. Along the Nelson and Liard Rivers from Fort Nelson, B. C. to Fort Simpson, N. W. T. [Ottawa] 1944. 11 l. Mimeographed. By F. S. Nowosad.

Contains a general description of the areas examined while traveling by car or in a canoe, including remarks on trees, forests, possible grazing areas, muskegs, burned-over areas, and soils.

Copy seen: CaMAI.

2764. CANADA. EXPERIMENTAL FARMS SERVICE. Progress report Pine Creek Experimental Substation Whitehorse, Y. T. [Ottawa, 1945] 2 l. Mimeographed.

Notes on construction and equipment of the new substation, by A. Leahey.

Copy seen: CaMAI; CaOA.

2765. CANADA. EXPERIMENTAL FARMS SERVICE. Report of a developmental survey into the Tagish-Carcross districts of the Yukon. [Ottawa, 1947?] 4 l. Mimeographed.

Report dated Nov. 16, 1946, by J. W. Abbott, in charge of Experimental Substation Whitehorse. Notes on mink and fox farms, a general and dairy farm, and gardens in the southern Yukon region. *Copy seen:* CaMAI; CaOA.

2766. CANADA. EXPERIMENTAL FARMS SERVICE. Report of an exploratory soil survey made along the water route from Fort Nelson, B. C., to Waterways, Alta. via Fort Simpson, N. W. T. [Ottawa] 1944. 2 p. l. 26 p. tables. Mimeographed.

The author, A. Leahey, and F. S. Nowosad, traveled by canoe in July-Aug., from Fort Nelson via the Nelson and Liard Rivers to Fort Simpson, thence via Mackenzie River to Great Slave Lake, around its south shore to Slave River, and south to Lake Athabaska. This report contains brief discussion of the general characteristics of the river valleys and description of soil profiles; comments on agriculture, absence of permafrost in lands suitable

for agriculture, and the climate; and a table of distances on water route.

Copy seen: CaMAI.

2767. CANADA. EXPERIMENTAL FARMS SERVICE. Report on agricultural investigations in the Mackenzie River Basin 1945. Ottawa, Central Experimental Farm, 1946. 20 numb. 1. Mimeographed.

The author, F. V. Hutton, and one assistant with headquarters at Yellowknife, Great Slave Lake, spent the summer aiding and encouraging settlers in gardening. This report contains lists of vegetable and flower seeds sent to cooperators, and description of gardening conditions along the Mackenzie River and at Forts Smith, Fitzgerald and Simpson and at Yellowknife.

Copy seen: CaMAI; CaOGB.

2768. CANADA. EXPERIMENTAL FARMS SERVICE. Report on agricultural possibilities in the Mackenzie River Basin 1944. [Ottawa, Dominion Experimental Farms, 1945?] 17 p. incl. tables. Mimeographed.

Results, written by F. V. Hutton, of investigations carried out at seven places along the Mackenzie River, at Fort Fitzgerald, Fort Smith, Yellowknife and Eldorado (Great Slave Lake region). The investigations covered type of soil, number and condition of gardens, main types of (1) native plants and trees, and (2) introduced plants, and the amount and kind of livestock and its feed.

Copy seen: CaMAI; CaOGB.

2769. CANADA. EXPERIMENTAL FARMS SERVICE. Report on Dawson City-Mayo-Yukon interior survey trip during August 1946. [Ottawa, 1947?] 10 l. Mimeographed.

Report by J. W. Abbott, in charge Experimental Substation Whitehorse, dated Nov. 8, 1946, on the second annual survey of agricultural enterprise in the Yukon interior. Contains brief notes on progress in general farming and gardening of individual holdings; with optimistic conclusions concerning agricultural possibilities in this "extra-latitudinal" region.

Copy seen: CaMAI; CaOA.

2770. CANADA. EXPERIMENTAL FARMS SERVICE. Report on grain samples received from substation, Whitehorse, Yukon Territory 1946. [Ottawa, 1946?] 1 l. Mimeographed.

Results of determination of 1000 kernel weight of barley, oats and spring wheat. *Copy seen:* CaMAI; CaOA.

2771. CANADA. EXPERIMENTAL FARMS SERVICE. Report on selection of a site for an agricultural experimental substation in the Yukon Territory, by A. Leahey. Ottawa [1944] 4 l. Mimeographed.

Notes on nature of the soils and land in southwestern Yukon near the Alaska Highway and near Whitehorse.

Copy seen: CaMAI; CaOA.

2772. CANADA. EXPERIMENTAL FARMS SERVICE. Report on trip to experimental substation, Whitehorse, Y. T. 1946. Ottawa [1946?] 6 l. Mimeographed.

The author (A. Leahey) and a member of the Canadian Cereal Division staff traveled to Yukon and Alaska in July 1946, to inspect the Whitehorse substation, to complete the exploratory soil survey of the Alaska Highway in Canada, to visit an Alaskan experimental station (Palmer, Matanuska valley) and to visit the American party of specialists sent to Alaska by the U. S. Dept. of Agriculture.

Copy seen: CaMAI; CaOA.

2773. CANADA. EXPERIMENTAL FARMS SERVICE. Summary of reports from vegetable growers or co-operators in the Northwest who have received vegetable seeds from the Division of Horticulture for trial, by W. Ferguson. Ottawa, 1945. 3 l. Mimeographed.

Garden reports from Yukon Territory and Mackenzie River valley.

Copy seen: CaMAI; CaOA.

2774. CANADA. EXPERIMENTAL FARMS SERVICE. Visit to northern substations and Alaska. By P. R. Cowan. [Ottawa, 1946] 4 l. Mimeographed.

The Cereal Division expert who accompanied A. Leahey on an inspection trip, discusses the cereal work at Whitehorse substation, remarks on soil, the beauty of the Alaska Highway, and the work of Alaskan experimental agriculture in comparison with that of Canada. *Copy seen:* CaMAI; CaOA.

2775. CANADA. EXPERIMENTAL FARMS SERVICE. Yearly survey of Carcross-Tagish District. [Ottawa, 1948?] 3 l. Mimeographed.

By J. W. Abbott, in charge Experimental Substation, mile 1019, Alaska Highway, Whitehorse, Y. T., dated Oct. 22, 1947. Notes on cattle raising and gardening in southern Yukon Territory.

Copy seen: CaMAI; CaOA.

2776. CANADA. EXPERIMENTAL FARMS SERVICE. Yearly survey of Yukon agricultural enterprise. [Ottawa, 1948?] 6 l. Mimeographed.

By J. W. Abbott, in charge of Experimental Substation, mile 1019 Alaska Highway, Whitehorse, Y. T., dated Oct. 16, 1947. Third annual report on general farming and gardening in Yukon Territory.

Copy seen: CaMAI; CaOA.

2777. CANADA. FISHERIES RESEARCH BOARD. North West Canadian fisheries surveys in 1944-1945. Ottawa, 1947. 94 p. illus., 5 sketch maps (2 double face) tables, diagrs. (*Its:* Bulletin. No. 72)

The Canadian Fisheries Research Board sent two parties into the Northwest Territories in 1944. Prof. V. C. Wynne-Edwards and Dr. R. Grant traveled by canoes down the Mackenzie River and made a brief survey of Great Bear Lake. Dr. D. S. Rawson, with a larger party made a general survey of Great Slave Lake. "In the summer of 1945 Prof. Wynne-Edwards and Dr. Grant made a reconnaissance survey of the chief rivers and lakes of the Yukon, Dr. R. B. Miller directed a general survey of Great Bear Lake, and Dr. Rawson directed similar parties working in Great Slave and Athabaska Lakes." The reports describe the geographic and hydrographic characteristics of the regions, the natural history of the fishes, notes on domestic uses, game fish and commercial possibilities of the fisheries; with remarks on conservation and the possibilities of improving the fishing.

Contents include: Chap. 1. Cameron, A. T. Introduction.

Chap. 2. Wynne-Edwards, V. C. The Yukon Territory.

Chap. 3. Wynne-Edwards, V. C. The Mackenzie River.

Chap. 4. Miller, R. B. Great Bear Lake.

Chap. 5. Rawson, D. S. Great Slave Lake.

Chap. 7. Dymond, J. R. General conclusions.

Copy seen: CaMAI; DF; DSI-M.

CANADA. FISHERIES RESEARCH BOARD. ATLANTIC OCEANOGRAPHIC GROUP, *see* Bailey, W. B., & H. B. Hachey. Increasing Atlantic influence Hudson B. 1949.

CANADA. FISHERIES RESEARCH BOARD. ATLANTIC OCEANOGRAPHIC GROUP, *see* Bailey, W. B., & H. B. Hachey. Vertical temperature structure Labrador Current. 1949.

CANADA. GEOGRAPHIC BOARD OF CANADA, *see* Peck, E. J. Eskimo grammar. 1919, 1931.

2778. CANADA. GEOLOGICAL SURVEY. Contributions to Canadian palaeontology. Ottawa, King's Printer, 1885-1910. 4 v. illus., plates.

Contents include: v. 1, pt. 2. WHITEAVES, J. F. Cretaceous fossils from British Columbia, the North-West Territory and Manitoba.

v. 1, pt. 3. WHITEAVES, J. F. Fossils of the Devonian rocks of the Mackenzie River basin.

These papers appear in this Bibliography under the author's name.

Copy seen: DGS.

2779. CANADA. GEOLOGICAL SURVEY. A descriptive sketch of the geology and economic minerals of Canada. By G. A. Young. Introduction by R. W. Brock. Ottawa, Govt. Print. Bur., 1909. 151 p., 1 l. illus., 81 plates, 2 fold. maps. Second edition, issued in 1926, has title: Geology and economic minerals of Canada.

Contents include chap. 4 (p. 71-102), Laurentian plateau; chap. 5 (p. 103-106), Arctic archipelago; chap. 7 (p. 117-42), Cordilleran region; chap. 8 (p. 143-46), The glacial period in Canada.

Maps: mineral occurrence (then known), and geology of continental Canada.

Copy seen: DGS.

2780. CANADA. GEOLOGICAL SURVEY. Excursions in northern British Columbia and Yukon Territory and along the North Pacific coast. (Excursions C8 and C9). Ottawa, Govt. Print. Bur., 1913. 179 p. incl. 39 full page illus., 16 maps (11 fold.). Errata sheet mounted following title-page. (*Its:* Guide book, no. 10)

Contents include (p. 37-176) CAIRNES, D. D., and others. Yukon

and Malaspina (analysed in this Bibliography under the author's name).

Copy seen: NNStef.

2781. CANADA. GEOLOGICAL SURVEY. Geology and economic minerals of Canada. 3d ed. Ottawa, King's Printer, 1947. xi, 357 p. illus. sketch maps, diagrs. (Economic geology series no. 1) Second edition, pub. 1926 (iii, 187 p.); first edition, with title: *A descriptive sketch of the geology and economic minerals of Canada*, pub. 1909, q.v. (Both of these editions are out of print.)

Contents include: Chap. 1. Hanson, G. Introduction.

Chap. 2. COOKE, H. C. The Canadian Shield.

Chap. 5. CALEY, J. F. The Hudson Bay lowland.

Chap. 7. LORD, C. S., and others. The Cordilleran region.

Chap. 8. ARMSTRONG, J. E. The arctic archipelago.

Chap. 9. WICKENDEN, R. T. D. Pleistocene glacial deposits.

Each of these chapters except the introduction appears in this Bibliography under its author's name.

Copy seen: DGS.

2782. CANADA. GEOLOGICAL SURVEY. Recent mineral discoveries on Windy Arm, Tagish Lake, Yukon, by R. G. McConnell. Ottawa, King's Printer, 1905. 12 p. double map.

Description of the region between Windy Arm and Lake Bennett, its geology, silver ores, and notes on mining development.

Copy seen: DGS.

2783. CANADA. HYDROGRAPHIC AND MAP SERVICE. Charting of Hudson Bay and Strait. (Hydrographic review, 1930. v. 7, no. 2, p. 44-49, plate, sketch chart)

Account of the equipment and program for the 1929 cruise of the Canadian government ship *Acadia*, with notes on previous surveying in the area, and on ice conditions in 1929.

Copy seen: DN-HO.

2784. CANADA. HYDROGRAPHIC AND MAP SERVICE. Hudson Bay and Strait. (*In:* Canada. Dept. of Marine and Fisheries. Annual report, 1929-30 to 1933-34, pub. 1931-1934. v. 63, p. 108-122; no. 14, p. 84-98; v. 65, p. 64-68, 87-101; v. 66, p. 53-56; v. 67, p. 51-54; incl. tables, sketch charts, diagrs.)

Account of the Hudson Bay and Strait surveys, carried out by C.G.S. *Acadia*, from Churchill to the eastern entrance of Hudson Strait, July-Nov. 1929, 1930, 1931, and in Hudson Strait, 1932 and 1933. Contains notes on the ship's company, the season's operations, general health, and ice conditions as noted (with sketch charts).

Tables: Surface and vertical density and temperature of the sea water, and daily meteorological observations, during 1929, 1930 and 1931.

During 1930 and 1931, magnetic work was carried out in the Bay and Strait. No ship was sent into the area in 1932 and 1933, but surveys were conducted by use of motor launch and work of shore parties in Douglas Harbour, on Wales and Charles Islands, 1932, and along the southeastern coast of Baffin Island, 1933.

File seen: DLC.

2785. CANADA. HYDROGRAPHIC AND MAP SERVICE. Mackenzie River pilot (preliminary edition) 1946. Ottawa, 1946. p. l., 24 numb. 1. map. Mimeographed.

Contains sailing directions for the river from Great Slave Lake to Mackenzie Bay, describing (in brief) the shores, lights, buoys, depths, populated places, river mouths, islands, landings, ice conditions and distances.

Copy seen: CaOGB.

2786. CANADA. HYDROGRAPHIC AND MAP SERVICE. Sailing directions for Lake Melville and approaches, coast of Labrador. 1st ed. 1931. Ottawa, King's Printer, 1931. 36 p.

Contains information for the pilot, on anchorages, port facilities, navigational hazards and aids, tides, ice conditions, etc., from Indian Harbour (54°27'N. 57°12'30"W.) into, and including both sides of, Hamilton Inlet and Lake Melville. *Copy seen:* DLC.

2787. CANADA. HYDROGRAPHIC AND MAP SERVICE. Sailing directions for Lake Melville and approaches, coast of Labrador. 2d ed. 1944. Ottawa, King's Printer, 1945. 36 p.

Essentially the same as the 1931 ed., q.v., supplemented with information from *Notices to Mariners*, to, and including No. 110 of 1944.

Copy seen: DLC.

2788. CANADA. HYDROGRAPHIC AND MAP SERVICE. Sailing directions for the Hudson Bay Route from the Atlantic Ocean to Churchill Harbour. 2nd ed. Issued by the Hydrographic and Map Service, Surveys and Engineering Branch, Department of Mines and Resources, Ottawa. Ottawa, J. O. Patenaude, Printer to the King, 1940. xviii, 119 p. incl. tables. front., fold. map. Supersedes *Sailing directions*, 1st ed. 1932, and *Notices to Mariners* (referring to this region) to and including no. 40 of 1940.

Prepared by F. C. G. Smith, this edition deals with "the waters and coasts bordering on the main steamship track from the Atlantic Ocean to Churchill Harbour, . . . and (briefly) the northern portion of the coast of Labrador from Cape Mugford to Cape Chidley, the east coast of Hudson Bay from Hudson Strait to Portland Promontory, and the west coast of Hudson Bay from Repulse Bay to Cape Tatnam, for the guidance of vessels deviating from the principal track recommended in the Sailing directions".

Contents: Caution tables, notes, etc., on charts, lights, signal systems, radio aid. General physical description of the Hudson Bay region: inhabitants, meteorology, tides, ice, magnetic variation and deviation, Hudson Bay Route, navigation. Approaches to Hudson Strait, Labrador coast, Hudson Strait, Hudson Bay, directions.

Appendix: meteorological tables, etc. (for stations on the Labrador and Hudson Bay coasts). *Copy seen:* DLC.

2789. CANADA. HYDROGRAPHIC AND MAP SERVICE. Tide tables for Churchill, Manitoba, June to October, 1928-1933. [Ottawa, 1927-32] 6 no. Mimeographed. *Copy seen:* CaOG.

2790. CANADA. HYDROGRAPHIC AND MAP SERVICE. Tide tables for Nelson, Hudson Bay, June to October, 1924-1933. [Ottawa, 1923-32] 10 no. Mimeographed. *Copy seen:* CaOG.

2791. CANADA. HYDROGRAPHIC AND MAP SERVICE. Tide tables for the Atlantic coast of Canada . . . 1933-1949, including the River and Gulf of St. Lawrence, the Bay of Fundy, Northumberland and Cabot Straits; Hudson Bay; and information on currents. In addition tide tables for New

York and Boston, U.S.A. . . . Ottawa, 1932-1948. 17 v.

Includes from 1933 tides for Churchill on Hudson Bay, and from 1934, for Moosonee on James Bay. Tidal differences are shown throughout for Strait of Belle Isle to Cape Chidley, including Hamilton Inlet, Labrador; for Hudson Strait and Bay and James Bay; also Hudson Strait currents. Beginning 1939, tidal currents are shown for Hamilton Inlet. *Copy seen:* CaOG.

2792. CANADA. INTER-SERVICE TOPOGRAPHICAL SECTION. Hints to northern pilots. [Ottawa, n.d.] 8 numb. 1. Mimeographed. "First edition . . . provisional only."

Contains information for airplane pilots, relative to landing and take-off on snow and ice of rivers and lakes in the Canadian Arctic.

Copy seen: CaMAI.

2793. CANADA. LANDS AND DEVELOPMENT SERVICES BRANCH. Progress in the Northwest Territories. (Western miner, Nov. 1949. v. 22, no. 11, p. 68, 70, 73)

Review of gold and other mining and prospecting, 1948-49, in Mackenzie and Keewatin Districts. *Copy seen:* DGS.

2794. CANADA. LAWS, REGULATIONS. Yukon placer mining act, consolidated for office purposes, 1919, superseding with amendments the consolidation of this act, printed in 1913. Ottawa, J. de L. Taché, printer, 1919. 31 p. *Copy seen:* DLC.

2795. CANADA. METEOROLOGICAL SERVICE. Canadian polar year expeditions. 1932-33. Ottawa, King's Printer, 1939-40. 2 v. v. 1: xvi, 452 p. illus. 46 plates, maps, diagrs.; v. 2: 185 p. illus. 3 plates, diagrs.

Contents: v. 1 pub. 1940. *Meteorology.* Includes (1) sections on the Second International Polar Year, an outline of Canadian participation, personnel, stations, program of work, instrumentation, maintenance and supply problems, by John Patterson.

2. Cape Hopes Advance Station (Un-gava Peninsula) The site, organization and instrumentation of the station is described, and/or illustrated. Hourly values of pressure temperature, humidity, sunshine; wind direction, wind speed (as determined by individual balloon ascents and tabulated for standard

levels up to 14,000 ft.) six-hourly observations of clouds, visibility, and weather; twelve-hourly measurements of precipitation amount and duration, and daily observations of snow depth. Notes on occurrences of optical and other aperiodical phenomena, such as forms of snow crystals, haze, fog, etc., as determined by observations and recording instruments, Aug. 1932-Sept. 1933. Also résumé of these observations by months.

3. Chesterfield Inlet Polar Year Station (Keewatin), by Staurt T. McVeigh (with brief narrative of the expedition to Chesterfield Inlet by Frank T. Davies, p. xiii-xv). The site, organization, and instrumentation of the station is described and/or illustrated. Hourly values of pressure temperature, humidity, sunshine, wind direction, wind speed (as determined by individual pilot balloon ascents and tabulated for standard levels up to 14,000 ft.) and six-hourly observations of cloud, visibility, and weather, twelve-hourly measurements of precipitation amounts and duration, daily ground temperatures at depths of one and four feet; and notes on optical and other aperiodical phenomena such as haze, fog, snow crystal forms, humidity etc., as determined by observations and recording instruments, Aug. 1932-Sept. 1933. Includes (p. 246-57) micro-meteorological observations: hourly values are derived for the temperature difference existing between heights of 30 meters and 1.4 meters, during the period Oct. 1, 1932-July 31, 1933.

4. Coppermine Polar Year Station (67°49'N. 115°5'W.). The site, organization, and instrumentation of station is described and/or illustrated. Hourly values of pressure temperature, humidity, sunshine, wind direction, wind speed (as determined by individual pilot balloon ascents, and tabulated for standard levels up to 14,000 ft.) and six-hourly observations of clouds, visibility, twelve-hourly measurements of precipitation amounts and duration, daily snow depths, and notes on occurrences of optical and other aperiodical phenomena, such as fog, haze, snow crystal structures, etc., as determined by observations and instrumental recordings, Aug. 1932-Sept. 1933. Includes (p. 374-87) micro-meteorological: hourly values of the temperature

difference existing between heights of 30 meters and 1.2 meters tabulated for the period Sept. 13, 1932-Aug. 25, 1933.

v. 2. pub. 1939. *Terrestrial magnetism, earth currents, aurora borealis*. Includes magnetic results, Chesterfield Inlet. The magnetic observatory and its instrumentation are described and illustrated. Methods of applying temperature corrections and reducing data are discussed. Hourly mean values of vertical component, magnetic declination, and daily extremes of terrestrial magnetic elements, extreme hourly ranges of the horizontal force as observed or recorded at Chesterfield Inlet, Sept. 1932-Dec. 1933, also daily observations of horizontal force and declination at three field stations, Baker Lake, Marble Island and Dead Island, during the period of one week during Aug. 1933. Appended is:

Report on auroral heights measurements and observations at Chesterfield Inlet, by B. W. Currie, p. 150-85.

v. 1-2 include also results of observations made at Meanook and Saskatoon.

Copy seen: DLC

2796. CANADA. METEOROLOGICAL SERVICE. Climatic summaries for selected meteorological stations in the Dominion of Canada. Toronto, Can. [1947]-48. 2 v. tables, maps. Vol. 2 by C. C. Boughner and M. K. Thomas.

The stations reporting include one on the British Columbia-Yukon boundary, four in Yukon Territory, fourteen in Northwest Territories, including two on northern Baffin, and one each on Nottingham and Resolution Islands, four in Hudson Bay and two in Hudson Strait, also (in v. 2 only) three stations in Labrador.

Each volume includes indication of number of years' data used and methods of use.

Contents: v. 1 pub. Feb. 1947. Average values of mean and extreme temperature, mean and extreme humidity, sunshine, precipitation.

v. 2 pub. May 1948. Humidity, wind speed and direction. (Includes list of stations with location and local topography; monthly average values of (1) mixing ratio in grains of water vapor per pound of dry air, (2) of mixing ratio in grams of water vapor per kilogram of dry air, (3) for selected stations of relative humidity and dew point temperature with corresponding

values of air temperature and mixing ratio at four fixed hours, extreme values of dew point and corresponding mixing ratio; annual and monthly percentage frequency of winds, monthly average wind speed.

Copy seen: CaMAI; CaON; DLC.

2797. CANADA. METEOROLOGICAL SERVICE. General summaries of hourly weather observations in Canada and Newfoundland, 1944-49. Toronto [1945-50] 6 v. in 11. tables.

Includes in part 1 of the volumes for 1944-49, Yukon Territory (Aishihik, Snag, Teslin, Watson Lake, and Whitehorse); in part 2, 1946-49, Northwest Territories (Fort Good Hope, Fort Providence, Fort Resolution, Fort Smith, Hay River, and Yellowknife) and Labrador (Goose Bay). 1944 lacks the Northwest Territories stations; 1945 includes them in part 1 with the addition of Fort Simpson, Fort Wrigley and Norman Wells; 1944-45 show Goose Bay in part 3; 1946-49 include Churchill, Manitoba in part 1.

Monthly data from airway weather stations, designed to allow comparison of the relative suitability of different flying fields and to determine the average variation of flying conditions along aviation routes.

Total low clouds in tenths of sky covered (by hours).

Number of hours, with various cloud forms, precipitation, obstructions to vision (fogs, smoke, haze, dust, sand or snow); by various visibilities and simultaneous ceilings.

Wind frequency (in hours) by various visibility and ceiling groups.

File seen: CaON; DWB.

2798. CANADA. METEOROLOGICAL SERVICE. Meteorological conditions of selected airports in Canada, Newfoundland and Labrador. Toronto, 1947. 32 l. incl. 29 charts, 1 map. First published as *Meteorological conditions at principal Canadian airfields*, 1944 (11 l. incl. 10 charts), and here completely revised and enlarged.

Contains pictorial charts showing "the salient weather conditions associated with each of the principal wind directions peculiar to the airfield," also the same information in statistical form, with notes on meteorological facilities at each port, including Whitehorse in Yukon Territory, Yellowknife

in Mackenzie District, and Goose Bay, Labrador.

Copy seen: DWB.

2799. CANADA. METEOROLOGICAL SERVICE. Meteorology of the Canadian Arctic. [Ottawa, King's Printer] 1944. 3 p. l., 85 p. incl. charts, tables, diagrs. (Form 9000. Dept of transport, Air services Branch, Meteorological Division). Reproduced from typewritten copy.

A basic work for the climate of Canadian Arctic Islands. Contains data on average and extreme conditions of air temperature, precipitation, wind and storms, fogs, clouds, sunshine and humidity, characterized according to seasons. Climatological tables, p. 22-58, include average temperature and precipitation data for eighteen stations, wind data for ten stations, and list of seventeen stations with data on number of foggy days. Aerology observations taken elsewhere in the arctic regions (due to lack of aerological observations in Canada) have been interpolated, p. 67-85, for the study of the upper atmosphere of the Canadian Arctic. Bibliography (26 items), p. 20-21.

Copy seen: DLC.

2800. CANADA. METEOROLOGICAL SERVICE. Monthly record of meteorological observations . . . Jan. 1916-Aug. 1944. Toronto [1916-1950] 28 v. charts, tables.

A monthly résumé of meteorological observations made at first order stations and for the entire network of meteorological and climatological stations in Canada, Bermuda and Newfoundland. During the years 1916 through 1924, tabulations of two to three daily synoptic observations at selected stations were published either in the regular monthly issues or in annual supplements.

Among the stations reported here, are two on the British Columbia-Yukon boundary, six in Yukon Territory, one at Port Nelson, on Hudson Bay, and Moose Factory on James Bay; beginning 1924, eleven in Mackenzie District, one (Chesterfield) Keewatin District, eight in the Eastern Arctic Islands and two in the Western Arctic Islands.

Contents include (for the stations mentioned) 1. Daily extremes and monthly mean air temperatures.

2. Daily precipitation.

3. Summary of the observations of pressure, temperature, humidity, cloud, visibility and wind, at fixed hours (1:30, 7:30, 13:30, 19:30) at selected stations.

4. Temperature and precipitation summaries. Temperature: mean, difference from average, highest (date) lowest (date) mean daily range. Precipitation: total amount, difference from average, heaviest fall of month, days with .01 or more inches. Number of days with frost, thunderstorms, fog, hail, snow, and depth of snow lying (in inches) at end of month.

5. Total hours of wind. Total mileage of winds. Winds summary. Percentage frequency. (No Arctic Islands stations; three in Yukon, four in Northwest Territories).

Copy seen: CaON; DWB.

2801. CANADA. METEOROLOGICAL SERVICE. Monthly weather review, Toronto, 1877-1915. v. 1-39. From 1916 onwards information previously published in the *Review* appeared in the Meteorological Service's *Monthly record of meteorological observations*, q.v.

A monthly résumé of routine meteorological observations made at first and second order stations, and of temperature and precipitation measurements made at climatological stations within the Dominion of Canada from 1877 to Dec. 1915. The results of non-routine observations made at stations in the Yukon and Northwest Territories appear intermittently.

File seen: DWB.

CANADA. METEOROLOGICAL SERVICE, *see also* Goodbrand, C. G. Report flight from Whitehorse to N. Pole. 1949.

CANADA. METEOROLOGICAL SERVICE, *see also* Jackson, W. E. W. Magnetic observations in Hudson Bay & Straits region. 1913.

CANADA. NATIONAL COMMITTEE FOR COMMUNITY HEALTH STUDIES, *see* Honigman, J. J. Foodways in muskeg community. 1948.

CANADA. NATIONAL COMMITTEE ON COMMUNITY HEALTH SURVEYS, *see* Vivian, R. P., & others. Nutrition & health James Bay Indian. 1948.

CANADA. NATIONAL MUSEUM, *see* Porsild, A. E. Edible roots & berries N. Canada. 1937.

CANADA. NATIONAL RESEARCH COUNCIL, *see* National Research Council of Canada.

2802. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Canada's reindeer. Ottawa, 1940. p. 1, 14 p. illus., sketch map. Process printed.

Contains history of the reindeer experiment in the Mackenzie delta region, description of the Reindeer Station, development of reindeer industry and husbandry.

Copy seen: CaOM.

2803. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Canada's reindeer herd. Ottawa, Northwest Territories Administration, 1938. 9 p. illus. (incl. map)

History of the development of the Canadian government herd, in Mackenzie delta region.

Copy seen: CaOM; DLC.

2804. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Canada's reindeer herds. [Ottawa, 1946] 2 l. Mimeographed.

Summary of the activities of the Canadian government to establish reindeer herding as an industry for the natives, from the Royal Commission's report, 1922 through 1946.

Copy seen: CaOG.

2805. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Canada's reindeer industry. [Ottawa, 1948] 3 l. Mimeographed.

Review of the year's work on the Mackenzie River range.

Copy seen: CaOM.

2806. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. The Mackenzie delta reindeer grazing reserve, 1947. Ottawa [1948?] p. 1, 8 numb. l. Mimeographed.

"The information herewith has been prepared from reports by A. E. Porsild . . . and includes his observations of the reindeer range in 1947." Description of the Mackenzie delta and its vegetation, discussion, of the seasonal ranges and their condition, since reindeer grazing began 1935, with notes on the population of the area.

Copy seen: CaOG.

2807. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. The Northwest Territories, administration-resources-development. Ottawa,

1948. 67 p. incl. plate and double face map. illus. on both sides of both covers. Other editions with slightly different arrangement of the material were published in 1922, 1930, 1933, 1937, 1941, 1943, 1944, 1946.

Contains a summary of general information on government and administration, social services, settlements and trading posts, transportation, communications, climate, aborigines, flora, fauna, geology, mining industry, water-power resources and development, fur industry, reindeer industry, agriculture, general notes on employment and business opportunities, also information concerning the administration of crown lands, timber, grazing and hay.

Appendices: summaries of (1) quartz mining regulations, (2) game regulations, (3) fishing (angling) regulations. Bibliography (72 items).

Copy seen: CaMAI.

2808. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Physical geography of the Canadian Western Arctic. Ottawa, King's Printer, 1948. 11 p. fold. map. (D.B.S. 4-1101P) Reprinted from *The Canada yearbook, 1948-49*.

Contains a succinct statement of the general geology, glaciation, topography, climate and ice conditions, of the region 95°-135°W., and north of the tree line, including arctic islands.

Copy seen: CaO.

2809. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Reindeer in Canada. [Ottawa, 1949] 4 l. Mimeographed.

Record of the year's achievements and mention of establishment of a herd under Eskimo management, in the Mackenzie River range. Similar reports were issued, beginning 1933, under various titles. A complete set is held in office files in the Dept. of Mines and Resources, Ottawa. The departmental library has reports for 1946-1949.

Copy seen: CaOM.

2810. CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. Yukon Territory, a brief description of its history, administration, resources, and development, by W. F. Lothian. Ottawa, 1947. 52 p. double-face map. Other editions with slight changes, or additions were published in 1938, 1943, 1944, 1946.

Brief descriptions of the history, government, social services, towns, communication, tourist attractions, physical features, geology, climate, natives, flora, fauna, industries, and business opportunities.

Appendices: directory of officials, summaries of (1) lands, timber, grazing, (2) mining, (3) game, and (4) sport fishing regulations; with a bibliography (36 items).

Mounted mimeographed amendments, bring information to Feb. 18, 1948.

Copy seen: CaOGB; DF; CaMAI; DLC (1944, 1947).

CANADA. NORTHWEST TERRITORIES COUNCIL, *see* Bethune, W. C. Canada's Eastern Arctic. 1934.

2811. CANADA. PARLIAMENT. HOUSE OF COMMONS. Return to an order of the House of the 14th April, 1924, for a copy of all reports, letters, telegrams, and other documents, during the year 1917, from the resident engineer or any of his staff located at Fort Nelson to the Chief Engineer of the Department of Railways and Canals, or the Deputy Minister or the Minister or any official of the said Department, having reference to the Hudson Bay Railway route and the grain or other harbour facilities . . . Further memoranda; Engineers' reports and correspondence in the Department of Railways and Canals concerning the Hudson Bay Railway route [1918-23] [Ottawa, 1924] 82 p. incl. tables. (Sessional paper no. 234, 234a-1924) The communications were signed for the most part by D. W. McLachlan, Engineer-in-charge.

Contains (in no. 234) information on dredging, depth of channels, construction and repair work, and incidentally on the ice conditions of the harbor; (in no. 234a) data on shipments, traffic, transport costs, facilities, costs of railway and harbor construction, and a few ice-breaker navigation reports for seasons 1913-17, for the Hudson Bay run.

Copy seen: CaO.

2812. CANADA. PARLIAMENT. SENATE. Special Committee on the Navigability and Fishery Resources of Hudson Bay and Strait. Report. Ottawa, King's Printer, 1920. 58 p. Reprinted in 1926, 61 p.

Contains final report of the Committee with extracts of witnesses' testimony on navigation conditions and aids, vessels for the carrying trade, relative merits of Nelson and Churchill as ports, fishing resources, of Hudson Strait and Bay and tributary rivers, mineral resources, reindeer and musk oxen possibilities in Northwest Territories, evidence to show resources warranting an export route by Hudson Bay and Strait. The witnesses included arctic experts such as V. Stefansson, J. B. and J. W. Tyrrell, J. E. Bernier, and others. *Copy seen:* CaMAI; CaO.

CANADA. PARLIAMENT. SENATE. SESSIONS 1887-1888, see Canada. Dept. of the Interior. Great Mackenzie basin. rev. ed. 1908.

2813. CANADA. PRIVY COUNCIL. Forts and trading posts in Labrador Peninsula and adjoining territory. Ottawa, King's Printer, 1926. 67 p.

Brief historic data (to 1923) on posts in northern Quebec, Ontario, and Labrador. *Copy seen:* NNS Stef.

2814. CANADA. ROYAL COMMISSION ON POSSIBILITIES OF REINDEER AND MUSK-OX INDUSTRIES IN THE ARCTIC AND SUB-ARCTIC REGIONS. Report of the Royal Commission appointed by Order in Council of date May 20th 1919, to investigate the possibilities of the reindeer and musk-ox industries in the arctic and sub-arctic regions of Canada. John Gunion Rutherford, Chairman. [Ottawa, 1921?] 3 p. l., 1-31, 55-116 numb. l., and appendices (3 v.) 1-47, 75-546 numb. l. illus., with mounted photos. Mimeographed in a small edition mainly for official use. The *Report* without *Appendices* was published for general use in 1922 (item following).

Contents: Report. (General aspects of the habitat, numbers, domestication, herding, etc. of musk oxen, reindeer and caribou.)

Appendices: No. 1 (3 v.) Evidence from the thirty-five witnesses taken Jan.-May, 1920.

No. 2-14 (bound with report). Statements and memoranda drawn from various sources, concerning reindeer herds in certain regions of North America and in other countries. These include: Reindeer in Alaska; Reindeer and musk-ox Hudson Bay region; Rein-

deer in Labrador; At Fort Smith; Barren Land caribou and musk-ox.

File seen: CaOM.

2815. CANADA. ROYAL COMMISSION ON POSSIBILITIES OF REINDEER AND MUSK-OX INDUSTRIES IN THE ARCTIC AND SUB-ARCTIC REGIONS. Report of the Royal Commission appointed by Order-in-council of date May 20, 1919, to investigate the possibilities of the reindeer and musk ox industries in the arctic and sub-arctic regions of Canada. Ottawa, King's Printer, 1922. 99 p. incl. front, illus., tables. J. G. Rutherford, chairman.

Study of the habitat, characteristics, numbers, conservation, grazing problems, and herding of the caribou, musk oxen, and reindeer in Canada.

Copy seen: DLC.

CANADA. SURVEYOR GENERAL'S OFFICE, see Peck, E. J. Eskimo grammar. 1919, 1931.

2816. CANADA'S ALASKAN DISMEMBERMENT. An analytical examination of the fallacies underlying the tribunal award. Niagara-on-the-Lake, Ont., Printed by C. Thonger, 1904. 76 p.

Contains analysis of the Anglo-Russian treaty, 1825; the formation and proceedings of the Alaska Boundary Commission which handed down its award in 1903.

Copy seen: DLC; NNS Stef.

2817. CANADIAN ARCTIC EXPEDITION, 1913-1918. Report. Ottawa, King's Printer, 1919-1946. 77 nos. in 14 v. (v. 3-16), illus., plates (part col.) maps (part col., part fold.) tables, diagrs.

Results of an expedition for exploration and scientific investigations, sponsored by the government of Canada, under general direction of the Dept. of Naval Service, and under command of Vilhjalmur Stefansson. The northern party led by Stefansson conducted geographic and exploratory work north-eastward from Bering Strait, 1913-18; the southern party under Dr. R. M. Anderson conducted investigations in biology, anthropology, etc., on the mainland and islands in vicinity of Coronation Gulf, 1913-18.

The narrative of the expedition and its work was published as V. Stefansson's *The friendly Arctic*, q.v.

Results were worked up and reports published under supervision of the Arctic Biological Committee appointed 1917, jointly by Canadian Dept. of Naval Service and Dept. of Mines. Results and reports published (or originally projected for publication) are listed below. Each published paper (excepting v. 3, Pt. L) appears in this Bibliography under its author's name; the results not published are so indicated.

Contents: v. 1. STEFANSSON, V. Narrative of the expedition (not published); mss. deposited in the Public Archives of Canada, Ottawa.

v. 2. ANDERSON, R. M. Mammals and birds (not published).

v. 3. *Insects*. Introduction and list of genera and species.

Pt. A. FOLSOM, J. W. Collembola.

Pt. B. BANKS, N. Neuropteroid insects.

Pt. C. *Diptera*. 1. ALEXANDER, C. P. Craneflies. 2. DYER, H. G. Mosquitoes. 3. MALLOCH, J. R. *Diptera*.

Pt. D. *Mallophaga* and *Anoplura*. 1. BAKER, A. W. *Mallophaga*. 2. FERIS, G. F., and G. H. F. NUTTALL. *Anoplura*.

Pt. E. *Coleoptera*. 1. SWAINE, J. M. Forest insects. 2. FALL, H. C. Family Carabidae. 3. LONG, C. W. Family Coccinellidae, Elateridae, Chrysomelidae and Rhynchophora. 4. SHERMAN, J. D., Jr. Family Dytiscidae.

Pt. F. VAN DUZEE, E. P. Hemiptera.

Pt. G. *Hymenoptera* and plant galls. 1. MACGILLIVRAY, A. D. Saw-flies. 2. BRUES, C. T. Parasitic *Hymenoptera*. 3. SLADEN, F. W. L. Wasps and bees. 4. FELT, E. P. Plant galls.

Pt. H. Spiders, mites and myriapods. 1. EMERTON, J. H. Spiders. 2. BANKS, N. Acarina. 3. CHAMBERLIN, R. V. Chilopoda.

Pt. I. GIBSON, A. *Lepidoptera*.

Pt. J. WALKER, W. M. *Orthoptera*.

Pt. K. JOHANSEN, F. Insect life on the western arctic coast of America.

Pt. L. General index (covering v. 3: *Insects*, Pt. A-K).

v. 4. *Botany*.

Pt. A. LOWE, C. W. Freshwater algae and freshwater diatoms.

Pt. B. Marine algae. 1. COLLINS, F. S. Marine algae. 2. LEMOINE, Mme. P. *Mélubiées*.

3. HOWE, M. A. Report on a collection of marine algae made in Hudson Bay.

Pt. C. DEARNESS, J. Fungi.

Pt. D. MERRILL, G. K. Lichens.

Pt. E. WILLIAMS, R. S. Mosses.

Pt. F. MANN, A. Marine diatoms. v. 5. *Botany* (con.)

Pt. A. MACOUN, J. M., and T. HOLM. Vascular plants.

Pt. B. HOLM, T. Contributions to the morphology, synonymy and geographical distribution of arctic plants.

Pt. C. JOHANSEN, F. General observation on the vegetation.

v. 6. *Fishes, tunicates, etc.*

Pt. A. JOHANSEN, F. *Fishes* (not published).

Pt. B. HUNTSMAN, A. G. *Ascidacea*, etc.

v. 7. *Crustacea*.

Pt. A. RATHBUN, M. J. *Decapod crustaceans*.

Pt. B. SCHMITT, W. L. *Schizopod crustaceans*.

Pt. C. CALMAN, W. T. *Cumacea*.

Pt. D. BOONE, P. L. *Isopoda*.

Pt. E. SHOEMAKER, C. R. *Amphipods*.

Pt. F. COLE, L. J. *Pycnogonida*.

Pt. G. JOHANSEN, F. *Euphylllopoda*.

Pt. H. JUDAY, C. *Cladocera*.

Pt. I. SARS, G. O. *Freshwater Ostracoda*.

Pt. J. MARSH, C. D. *Freshwater Copepoda*.

Pt. K. WILLEY, A. *Marine Copepoda*.

Pt. L. WILSON, C. B. *Parasitic Copepoda*.

Pt. M. PILSBRY, H. A. *Cirripedia* (not published).

Pt. N. JOHANSEN, F. *Crustacean life of some arctic lagoons, lakes and ponds*.

v. 8. *Mollusks, echinoderms, coelenterates, etc.*

Pt. A. DALL, W. H. *Mollusks, recent and Pleistocene* (with supplement).

Pt. B. *Cephalopoda* and *Pteropoda*.

1. BERRY, S. S. *Cephalopoda*. 2. DALL, W. H. *Pteropoda*.

Pt. C. CLARK, A. H. *Echinoderms*.

Pt. D. OSBURN, R. C. *Bryozoa*.

Pt. E. HARRING, H. K. *Rotatoria*.

Pt. F. HUNTSMAN, A. G. *Chaetognatha* (not published).

Pt. G. VERRILL, A. E. *Alcyonaria* and *Actinaria*.

Pt. H. BIGELOW, H. B. *Medusae* and *Ctenophora*.

Pt. I. FRASER, C. McL. *Hydroids*.

Pt. J. DENDY, A. and L. M. FREDERICK. Porifera.

v. 9. *Annelids, Parasitic worms, Protozoans, etc.*

Pt. A. Oligochaeta. 1. SMITH, Frank. Lumbriculidae. 2. WELCH, P. S. Enchytraeidae.

Pt. B. CHAMBERLIN, R. V. Polychaeta.

Pt. C. MOORE, J. P. Hirudinea.

Pt. D. CHAMBERLIN, R. V. Gephyrea.

Pt. E. VAN CLEAVE, H. J. Acanthocephala.

Pt. F. COBB, N. A. Nematoda (not published).

Pt. G.-H. COOPER, A. R. Trematoda and Cestoda.

Pt. I. HASSELL, A. Turbellaria (not published).

Pt. J. ASHWORTH, J. H. Polychaeta (supplementary).

Pt. K. CHAMBERLIN, R. V. Nemertini (not published).

Pt. L. MAVOR, J. W. Sporozoa (not published).

Pt. M. CUSHMAN, J. A. Foraminifera.

v. 10. *Tides, etc.*

Pt. A. MANN, A. Plankton (not published).

Pt. B. BAILEY, L. W. Marine diatoms (not published).

Pt. C. DAWSON, W. B. Tidal investigations and results.

v. 11. *Geology and geography.*

Pt. A. O'NEILL, J. J. Geology of the arctic coast of Canada; west of the Kent Peninsula.

Pt. B. CHIPMAN, K. G. and R. G. COX. Geographical notes on the arctic coast of Canada.

v. 12. *Copper Eskimos.*

Pt. A. JENNESS, D. Life of the Copper Eskimos.

Pt. B. JENNESS, D. Physical characteristics of the Copper Eskimos.

Pt. C. CAMERON, JOHN. Osteology of the Western and Central Eskimos.

v. 13. *Eskimo folk-lore.*

Pt. A. JENNESS, D. Myths and traditions from northern Alaska, the Mackenzie delta, and Coronation Gulf.

Pt. B. JENNESS, D. Eskimo string figures.

v. 14. *Eskimo Songs.* ROBERTS, HELEN H. and D. JENNESS. Songs of the Copper Eskimos.

v. 15. *Eskimo language and technology.*

Pt. A. JENNESS, D. Comparative vocabulary of the Western Eskimo dialects.

Pt. B. JENNESS, D. Grammatical notes on some Western dialects.

v. 16. JENNESS, D. Material culture of the Copper Eskimo. "In this volume the series of 'Reports of the Canadian Arctic Expedition' reaches its conclusion. There will be no archaeological paper, as originally planned, describing the Eskimo ruins on Barter Island."-v. 16, p. 2.

Copy seen: DSI-M.

2818. CANADIAN GEOGRAPHICAL JOURNAL. A regional bibliography of articles in the Canadian geographical journal 1930 to 1947. Comp. by J. Lewis Robinson . . . Ottawa [1949] cover-title, 3-13 p. illus.

Supplement 1948, v. 36-37, *pub.* in Canadian geographical journal, May 1949, v. 39, no. 5, p. XII; supplement 1949, in v. 38-39, *pub.* Feb. 1950, v. 40, p. 101.

Copy seen: CaOGB; DA; DGS; DLC.

2819. CANADIAN INSTITUTE OF MINING AND METALLURGY. Structural geology of Canadian ore deposits. A symposium arranged by a committee of the Geology Division, Canadian Institute of Mining and Metallurgy. Montreal, *Pub.* by authority of the Council, 1948. x, 948 p. illus., sketch maps (part fold.) diagrs.

"The purpose of this volume is to assemble up-to-date information regarding those structural features that have controlled the deposition of ore in Canadian metalliferous mines and to direct attention to ways in which the data may be applied both in the development of known ore deposits and in the search for new occurrences of ore."

Contents (over one hundred twenty-five brief papers by one hundred twenty-one contributors) include: Chap. 1. *General papers.*

LANG, A. H. Cordilleran region of western Canada.

GILL, J. E. The Canadian Precambrian Shield.

EBBUTT, F. Relationships of minor structures to gold deposition in Canada.

Chap. 2. *Cordilleran region.* BOSTOCK, H. S. Mayo District, Yukon.

Chap. 3. *Canadian Precambrian Shield.* Pt. 1. *Yellowknife-Great Bear Lake area.*

HENDERSON, J. F. Structural control of ore deposits in the Canadian Shield between Great Slave and Great Bear Lakes.

CAMPBELL, N. West Bay fault.

MURPHY, R. Eldorado mine.

HENDERSON, J. F., and N. H. C. FRASER. Camlaren mine.

DADSON, A. S., and J. D. BATEMAN. Giant Yellowknife mine.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DGS.

CANADIAN JOINT COMMITTEE ON OCEANOGRAPHY, *see* Bailey, W. B., & H. B. Hachey. Increasing Atlantic influence Hudson Bay. 1949.

CANADIAN JOINT COMMITTEE ON OCEANOGRAPHY, *see* Bailey, W. B., & H. B. Hachey. Vertical temperature structure of Labrador Current. 1949.

CANADIAN LIFE INSURANCE OFFICERS ASSOCIATION, *see* Vivian, R. P., & others. Nutrition & health James B. Indian. 1948.

2820. CANADIAN RADIO WAVE PROPAGATION COMMITTEE. Loran reception at Churchill June-July, 1945. Ottawa, 1945. p. 1, 5 l., 6 plates (graphs, diagrs.) (CRWPC. I/P no. 8) Mimeographed.

"This report gives the results of a short program of monitoring on Loran frequencies. The purpose of the program was, (1) to monitor through the eclipse period of 9th July, (2) to investigate the normal reception in northern Canada, of existing Loran stations.

Copy seen: CaMAI.

2821. CANADIAN RADIO WAVE PROPAGATION COMMITTEE. Observers instruction book for Canadian ionospheric stations. [Ottawa] 1946. 3 p. l., 43 l. incl. 18 diagrs. 8 plates (diagrs.) (JCC/WP/IP no. 12) Mimeographed.

"For use by personnel at Canadian Ionospheric Stations [of which one is located at Churchill, Manitoba] and supersedes CRWPC I/P 1."

Contains (1) details on measurement and interpretation of records from both manual and photographic vertical incidence ionosphere equipment; (2) a chapter on the signal strength monitor program, aural and recorder; (3) instructions for making up daily and monthly report sheets and signals.

Copy seen: CaMAI.

2822. CANADIAN RADIO WAVE PROPAGATION COMMITTEE. Sporadic E ionization at Churchill August 1943-July 1946. [Ottawa] 1946. 2 p. l., 11 l. 12 plates (tables, diagrs.) (CRWPC. I/P no. 14) Mimeographed. Prepared by J. H. Meek, Radio Propagation Laboratory, Directorate General of Defense Research.

"A statistical treatment of occurrence of E s, [sporadic reflections in the E region (90-140 km.)] plotted in various ways to show trends with time of day, seasons of the year and top frequency of echoes. Three types of E s are illustrated with reproductions of records, however, no differentiation was made in original tabulations and consequently in the plots of this paper. The occurrence of E s at Churchill is mainly a night time effect and shows some marked trends."—Summary.

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CANADIAN RADIO WAVE PROPAGATION COMMITTEE, *see also* Davies, F. T. Aurora at Churchill, Manitoba 1943-44. 1945.

CANADIAN RADIO WAVE PROPAGATION COMMITTEE, *see also* McKerrow, C. A. Trip on mobile ionospheric observatory. 1949.

CANADIAN SOCIAL SCIENCE RESEARCH COUNCIL, *see* Arctic survey. 1945.

CANADIAN SOCIAL SCIENCE RESEARCH COUNCIL, *see* Dawson, C. A., ed. New North-West. 1947.

2823. CANDELA, P. B. Blood-group determinations upon the bones of thirty Alaskan mummies. (American journal of physical anthropology, 1939. v. 24, p. 361-83, map)

Results of tests made by the author on bone from mummies recovered from burial caves on Aleutian Islands, with a discussion of relevant literature on the blood groups of native tribes of northeast Siberia and North America. Bibliography, p. 382-83.

Copy seen: DLC.

2824. CANE, CLAUDE RICHARD JOHN, 1859-. Summer and fall in western Alaska: the record of a trip to Cook's Inlet after big game. London, H. Cox, 1903. viii, 191, [1] p. 26 plates. Hunting bears, moose and white sheep on the Kenai Peninsula and Cook Inlet region. *Copy seen:* DLC; NNSf.

2825. CANTWELL, JOHN C. A narrative account of the exploration of the Kowak River, Alaska. (*In*: U. S. Revenue-cutter Service. Report of the cruise of the revenue marine steamer Corwin in the Arctic Ocean, 1885, *pub.* 1887. p. 21-52, 14 plates, incl. 1 map)

Contains description of the river course and currents, the game, berries, natives, lakes, and mountains of this (Kobuk) river valley and its environs.

Copy seen: DLC; NNSStef.

2826. CANTWELL, JOHN C. A narrative account of the exploration of the Kowak River, Alaska . . . [and] Ethnological notes. (*In*: U. S. Revenue-cutter Service. Report of the cruise of the revenue marine steamer Corwin in the Arctic Ocean, 1884, *pub.* 1889. p. 47-98, 18 plates)

Contains a journal, July 8-Aug. 30, 1884, of an exploratory trip in a small boat up Hotham Inlet and Kowak (Kobuk) River for almost 400 miles, with notes on the weather, the river valley and contact with the natives. Ethnological notes: seasonal activities, physical appearance, morals, government, diseases, mortuary customs, food, clothing, transportation, weapons and implements, household utensils, adornment, and games, of the North Alaska Eskimos, living along the rivers flowing into Kotzebue Sound through Hotham Inlet.

Copy seen: DLC; NNSStef.

2827. CANTWELL, JOHN C. and H. W. YEMANS. Descriptions of Bogoslov Island and the new volcanoe in Bering Sea. (*In*: U. S. Revenue-cutter Service. Report of the cruise of the revenue marine steamer Corwin in the Arctic Ocean, 1884, *pub.* 1889. p. 37-43, 4 plates)

On the topography, beaches and animal life of Bogoslov Island.

Copy seen: DLC; NNSStef.

CANTWELL, JOHN C., *see also* U. S. Revenue-cutter Service. Report of operations *Nunivak* 1899-1901. 1902.

2828. CAPEN, RUTH GOLDTHWAITE, 1893- , and J. A. LE CLERC. Chemical composition of native Alaskan hays harvested at different periods of growth. (*Journal of agricultural research*, Apr. 1, 1933. v. 46, p. 665-68)

"According to these analyses the feeding values of the native hays decrease rapidly after August, as is

shown by the decrease in protein and the increase in fiber." Bibliography (8 items).

Copy seen: DA.

2829. CAPPS, STEPHEN REID, 1881-1949. An air reconnaissance of Middleton Island, Alaska. (*Journal of geology*, Oct.-Nov. 1933, v. 41, p. 728-736, incl. 2 plates)

Description of the surface rocks and detritus, based on an aerial reconnaissance made during the Alaska Survey Expedition of the U. S. Navy in 1932, for the purpose of investigating the possibility of a Pleistocene ice sheet having extended to the island.

Copy seen: DGS.

2830. CAPPS, STEPHEN REID, 1881-1949. An ancient volcanic eruption in the upper Yukon basin. (*In*: U. S. Geological Survey. Shorter contributions to general geology, 1915. Professional paper, 1916. No. 95, p. 59-64, illus. (map) plate)

Contains a description of the thickness and distribution of volcanic ash in the upper Yukon basin of Alaska and Yukon Territory, and a discussion of the time elapsed since the ash fell; based on the author's observations in 1914, of spruce tree growth in peaty material.

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2831. CAPPS, STEPHEN REID, 1881-1949. The Bonnifield region, Alaska. Washington, U. S. Govt. Print. Off., 1912. 64 p. plates, incl. 2 fold. maps (in pocket) diags. (U. S. Geological Survey. Bulletin 501)

Contains the report of a topographic-geologic investigation, 1910, in the region lying between the Nenana and Delta Rivers, and between the Tanana River and the crest of the Alaska Range (63°30'-64°50'N., 145°40'-149°20'W.) Notes on topography, drainage and routes; description of the stratigraphy, structure, gold placers, lode mining, and coal deposits.

Maps: topographic (63°30'-65°N., 145°20'-149°40'W.), geologic (63°30'-64°20'N., 145°40'-149°20'W.), contour interval 200 ft., scale 1:250,000.

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2832. CAPPS, STEPHEN REID, 1881-1949. The Chisana-White River district, Alaska. Washington, U. S. Govt. Print. Off., 1916. 130 p. illus., 19 plates (part fold., incl. 2 maps) diags. (U. S. Geological Survey. Bulletin 630)

Results of a survey made, 1914, in an irregular area between 61°30'-62°-40'N., 141°-142°50'W. Reports on the drainage (Chisana and White Rivers, Beaver and Skolai Creeks), the relief (Wrangell, St. Elias and Nutzotin Mts.), the routes (river and lake) and trails; on the stratigraphy, structure and economic geology, including gold placers (mines and prospects) and lodes, copper and lignite occurrence.

Maps: geologic and topographic, contour interval 200 ft., scale 1:250,000.

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2833. CAPPS, STEPHEN REID, 1881-1949. An estimate of the age of the last great glaciation in Alaska. (Washington Academy of Sciences. Journal, 1915. v. 5, p. 108-115)

A study of tree growth and the surface soil on the bank of White River in the Wrangell Mts. area just below Russell Glacier, to determine the time elapsed since the glacier retreated to its present position. *Copy seen:* DLC.

2834. CAPPS, STEPHEN REID, 1881-1949. Geology of the Alaska Railroad region. Washington, U. S. Govt. Print. Off., 1940. vi, 201 p. incl. illus. (map) tables. front., 9 plates (incl. 3 fold. maps) (U. S. Geological Survey. Bulletin no. 907)

A report which brings together in condensed form and with a list of references, the knowledge of the geology of the region, extending from Seward to Fairbanks, as studied by the U. S. Geological Survey, 1895-1936. Descriptions of the geography (including routes of travel), the stratigraphy, structure and geologic history of the Kenai-Chugach Mts., Talkeetna region, Alaska Range, and Yukon-Tanana region; the past and present glaciation, and economic geology, principally gold, copper, coal, and (in brief) silver, antimony, and tungsten.

Maps: geologic maps of the Alaska Railroad area (1) Seward to Matanuska coal field (2) Matanuska coal field to Yanert Fork, and (3) Yanert Fork to Fairbanks (contour interval 200 ft., scale 1:250,000). Included in map (1) is the western part of Prince William Sound, and Cook Inlet's Turnagain and Knik Arms; (1-3) show entire courses of Susitna, Chulitna, Talkeetna, Matanuska, Nenana, and portions of Kantishna, Tanana, and Yukon Rivers.

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2835. CAPPS, STEPHEN REID, 1881-1949. Glaciation in Alaska. (In: U. S. Geological Survey. Shorter contributions to general geology, 1931. Professional paper, 1932. No. 170, p. 1-8, illus., 2 fold. maps)

Contents: Existing glaciers; former glacial advances; evidence of Wisconsin age of last great ice advance; summary of known facts concerning pre-Wisconsin glaciation in Alaska.

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2836. CAPPS, STEPHEN REID, 1881-1949. Glaciation of the Alaska Range. (Journal of geology, July-Aug. 1912. v. 20, p. 415-37, illus., fold. map)

Contains remarks on distribution of existing glaciers (with map) the influence of glaciers on their valleys, evidence of earlier glaciers, and descriptions of existing glaciers in the basins of the Susitna (including Yentna and Chulitna) the Copper, Tanana and Kuskokwim Rivers.

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2837. CAPPS, STEPHEN REID, 1881-1949. Glaciation of the north side of the Wrangell Mountains, Alaska. (Journal of geology, Jan.-Feb. 1910. v. 18, p. 33-57, illus.)

Description of glaciers, with notes on past glaciation, of the valleys of the Copper, Nabesna, Chisana, and White Rivers, and Skolai Creek, all of which glaciers, head in the Wrangell, St. Elias, or Nutzotin Mts.

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2838. CAPPS, STEPHEN REID, 1881-1949. The Kantishna region, Alaska. Washington, U. S. Govt. Print. Off., 1919. 116 p. illus., 17 plates (part fold., incl. 2 maps in pocket) diags. (U. S. Geological Survey. Bulletin 687)

Report on a topographic and geologic survey, 1915, in the area lying between 63°25'-65°N. 149°-151°10'W. Descriptions of the natural history (Mt. McKinley National Park), of drainage (Nenana, Kantishna, Toklat and Bearpaw Rivers) relief, routes, etc., stratigraphy and structure (with a section on soil flow which accompanies permafrost in this area). History of the mining of gold and antimony, and occurrence of lignite.

Maps: reconnaissance geologic and topographic, contour interval 200 ft., scale 1:250,000.

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2839. CAPPS, STEPHEN REID, 1881-1949. Mount McKinley, a new national park. (Travel, May 1917. v. 29, no. 1, p. 7-12, 49-51, illus.)

Description of the region on the north flank of the Alaska Range near Mt. McKinley, explored by the author with a U. S. Geological Survey party in summer 1916; notes on the game and physical features. *Copy seen:* DLC.

2840. CAPPS, STEPHEN REID, 1881-1949. Notes on the geology of the Alaska Peninsula and Aleutian Islands. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1932. Bulletin, 1934. No. 857, p. 141-53, map)

Report on observations made by the geologist who accompanied the U.S.S. *Gannet* on a hydrographic reconnaissance, describing the geography, rocks, and glaciation of Unalaska, Atka, Adak, Kiska and Attu Islands, and of the Cold Bay and Lenard Harbor, Dolgoi Island and Pavlof Bay areas of Alaska Peninsula. *Copy seen:* DGS.

2841. CAPPS, STEPHEN REID, 1881-1949. Rock glaciers in Alaska. (Journal of geology, May-June, 1910. v. 18, p. 359-75).

Description of the glaciers in the Nizina map quadrangle area (center 61°-20'N, 143°40'W.) just east of Kennicott Glacier. *Copy seen:* DGS.

2842. CAPPS, STEPHEN REID, 1881-1949. Some ellipsoidal lavas on Prince William Sound, Alaska. (Journal of geology, Jan.-Feb. 1915. v. 23, p. 45-51)

Results of the author's investigations, 1912, a presentation of certain facts concerning the subaqueous formation of the lavas near Ellamar, Alaska.

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2843. CAPPS, STEPHEN REID, 1881-1949. The southern Alaska Range. Washington, U. S. Govt. Print. Off., 1935. iv, 101 p. 8 plates incl. 3 fold. maps. (U. S. Geological Survey. Bulletin 862)

Results of geologic and topographic surveys in 1926-27, 1929, and data from earlier work, in the area that lies between Skwentna River and Rainy Pass on the north, and Iliamna Lake and Bay on the south. Includes notes on drainage, glaciers, relief, climate, timber (with map) routes of travel, etc.; description of the rocks, the glacial

epoch and existing glaciers, and discussion of copper, gold, and coal occurrence.

Maps: geologic map of (1) Mount Spurr region (60°20'-62°N., 150°30'-153°30'W.); (2) Lake Clark-Mulchatna River region (59°35'-61°40'N., 153°20'-156°W.); contour interval 200 ft., scale 1:250,000.

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2844. CAPPS, STEPHEN REID, 1881-1949. Two glacial stages in Alaska. (Journal of geology, Nov.-Dec. 1915. v. 23, p. 748-56)

Based on observations made during a geologic reconnaissance trip into the White River basin, 1914. Description and discussion of glacial till, which proves two distinct glacial stages to have occurred in the territory.

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2845. CAPPS, STEPHEN REID, 1881-1949. The Willow Creek district, Alaska. Washington, U. S. Govt. Print. Off., 1915. 86 p. illus., 15 plates (part fold.) 3 fold. maps (2 in pocket) diagrs. (U. S. Geological Survey. Bulletin 607)

Report on geologic and topographic field work, 1913, in the southwest corner of the Talkeetna Mts. Descriptions of the geography, sedimentary and igneous rocks, and the gold deposits.

Maps: (1) topographic, and (2) geologic maps of Willow Creek district (contour interval 100 ft., scale 1:62,500).

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2846. CAPPS, STEPHEN REID, 1881-1949. The Yentna district, Alaska. Washington, U. S. Govt. Print. Off., 1913. 75 p. illus. (maps, diagrs.) 13 plates (part fold.) 3 maps (2 fold. in pocket). (U. S. Geological Survey. Bulletin 534)

Contains the results of a geological investigation, 1911, in the triangle lying between the Yentna River, the Susitna lowland, and the southeast base of the Alaska Range, to discover the conditions, origin and extension of gold occurrence. Description of topography, stratigraphy, past and present glaciation, and placer gold occurrence and mining.

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2847. CAPPS, STEPHEN REID, 1881-1949, and B. L. JOHNSON. The Ellamar district, Alaska. Washington, U. S. Govt. Print. Off., 1915. 125 p. illus., 10 plates incl. 2 fold. maps (in pocket). (U. S. Geological Survey. Bulletin 605)

Report of a geologic and topographic study of the area (60°52'–58°N. 146°29'–51°W.) lying at the northeast border of Prince William Sound. Descriptions of topography, stratigraphy, and structure; the distribution, character, and origin of the ore deposits, and (in detail) the copper mines and prospects, with mention of gold occurrence.

Maps: geologic and topographic, contour interval 100 ft., scale 1:62,500 (showing Bligh Island).

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2848. CAPPS, STEPHEN REID, 1881–1949, and J. B. MERTIE. Geology of the upper Matanuska Valley, Alaska, by Stephen R. Capps. With a section on the igneous rocks, by J. B. Mertie. Washington, U. S. Govt. Print. Off., 1927. v, 92 p. incl. illus., tables, diags. 16 plates (part fold., incl. 2 maps, plan, diagr.). (U. S. Geological Survey. Bulletin 791)

Contains the results of the author's field investigations in 1924, supplemented by information from published and unpublished reports of others, on the area in the upper Matanuska valley between Chickaloon River and Hicks Creek. Notes on the geography and trails; description of stratigraphy and structure, areal distribution, character and mining conditions of the coal.

Maps: Upper Matanuska valley, Alaska (showing part of Chickaloon River) geologic and topographic, contour interval 50 ft., scale 1:62,500.

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CAPPS, STEPHEN REID, 1881–1949, *see also* Moffit, F. H., & others. Mineral resources of Nabesna-White River district. 1910.

CAPPS, STEPHEN REID, 1881–1949, *see also* Moffit, F. H., & S. R. Capps. Geology & mineral resources Nizina district. 1911.

CAPTAIN AND MRS. ALF TROLLE'S LEGACY IN MEMORY OF THE DAN-MARK EXPEDITION, 1906–1908, *see* Kaptajn Alf Trolle og Hustrus Legat til Minde om Danmark-ekspeditionen 1906–1908.

CARDOT, JULES, 1860–, and others. Cryptogamic botany. 1904, *see* Harriman Alaska Expedition, 1899. Harriman Alaska series, v. 5.

2849. CARDOT, JULES, 1860–, and I. THÉRIOT. The Mosses of Alaska.

Papers from the Harriman Alaska Expedition. XXIX. (Washington Academy of Sciences. Proceedings, July, 1902. v. 4, p. 293–372, 11 plates) Reprinted, 1904, in Cardot, J., and others. Cryptogamic botany. Harriman Alaska series. v. 5, p. 251–328.

List, with synonymy and localities, of two hundred eighty (including, with Latin descriptions, twenty-nine new) species, brought back by the Harriman Expedition, and previously reported.

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2850. CARDOT, JULES, 1860–, and I. THÉRIOT. On a small collection of mosses from Alaska. (California. University. Publications in botany, 1906. v. 2, p. 297–308, 2 plates)

Collections of the University of California Botanical Expedition to Alaska, 1899, which visited Unalaska Island, Cape Nome and St. Michael. *List*, with localities, of sixty-three (including with descriptions, four new) species, of which six are new to Alaska.

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2851. CARFORT, R. de. Jan Mayen. Renseignements. (France. Service hydrographique. Annales hydrographiques, 1893. Sér. 2, t. 15, p. 21–26) *Title tr.:* Jan Mayen. Information.

Sailing directions for approach and anchorages, from intelligence of the cruise of *La Manche*, 1892. Translation in German appeared in *Annalen der Hydrographie u. maritimen Meteorologie*, 1893. Jahrg. 21, p. 369–79.

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2852. CARFORT, R. de. Observations de marée en Islande et au Spitzberg. (In: Voyage de "La Manche" à l'île Jan Mayen et au Spitzberg (juillet-août 1892) *pub.* 1894. p. 52–63, incl. tables, 3 double-face diags.) *Title tr.:* Tidal observations in Iceland and Spitsbergen.

Contains tables for Recherche Bay, Aug. 1–4 and 12–15, and for Skans Bay, Aug. 6–8.

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2853. CARFORT, R. de. Observations météorologiques. (In: Voyage de "La Manche" à l'île Jan Mayen et au Spitzberg (juillet-août 1892) *pub.* 1894. p. 64–115, incl. 44 p. of tables and diags., 3 double-face charts) *Title tr.:* Meteorological observations.

Contains a brief statement explaining the tables and mentioning the instruments used during the cruise July 20–

Aug. 19, 1892, from Tromsø, Norway, via Jan Mayen to West Spitsbergen, in Recherche, Advent, and Skans Bays, and across the Greenland Sea to Norway. Tables of bi-hourly observations of wind direction and force, atmospheric pressure, air temperature, humidity, hours of rain, snow, amount and form of clouds, sea-surface temperature and fog, density, and color of sea water (with deep-water temperature for the three bays); reproductions of barograph, thermometer and hygrometer records. *Charts*: Surface isotherms (August) for Greenland Sea; color of sea water along the route.

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2854. CARFORT, R. de. Spitzberg. (France. Service hydrographique. Annales hydrographiques, 1893. Sér. 2, t. 15, p. 27-36). *Title tr.*: Spitsbergen.

Sailing directions for approach to West Spitsbergen and for Bell Sound and Ice Fiord, derived from intelligence of the cruise of *La Manche*, 1892. Translation in German appeared in *Annalen der Hydrographie u. maritimen Meteorologie*, 1893. Jahrg. 21, p. 369-79.

Copy seen: DLC.

2855. CARFORT, R. de. Températures et densités à la surface dans la Mer du Groenland. (France. Service hydrographique. Annales hydrographiques, 1893. Sér. 2, t. 15, p. 37-42, incl. tables) *Title tr.*: Surface temperature and density of Greenland Sea.

Brief note on instruments and tables of observations made from the *La Manche* on intermittent days Apr.-Aug. 1892, between Iceland, Jan Mayen and West Spitsbergen. *Copy seen*: DLC.

2856. CARFORT, R. de. Travaux hydrographiques et observations divers des officiers de *La Manche*. (In: Voyage de "La Manche" à l'île Jan Mayen et au Spitzberg (juillet-août 1892) *pub.* 1894. p. 45-49, sketch map, 4 double-face charts) *Title tr.*: Hydrographic observations made by the officers of *La Manche*.

Brief summary of the surveying, sounding and investigation of glacier fronts, carried out on West Spitsbergen in Recherche Bay, Advent Bay, Skans Bay, Ice Fiord, and on Prince Charles Foreland.

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2857. CARFORT, R. de, and G. LAN-
CELIN. Études sur la mouvement des

glaciers dans la Baie de la Recherche. (In: Voyage de "La Manche" à l'île Jan Mayen et au Spitzberg (juillet-août 1892) *pub.* 1894. p. 116-24, illus., double-face map) *Title tr.*: Study of glacier movement in Recherche Bay.

Contains remarks on the differences observed, from the record of the *La Recherche* party in 1838, and an account of measurements of movement (by use of stakes) over a twelve-day interval, with description of the front of Renard Glacier.

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2858. CARL STÖRMER, ÜBER EINIGE resultate der photogrammetrischen Messungen der Höhe der Nordlichter zu Bossekop im Februar und März 1910. (Meteorologische Zeitschrift, Nov. 1911. Bd. 28, p. 487-88) *Title tr.*: Carl Störmer on some results of photographic measurements of the aurora at Bossekop in February and March 1910.

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2859. CARLGREN, OSKAR HENRIK, 1865-. Actiniaria. Kristiania, A. W. Brøgger, 1913. (Norske videnskaps-akademi Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 4, (no. 31))

Contains notes with synonymy, measurements and locations, of specimens of four species of sea anemones, etc. taken from Jones Sound.

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2860. CARLGREN, OSKAR HENRIK, 1865-. Actiniaria, part I. Copenhagen, B. Luno, 1921. 2 p. l., 241 p. illus., 4 plates. (Ingolf-Expedition, 1895-1896. [Reports] v. 5, pt. 9)

Based on collections made from the cruiser *Ingolf* during the German expedition in arctic seas 1898, and on museum specimens from northern European museums. Includes all families occurring in arctic and northern waters, except "the old family Sagartiidae." Special attention is given to the size and distribution of the nematocysts and spirocysts. Classified list (with descriptions, synonyms, diagnoses, occurrence in northern and arctic waters, and other notes) of sixty-nine (including twenty-eight new) species of sea anemones.

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2861. CARLGREN, OSKAR HENRIK, 1865-. Actiniaria, part II. Copenhagen, B. Luno, 1942. 92 p. illus. (incl. 11 sketch charts) 6 plates. (Ingolf-ex-

pedition, 1895-1896. [Reports] v. 5, pt. 12)

Similar in plan to the author's *Actiniaria, part 1*, 1921, q.v., this paper includes also forms of sub-tribe Acontinaria, which occur in the same areas. It contains description of forty-four (including eight new) species and one new genus; discussion of distribution of the species; contributions to the anatomy, genealogy, and classification of the Actiniaria, a bibliography (256 items) and an index to part 1-2.

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2862. CARLGREN, OSKAR HENRIK, 1865-. *Actiniaria and Zoantharia of the Denmark Expedition. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 19. (Meddelelser om Grønland, 1917. Bd. 43, p. 505-507)*

List, with localities, of four sea anemones and one zoanth, from the waters in the Danmark Havn region of Dove Bay, East Greenland.

Copy seen: DLC.

2863. CARLGREN, OSKAR HENRIK, 1865-. *Die Actiniarien. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S.M.S. "Olga." IV. (Wissenschaftliche Meeresuntersuchungen, 1902. Neue Folge, Bd. 5, Abt. Helgoland, p. 31-56, illus., plate) Title tr.: The actinarians. Zoological results of a research expedition (etc.) to Bear Island and West Spitzbergen in the summer of 1898 on S.M.S. "Olga." IV.*

Contains an anatomical and taxonomic treatment of the eight species of sea anemones, collected on the voyage, with a list arranged by station number, giving position, depth, and type of bottom, and a bibliography.

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2864. CARLGREN, OSKAR HENRIK, 1865-. *Ceriantharia. Copenhagen. B. Luno. 1912. 2 p. l., 76, [2] p. illus., 5 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 3)*

Deals with the small collection of these coelenterates brought home by the cruiser *Ingolf*, and northern species from several museum collections. Contains discussion of the literature and geographic distribution; list with descriptions, of six (including three new) species and one larval form, only one

of which occurs in European arctic waters; classification, and a section on morphology of the group; bibliography (62 items).

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2865. CARLGREN, OSKAR HENRIK, 1865-. *Die Ceriantharien, Zoantharien und Actiniarien des arktischen Gebietes. (In: Fauna arctica, 1932. Bd. 6, p. 253-66) Title tr.: Ceriantharia, Zoantharia and Actiniaria of the arctic region.*

Contains a list, with synonymy, references, distribution, and some descriptive notes, of fifty-eight species of sea anemones from circumpolar seas; a station list for those collected by the German Expedition to the Arctic Ocean, 1898, giving positions and depths; and a bibliography (10 items).

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2866. CARLGREN, OSKAR HENRIK, 1865-. *Ceriantharier, zoantharier och actiniarier. (In: Conspectus faunae groenlandicae, 3. del, nr. 24. Pub. in: Meddelelser om Grønland, 1928. 23. hefte, suppl., p. 251-308)*

List, with synonymy, references to literature and localities, of fifty-five (including four new) species of coelenterates from Greenland waters; with descriptions of the new species; bibliography, p. 303-308. *Copy seen:* DLC.

2867. CARLGREN, OSKAR HENRIK, 1865-. *The Godthaab expedition 1928. Zoantharia and Actiniaria. København, C. A. Reitzel, 1933. 55 p. incl. illus., maps tables. (Meddelelser om Grønland. Bd. 79, nr. 8)*

List, with synonymy, localities, and remarks, of twenty (including one new) species of corals, sea anemones, etc., collected in the waters west of Greenland; also discussion and tables of distributions and zoogeographical relations, and list of stations. Bibliography, p. 54-55. *Copy seen:* DLC.

2868. CARLGREN, OSKAR HENRIK, 1865-. *Some Actinaria from Bering Sea and arctic waters. (Washington Academy of Sciences. Journal, Aug. 1934. v. 24, p. 348-53, illus.)*

Results of an examination of a small collection in the U. S. National Museum, taken by R. A. Bartlett during several years, to which were added some specimens from the Swedish expedition to Kamchatka and the Aleutian Islands, 1920-22. Author gives an annotated list,

with localities and some descriptions, of thirteen (including one new) species of coelenterates from waters off western and northern Alaska, Greenland, Labrador, Canadian Arctic Islands, Franz Josef Land, and Kamchatka.

Copy seen: DSI-M.

2869. CARLGREN, OSKAR HENRIK, 1865- . Studien über nordische Actinien. Stockholm, P. A. Norstedt, 1893. 148 p. illus., 10 plates. (Svenska vetenskapsakademien, Handlingar. [Ny följd], bd. 25, no. 10) *Title tr.:* Studies on northern Actiniaria.

List, with synonymy, localities and descriptions, of sea anemones from the waters of Sweden, Norway and two from Svalbard; bibliography, p. 139-44.

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2870. CARLGREN, OSKAR HENRIK, 1865- . Zoantharia. Copenhagen, B. Luno, 1913. 2 p. l., 63 p. illus., 7 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 4)

Based on small collection made by the cruiser *Ingolf* and on northern and arctic specimens from several museums, this paper contains (1) literature and summary; (2) contribution to the systematic classification of Zoantharia; and (3) a list, with synonyms, references, occurrences, and descriptions of twenty-two (including twelve new) species of corals and sea anemones; bibliography (27 items).

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2871. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Iakttagelserna under svensk-ryska gradmätningen på Spetsbergen. (Ymer, 1902, Årg. 22, p. 538-41) *Title tr.:* Observations during the Swedish-Russian Expedition for Measurement of an Arc of Meridian on Spitsbergen.

Discussion of scientific work done and of the forthcoming scientific report.

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2872. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Nordenskiöldsk-reliker. (Ymer, 1930, Årg. 50, p. 58-66, illus.) *Title tr.:* Nordenskiöld relics.

Discussion of a proposed Nordenskiöld museum.

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2873. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Observations faites au cap Thorsden, Spitzberg, par l'expédition suédoise. Aurores boréales.

Stockholm, 1886. 2 p. l., 409 p. illus., 30 plates, tables. (International Polar Year. 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden, Spitzberg. T. 20) *Title tr.:* Observations made at Cape Thorsden, Spitsbergen, by the Swedish Expedition. Aurora borealis.

The station was located at 78°20'N. 15°E. on West Spitsbergen. Author gives full description and discussion of the methods and results; a journal of observations, Aug. 23, 1882 to Mar. 8, 1883; and descriptive tables of form, distribution of light, and position of the auroras.

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2874. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Observations faites au cap Thorsden, Spitzberg, par l'expédition suédoise. Phénomènes optiques de l'atmosphère avec quelques remarques sur les étoiles filantes, le spectre des copépodes, l'accroissement des brins d'orge. Stockholm, 1887. p. l., 20 p. (International Polar Year. 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden. T. 23) *Title tr.:* Observations made at Cape Thorsden, Spitsbergen, by the Swedish Expedition. Optical phenomena of the atmosphere, with some remarks on meteors, luminescence of copepods, and the sprouting of barley.

Contents tr.: I. Optical phenomena of the atmosphere. Pte. 1. Absorption, diffusion and polarization phenomena. Pte. 2. Refraction, reflection and interference phenomena. II. Meteors (shooting stars). III. Luminescence of crustaceans, apparently of the order Copepoda. IV. Observations on sprouting of barley and oats, and on the chemical action of the sun, determined with a heliometer.

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2875. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938, editor. Observations marégraphiques faites dans la baie de Treurenberg, Spitzberg en 1899 et en 1900. Stockholm, 1905. 2 p. l., 57, [2] p. incl. tables, illus., fold. diagrs. (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1902. Mission suédoise. T. 1, sect. 5.) *Title tr.:* Tidal observations made at Treurenberg Bay, Spitsbergen, 1899 and 1900.

Contains description of instrumentation and methods for observing tides; a chapter on separation of different

tidal waves (harmonic constants); and results of determination of mean sea level. The sea level determinations, made by the Swedish Expedition to Measure an Arc of Meridian in Spitsbergen, were for the special use of the geodesists, in reducing their geodetic base.

Appendices: 1. Tidal observations at Treurenberg Bay (Sorgfjorden). Half-hourly maremetric readings, Aug. 23-28, 1899; and hourly maregraph observations, Mar. 28-July 12, 1900. 2. Tidal observations at Port Virgo, Fairhaven, 1897, during Andrée's second voyage, with harmonic constants.

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2876. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Om premier-lieutenant C. Ryders iagttagelser over nordlyset i Upenovik, vinteren 1886-1887. (Meddelelser om Grønland, 1889. 28. hefte, p. 289-95) *Title tr.:* On Lieutenant C. Ryder's aurora observations in Upenovik during the winter 1886-87.

Supplements Ryder, C. H. *Under-søgelse af Grønlands vestkyst fra 72° til 74°35'N. Br.*, 1889, q.v. Aurora journal, Oct. 19, 1886-Feb. 1887, kept by C. H. Ryder at Upenovik during the Danish Expedition to the West Coast of Greenland, with summary of observations. Summary in French at end of volume.

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2877. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Svenska grad-mättnings expeditionens fysikaliska meteorologiska och naturhistoriska arbeten. (Ymer, 1907, pub. 1908. Årg. 27, p. 375-407) *Title tr.:* Work in the physical, meteorological and natural sciences done by the Swedish Expedition for the Measurement of an Arc of the Meridian.

Discussion of the scientific investigations made and of the forthcoming scientific reports.

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2878. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 1. Déterminations du temps et d'une longitude fondamentale. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1899. Årg. 56, p. 631-52) *Title tr.:* Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc

of the Meridian. No. 1. Determination of time and a fundamental longitude.

Discussion and tables of observations made on the voyage and on West Spitsbergen.

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2879. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 2. Geologiska anteckningar. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1899. Årg. 56, p. 887-90) *Title tr.:* Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc of the Meridian. No. 2. Geological notes.

Discussion of stratigraphic geology of the Spitsbergen archipelago as observed on the preliminary Swedish expedition, 1898.

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2880. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 3. Détermination des éléments magnétiques. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1899. Årg. 56, p. 901-919) *Title tr.:* Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc of the Meridian. No. 3. Determination of magnetic elements.

Discussion and tables of observations made on the Spitsbergen archipelago during the preliminary Swedish expedition, 1898.

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2881. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 4. Déterminations de latitudes et de longitudes. Stockholm, P. A. Norstedt, 1900. 54 p. (Svenska vetenskapsakademien. Handlingar. Bihang, bd. 26, afd. 2, no. 4) *Title tr.:* Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc of the Meridian. No. 4. Determinations of latitudes and longitudes.

Astronomical determinations of places made in various parts of West Spitsbergen June-Aug., 1898.

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2882. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 5. Meteorologiska observation-

er. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1900. Årg. 57, p. 455-97, tables) *Title tr.*: Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc of the Meridian. No. 5. Meteorological observations.

Tables of results of observations made in the Greenland Sea and the Spitsbergen waters June-Sept., 1898, during the preliminary Swedish expedition. *Copy seen:* DLC.

2883. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Travaux de l'Expédition suédoise au Spitzberg en 1898 pour la mesure d'un arc du méridien. No. 6. Iakttagelser på tidvattnet. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1900. Årg. 57, p. 499-515) *Title tr.*: Reports of the Swedish Expedition to Spitsbergen, 1898, for the Measurement of an Arc of the Meridian. No. 6. Tidal observations.

Results of observations made July-Sept., 1898 in the Svalbard waters, especially in Hinlopen Strait.

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2884. CARLHEIM-GYLLENSKÖLD, VILHELM, 1859-1938. Uppmätning af en meridiangraddbåge på Spetsbergen genom en svensk-rysk expedition. (Ymer, 1900. Årg. 20, p. 209-227, plate, map) *Title tr.*: Measurement of a meridian arc on Spitsbergen by a Swedish-Russian expedition.

Account of the Swedish section of the Swedish-Russian Expedition for the Measurement of an Arc of the Meridian, 1898-1902, and of the scientific investigations made in 1899, from headquarters at Treurenberg Bay, West Spitsbergen; also plans for the year 1900.

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CARLSON, Capt. ELLING, see Petermann, A. Aufenthalt und Überwinterung d. Hollandischen Expedition. 1872.

2885. CARLSON, LELAND H. Nome: from mining camp to civilized community. (Pacific Northwest quarterly, July, 1947. v. 38, p. 233-42)

Contains a description of Nome, Alaska, as it developed in 1899 following the discovery of gold the previous year. Includes discussion of problems of food, shelter, and health.

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2886. CARLSON, WILLIAM SAMUEL, 1905- . Greenland lies north. New York, Macmillan Co., 1940. 6 p. l., 306 p. illus. (3 maps) 8 plates, incl. ports.

Narrative, in journal form, of the Michigan University West Greenland Expedition, 1930-31, during which the author and Max Demorest carried out meteorological observations from a station in Upernavik Fiord. Includes details of Eskimo life, sledging trips, ice conditions in the fiord, and weather conditions.

Copy seen: DLC; NNSf.

2887. CARLSON, WILLIAM SAMUEL, 1905- . Report of the northern division of the Fourth University of Michigan Greenland Expedition, 1930-31, William H. Hobbs, director. A. Aerology and meteorology. B. Geology and glaciology. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1941. Pt. 2, p. 61-156, 8 plates, tables)

Also issued as author's Ph.D. thesis to Univ. of Michigan, 1938. Report based on eight months' work near the inland ice at Upernavik, West Greenland.

Contents include: A. Aerological results: Free-air wind directions, velocities and frequencies. Surface meteorology. Storms. B. Geology and glaciology: North of Upernavik Icefjord (Kagserssuak's Land, Tasiussak Bay and islands, Gieseeke Glacier and fjord, Sugar Loaf Bay, Inugsulik Bay, valley glacier on Kaersorssuak). Upernavik Glacier. *Copy seen:* DLC.

CARLSON, WILLIAM SAMUEL, 1905- , see also Kallquist, C. R., & others. Direction & velocity wind Mt. Evans, 1927-29. 1931.

CARLSON, WILLIAM SAMUEL, 1905- , see also Kallquist, C. R., & others. Heights (etc.) pilot-balloons 1927-29. 1931.

CARLSSON, CARL GUSTAV WIKTOR, 1893- , see Lundqvist, M. Norrland. 1942.

2888. CARMICHAEL, D. M. Boats and sailing conditions in Umanak Fjord and the Vaigat. (Geographical journal, Dec. 1939. v. 94, p. 479-84, plate, sketch map)

Discussion of the winds, state of the sea, ice, harbors and anchorages in the

two bodies of water surrounding Nugsuaq Peninsula, the boats used by the Greenlanders, and the motor boats best adapted to the conditions described.

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2889. CARMICHAEL, D. M. Psychology and ethnology. Cambridge Expedition to West Greenland, 1938. Appendix. (Geographical journal, Nov. 1939. v. 94, p. 398-401)

Results of work carried out in July-Aug. at Igdlorssuit, Ubekendt Island, and in Sept.-Oct. at Umának. Account (in brief) of the psychological investigations in group-contacts, social psychology and individual tests of the natives, with notes on ethnological and anthropological work accomplished.

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2890. CARMICHAEL, HUGH. The aurora. (Polar record, Jan. 1943. v. 4, p. 12-16, illus.)

Based mainly on E. W. Hewsons' *A survey of the facts and the theories of the aurora*, 1937, q.v. Discussion of geographical distribution, height, spectrum, and suggested causes.

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2891. CARMICHAEL, HUGH, and E. G. DYMOND. High altitude cosmic radiation measurements near the north geomagnetic pole. (Royal Society of London. Proceedings, June 1939. Ser. A, v. 171, p. 321-44, illus., plate, diags.)

Contains description of the apparatus and discussion of the results of measurements of (1) the vertical intensity, carried out by E. G. Dymond, and (2) the ionization, carried out by H. Carmichael, on the J. M. Wordie Expedition to North-West Greenland and the Canadian Arctic, 1937. *Copy seen:* DLC.

2892. CARMICHAEL, HUGH, and E. G. DYMOND. Upper air investigations in North-West Greenland. (Royal Society of London. Proceedings, June 1939. Ser. A, v. 171, p. 345-59, diags.)

Results of observations made during the J. M. Wordie Expedition to North-West Greenland and the Canadian Arctic, 1937. Wind-speed observations made by pilot balloon from Godhavn 69°15'N. to Turnstone Beach, Ellesmere Island 79°N., and meteorograph observations made at Wolstenholme Island, are discussed in connection with temperature equilibrium in the atmosphere.

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CARMICHAEL, HUGH, *see also* Wordie, J. M., & others. Expedition to North West Greenland & Can. Arctic 1937. 1938.

2893. CARNEGIE INSTITUTION OF WASHINGTON. Land and ocean magnetic observations, 1927-1944. Washington, 1947. 243 p. incl. tables, diags. (*Its*: Publication 175. Department of Terrestrial Magnetism. Researches, v. 8)

Contents include: Observers' field reports, North America (thirty-one stations on Greenland, nine stations in the Canadian Arctic, and six stations on Labrador), p. 24-26. Results of magnetic land observations (including in addition to those noted above, one station on arctic ice, one at Longyear City, West Spitsbergen and three Alaska stations, p. 110-112, 114-115.

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CARNEGIE INSTITUTION OF WASHINGTON. DEPT. OF TERRESTRIAL MAGNETISM, *see* Fisk, H. W. Isomagnetic charts arctic area. 1931.

CARNEGIE INSTITUTION OF WASHINGTON. DEPT. OF TERRESTRIAL MAGNETISM, *see* Seaton, S. L., & others. Ionospheric research College Alaska, 1941-46. 1947.

CARNEGIE INSTITUTION OF WASHINGTON. DEPT. OF TERRESTRIAL MAGNETISM, *see* Seaton, S. L., & C. W. Malich. Auroral research, College Alaska, 1941-44. 1947.

CARNEGIE INSTITUTION OF WASHINGTON. GEOPHYSICAL LABORATORY, *see* National Geographic Society. Contributed technical papers; Katmai. 1923-29.

2894. CARPE, ALLEN, d. 1932. The conquest of Mt. Fairweather. (Alpine journal, Nov. 1931. v. 43, p. 221-31, 3 plates)

Account of the efforts to reach this mountain (about 58°57'N. 137°35'W.) from Lituya Bay, Southeast Alaska, the two months spent by the author's party waiting for good weather, and the climb to the summit achieved by the author and T. Moore, June 8, 1931, after Dr. W. S. Ladd, and A. Taylor turned back.

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2895. CARPELAN, JARL. Förslag angående avgränsning av ett naturs-

kyddsområde vid NO-ändan av Kuosekjärvi sjö i Petsamo-området. (Societas pro fauna et flora fennica. (Meddelanden, 1923-24, pub. 1925. Häfte 50, p. 20-23) *Title tr.*: Proposal of demarcation of the game sanctuary at the north-eastern end of Kuosekjärvi lake in the Petsamo region.

Contains a general description of exceptionally rich flora and fauna at the northeastern end of Lake Kuosekjärvi in the Petsamo region; the author proposes to establish a game sanctuary there and discusses its boundaries.

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2896. CARPELAN, JARL. Om *Buteo l. lagopus*; förekomst och fortplantning m. m. i Petsamo. (Ornis Fennica, 1927. Årg. 4, p. 19-20) *Title tr.*: On *Buteo l. lagopus*, its occurrence, propagation, etc., in Petsamo.

The rough-legged hawk.

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2897. CARPENTER, ARCHER B. Occlusions on the Alaskan coast. (American Meteorological Society. Bulletin, Oct. 1940. v. 21, p. 327-32, diagrs.)

Discussion of "the structure and behavior of two typical situations, one in fall and another in late winter", based on analysis of twice-daily weather charts, 1938-39.

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2898. CARPENTER, FRANK GEORGE, 1855-1924. Alaska, our northern wonderland. Garden City, N. Y., Doubleday, Page & Co., 1923. xv p., 1 l., 319 p. 94 plates, 2 fold. maps. (Carpenter's world travels)

Copy seen: DLC; NNS Stef.

2899. CARPENTER, GEOFFREY DOUGLAS HALE, 1882-. Notes on a collection of insects made by the Oxford University Arctic Expedition in West Spitsbergen, 1933. (Annals and magazine of natural history, Oct. 1937. Ser. 10, v. 20, p. 411-15)

List, with table of other arctic records, of twenty-one species from the Klaas Billen Bay region, and mention of three others collected previously from Bell Sound.

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2900. CARPENTER, GEOFFREY DOUGLAS HALE, 1882-, and others. Notes on insects collected in West Greenland, by the Oxford University Greenland Expedition, 1936, by G. D. Hale Carpenter. With descriptions of a new species of *Angitia* (Hymenoptera,

Ichneumonidae) by A. Roman, and of *Fannia* (Diptera, Anthomyiidae) by J. E. Collin. (Annals and magazine of natural history, May 1938. Ser. 11, v. 1, p. 529-53)

List, with localities and notes, of one hundred nineteen species collected at the head of Sønder Strømfjord and on Amerdloq Fiord, representing two species new to science and twenty-two new to West Greenland.

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2901. CARPENTER, GEOFFREY DOUGLAS HALE, 1882-, and ÅKE HOLM. Insecta and Araneae collected in the Kangerdlugsuak region of East Greenland by the British Expedition, 1935-36. (Annals and magazine of natural history, Jan. 1939. Ser. 11, v. 3, p. 60-80, illus.)

Contains in pt. 1, list, with localities, a few descriptions and some notes, of sixty-four species of insects, including three new records; and in pt. 2, by Å. Holm, a list, with notes on habitat and other records, of ten spiders; bibliography.

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2902. CARPENTER, GEOFFREY DOUGLAS HALE, 1882-, and J. E. COLLIN. Notes on insects collected in North-west Greenland by the Oxford University Ellesmere Land Expedition, 1934-35, by G. D. Hale Carpenter; with description of a new species of *Rhaphomyia* (Dipt.), by J. E. Collin. (Annals and magazine of natural history, Oct. 1937. Ser. 10, v. 20, p. 401-409)

List, and table showing other arctic records, of twenty-five insects and two spiders from Etah, with description of one new species.

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2903. CARPENTER, GEORGE H. Further records of Collembola from Spitsbergen. (Results of the Oxford University Expeditions to Spitsbergen, 1923 and 1924) (Royal Irish Academy. Proceedings, 1927. Sec. B, v. 37, p. 193-200) Issued also as Oxford University, *Spitsbergen papers*, 1929. v. 2, no. 10.

Contains a list, with discussion of habitat, mode of occurrence, locations, and morphology, of sixteen springtails, two of which are new to West Spitsbergen, collected for the most part in the Liefde and Wijde Bay regions, Reindeer Peninsula and a few in the Green Harbor region, with a bibliography.

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2904. CARPENTER, GEORGE H., and K. C. JOYCE PHILLIPS. The Collem-bola of Spitsbergen and Bear Island. (Results of the Oxford University Expedition to Spitsbergen, no. 18). (Royal Irish Academy. Proceedings, July 1922. Sec. B, v. 36, p. 11-21, illus.) Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 19.

Contains a list of ten (including with description, one new) species of spring-tails collected by the expedition in 1921, with localities, habitat, and notes on general range and geographical importance, followed by a table giving all species recorded from West Spitsbergen and their world-wide distribution, with a bibliography. **Copy seen:** DLC.

2905. CARPENTER, PHILIP HERBERT, 1852-1891. The Comatulæ of the "Willem Barents" Expeditions, 1880-84. Onderzoekingsstochten van de Willem Barents. VI. [Amsterdam, 1886] 12 p. plate. (Bijdragen tot de dierkunde. Afl. 13, VI) *Subtitle tr.:* Research voyages of the *Willem Barents*. VI.

Contains descriptions, with locations, of the four (including one new) species of these crinoids, dredged in 1880-81, and mention of the one species found during the 1882 and 1884 voyages in Barents Sea. **Copy seen:** DSI-M.

2906. CARPENTER, PHILIP HERBERT, 1852-1891. Zoologische bijdragen tot de kennis der Karazee. (Nederlandsche Pool-Expeditie, 1882-83.) II. Report on the Comatulæ. (Bijdragen tot de dierkunde, 1887. Afl. 14, p. 39-49, plate) *Title tr.:* Zoological contributions to knowledge of the Kara Sea. (Netherlands Polar Expedition, 1882-83) 2.

Results of the Netherlands First International Polar Year investigations with the *Varna* in the southern Kara Sea. Descriptions, localities and discussion of four crinoid species. **Copy seen:** DSI-M.

2907. CARPENTER, ROBERT RALPH MORGAN, 1877- . Game trails from Alaska to Africa. [Philadelphia, c1938] xiii, 180 p. front., plates, ports., 2 maps. Includes narratives of hunting trips in Southeast Alaska in 1933 and 1935, and (p. 143-80) a diary, kept by the author's son, Bill, while cruising from Newfoundland to Etah on the *Morris-*

sey, 1934, "collecting specimens for the Academy of Natural Sciences."

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2908. CARPENTER, ROBERT RALPH MORGAN, 1877- . Game trails in Idaho and Alaska. [n.p., c1940] 3 p. l., 43 p. 18 plates.

Includes account of a big game hunting expedition to the Wood River region of eastern central Alaska.

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2909. CARPENTER, WILLIAM BENJAMIN, 1813-1885. Foraminifera. Preliminary report of the biological results of a cruise in H.M.S. "Valorous" to Davis Strait in 1875. (Royal Society of London. Proceedings, June 1876. v. 25, p. 223-27)

Discussion of the types of forams dredged, and description of four new "series". **Copy seen:** DLC.

2910. CARPENTER, WILLIAM BENJAMIN, 1813-1885. Report on the physical investigations carried on by P. Herbert Carpenter . . . in H.M.S. "Valorous" during her return voyage from Disco Island in August 1875. (Royal Society of London. Proceedings, June 1876. v. 25, p. 230-37, 3 fold. plates (chart, diagrs.))

Discussion of the deep-sea temperature records and soundings obtained across Davis Strait, at Godthaab and on the homeward voyage across the North Atlantic. **Copy seen:** DLC.

2911. CARR, WILLIAM GUY, 1895- . Checkmate in the North. The axis planned to invade America. Toronto, Macmillan Co., 1944. 6 p. l., 304 p. 17 plates.

Popular account of the building of the air base at Goose Bay, Labrador, 1941-42, with a chapter on flying ice patrols. **Copy seen:** DLC.

CARRIGAN, EDWARD J., *see* U. S. Fish & Wildlife Service. Fishery Products Laboratory. Utilization Alaskan cannery waste, 1. 1947.

CARRINGTON, BENJAMIN, *see* Brown, R., & others. Florula Discoana. 1868.

CARRINGTON, THOMAS SPEES, *see* Sniffen, M. K., & T. S. Carrington. Indians of Yukon & Tanana valleys. 1914.

CARRUTH, JAMES HARRISON, 1809-1896, *see* Pierce, W. H. Thirteen years of travel & exploration in Alaska. 1890.

CARRUTHERS, R. G., *see* Lee, G. W. Carboniferous fauna from Novaja Semlja. 1907.

2912. CARSON, LAWRENCE. A knock on the door; Aleutian adventure. (Alaska sportsman, Nov. 1943. v. 9, no. 11, p. 14-15, 28-35, illus.)

Third chapter of the author's *To the isle of danger*, 1943, q.v.

Copy seen: DLC.

2913. CARSON, LAWRENCE. Maybe tomorrow; Aleutian adventure. (Alaska sportsman, Oct. 1943. v. 9, no. 10, p. 16-17, 20, 23-25 illus.)

Chapter two of the author's *To the isle of danger*, 1943, q.v.

Copy seen: DLC.

2914. CARSON, LAWRENCE. To the isle of danger; Aleutian adventure. (Alaska sportsman, Sept. 1943. v. 9, no. 9, p. 10-11, 34-36, illus.)

Account of fur trappers sent to the western Aleutians, which gives useful information on the islands, the Aleuts, and present-day activity of island residents.

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2915. CARSON, LAWRENCE. The walrus hunters. (Alaska sportsman, July 1945. v. 11, no. 7, p. 10-11, 32-39; no. 8, p. 12-13, 32-39; no. 9, p. 16-17, 28-31; no. 10, p. 16-17, 25-29, illus.)

Informative account of life indoors and out, of the Eskimos of Cape Woolley, western Seward Peninsula, including detailed description of walrus hunting.

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2916. CARSTENS, S. Bidrag til en Nordgrønlandsk krønike. (Grønlandske selskab. Aarsskrift, 1906. p. 67-85) *Title tr.:* Contribution to a chronicle of North Greenland.

Contains notes on various incidents and occurrences in West Greenland, between 1798 and 1817, such as shipwrecks, accidents, loss of lives; establishment of the community Prøven (1799); vaccination against contagious diseases; punishments for offenses; desertions; the establishment of Upernavik as an independent community (1805), and of reading rooms and libraries in the same year; missionary work and duties; conflagrations and arson; whaling, sealing and fox hunting, etc.; encounter with the British in 1809; difficult and lean years in the early 19th century; food and fuel

shortages; comet, first seen on Sept. 1, 1811, visible throughout the winter 1811-12; the mineralogist Giesecke's investigations; resumption of sailing on Greenland after the conclusion of the Kiel Treaty 1814, and other subjects.

Copy seen: NNStef.

CARSTENS, S., *see also* Knuthsen, H., & others. Om mulighederne for renavl. 1906.

2917. CARSTENSEN, ANDREAS CHRISTIAN RIIS, 1844-1906. Two summers in Greenland; an artist's adventures among ice and islands, in fjords and mountains. London, Chapman & Hall, Ltd., 1890. xxxi, [1], 185 p. illus., 28 plates, fold. map.

Descriptions of the scenery, Eskimos and administration in West Greenland, based on the author's experiences with J. A. D. Jensen's survey party in 1884, and with a group of Danish scientists under Steenstrup, 1888.

Illus. and plates are reproduced from the author's drawings and paintings.

Copy seen: DLC; NNStef.

CARSTENSEN, EIGIL RIIS *see* Riis Carstensen, Eigil, 1892-

2918. CARTER, H. J. Arctic and antarctic sponges, etc. (Annals and magazine of natural history, July 1877. Ser. 4, v. 20, p. 38-42, plate)

Notes on the sponges collected in Smith Sound during the British Arctic Expedition, 1875-76, with description of one new species, and mention of associated forms (hydroids, protozoans, etc.) Abridged version appears as Appendix no. 12, in Sir. G. S. Nares, *Narrative of a voyage to the polar sea during 1875-6, etc., pub.* 1878, q.v.

Copy seen: DSI-M.

2919. CARTER, HERBERT DYSON, 1910-. Defrosting the frozen north. (Science digest, May 1945. v. 17, no. 5, p. 4-8)

Popular article (condensed from the *Toronto Star Weekly*) on Russian permafrost studies, and engineering and utilization of permanently frozen ground, since the establishment, in 1930, of a "commission for the study of eternally frozen soil" under the Academy of Sciences, U.S.S.R.

Copy seen: DLC.

2920. CARTER, HERBERT DYSON, 1910-. Sea of destiny; the story of

Hudson Bay—our undefended back door. New York, Greenberg [c1940] ix p., 1 l., 236 p. illus. (3 maps) 14 plates incl. port. group, diagr.

Popular history of the Hudson Bay region, with emphasis in the closing chapters on its strategic importance; includes sections on the Hudson Bay Railway, and Route, and a bibliography (75 items).

Copy seen: DLC; NNSStef.

2921. CARTER, TED. Why not grow it here? (Alaska sportsman, Sept. 1944. v. 10, no. 9, p. 12-13, 30-33, illus.)

A horticulturalist discusses the need for and feasibility agricultural development in Southeast Alaska.

Copy seen: DLC.

2922. CARTWRIGHT, BERTRAM W. Where the Ross' geese nest. (Beaver, Dec. 1940. Outfit 271, no. 3, p. 6-9, illus.)

History of a search since the time of Hearne, for the nesting place of *Chen rossii* and account of the successful discovery, July 1940, at a lake inland from the mouth of Perry River at about 67°N. 104°W.

Copy seen: DSI-M.

2923. CARY, AUSTIN, 1865-1936. Exploration on Grand River, Labrador. (American Geographical Society, N. Y. Journal (Bulletin) 1892, v. 24, p. 1-17, fold. map)

Account of a four-man party from the Bowdoin College expedition, which explored the Hamilton River, from Lake Melville to Grand Falls, July 27-Sept. 1, 1891. Descriptions of the river, the falls and the country nearby.

Copy seen: DLC.

2924. CARY, AUSTIN, 1865-1936. Geological facts noted on Grand River, Labrador. (American journal of science, Nov. 1891. Ser. 3, v. 42, p. 419-21, 516)

Results of Bowdoin College expedition to Labrador, 1891. Notes on the Grand (i.e. Hamilton) River and Grand Falls, with addendum p. 516.

Copy seen: DLC.

2925. CARY, MERRITT, 1880-1918. On the diurnal Lepidoptera of the Athabaska and Mackenzie region, British America. (U. S. National Museum. Proceedings, 1906, pub. 1907. v. 31, 425-57)

Report based on collections made incidentally by the author in the Atha-

baska and Mackenzie valleys in 1903, and by Edward A. Preble in the Great Slave-Great Bear Lake region and the lower Mackenzie, 1903-04, both scientists being engaged primarily in other biological exploration for U. S. Dept. of Agriculture. Report contains annotated list of localities, a review of previous work on butterflies of the region, and a list of fifty-three species and varieties collected (including two new species) with notes on the specimens, references to the literature, etc. Bibliography, p. 456-57. *Copy seen:* DLC.

CASHMAN, EDWARD, see U. S. Copper River Exploring Expedition. Alaska 1899 (reports on exped.) 1900.

2926. CASPARI, ROBERT, 1818-1887. Hvilken utbredning hafva Nymphaeaceerna i Skandinavien? (Botaniska notiser, 1879, no. 3, p. 65-93) *Title tr.:* What is the distribution of Nymphaeaceae in Scandinavia?

Contains a critical revision of Scandinavian species and numerous varieties, forms and hybrids of the genera *Nymphaea* and *Nuphar* of water lilies (fam. Nymphaeaceae) with Latin descriptions, synonymy, critical notes and data on distribution in Scandinavia and occasionally in Germany; includes some native to Swedish and Finnish Lapland and northern Norway.

Copy seen: MH-A.

CASPERSEN, B., see Iversen, T., & others. Hopen, Svalbard reconnaissance 1924. 1926.

2927. CASTBERG, FREDE, 1893-. Östgrönlandsavtalen. Kristiania, J. W. Cappelen [1924] 48 p. *Title tr.:* The East Greenland agreement.

Discussion of character and content of this Danish-Norwegian protocol 1924, concerning mutual rights (but not sovereignty) in East Greenland; Denmark's claims to sovereignty of all Greenland, rights of police authority there; Norway's non-recognition; text of protocol. *Copy seen:* DLC.

2928. CASTNER, J. C. Report. (In: U. S. Adjutant-General's Office. Military Information Division. Reports of explorations in the Territory of Alaska [etc.] 1898, pub. 1899. p. 189-265).

Contains account of part of the work of the U. S. Military Exploring Expedition no. 3; ascent of the Matanuska

River, along Bubb Creek (Little Nelchina River) and across country, descent of the Delta River and Tanana, thence up the Volkmar River and return; remarks on transportation, trails, game, mountains, and the Indians; recommendations for clothing.

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2929. **CASTRÉN, MATTHIAS ALEXANDER**, 1813-1852. Vom Einflusse des Accents in der lappländischen Sprache. (Akademifn nauk SSSR. Mémoires . . . par divers savants, 1851. T. 6, p. 1-44) *Title tr.:* On the influence of accents in the Lapland language.

A technical treatise on the effects of accent upon other aspects of the language, such as pronunciation, and use of consonants and vowels. Includes vocabularies of about one hundred eighty words in Finnmark-, Enare-, and Swedish-Lapp dialects and Finnish.

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CASTRÉN, MATTHIAS ALEXANDER, 1813-1852, *see also* Hunfalvy, P. Ueber d. Samojedische Sprache. 1858.

2930. **CASWELL, JOHN E.** American arctic expeditions: narrative 1850-1909. Under direction of Edgar E. Robinson, principal investigator, Stanford University. Technical report I, contract N6onr 25122. Stanford University, Dept. of History, May, 1950. 173 l. reproduced from typewritten copy.

"Preliminary issue of the narrative introduction to a study of . . . the utilization of the scientific results of U. S. [government sponsored or supported] arctic expeditoins." - *Introd.* This part of the study describes the organization and activities (particularly in relation to their scientific programs) of the expeditions of DeHaven, Kane and Hayes, C. F. Hall, the *Jeannette*, First International Polar Year (Lady Franklin Bay and Point Barrow), Peary, Wellman and Ziegler (Franz Josef Land); also the exploring and collecting cruises and land parties in Bering Sea and Strait and northern Alaska sponsored or aided by U. S. government agencies, especially the Coast and Geodetic Survey and the Smithsonian Institution.

In summary the author states that "American arctic research has had an amazing continuity;" shows that while but three major expeditions were wholly financed by government in the period under study, many received aid from

government agencies in equipment, instruments, advice, and publication. This paper is based on published records (narratives and government documents) of the expeditions noted above. The second part of the study will trace "through scientific journals the development and utilization of arctic research;" through secondary works, its impact on the popular mind; and through congressional documents and departmental archives, the changing attitudes of Congress and the executive branch to arctic research.

Copy seen: CaMAI.

CATHCART, STANLEY HOLMAN, 1889- , *see* Steidtmann, E., & S. H. Cathcart. Geology of York tin deposits, Alaska. 1922.

CATHOLIC UNIVERSITY OF AMERICA. BIOLOGICAL SERIES, NO. 36, *see* Duman, M. G. Genus *Carex* E. arctic Canada. 1941.

2931. **CATTIE, J. TH.** Les lammelli-branches recueillis dans les courses du "Willem Barents," durant les mois de mai à septembre 1880 et 1881. Onderzoekingsstochten van de Willem Barents. VII. [Amsterdam, 1886] 48 p. illus., 4 plates (Bijdragen tot de dierkunde. Afl. 13, VII) *Title tr.:* The lamelli-branches collected during the cruises of the *Willem Barents* from May to September, 1880 and 1881. Research voyages of the *Willem Barents*. VII.

Contains a list, with synonymy, locations, geographic distribution, and a few descriptive notes, of thirty species of bivalve molluscs from Barents Sea; list of stations; and an anatomical study of eleven species.

Copy seen: DSI-M.

2932. **CAUDELL, A. N.** Orthoptera. Papers from the Harriman Alaska Expedition. XV. Entomological results (9). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 511-12) Reprinted, 1904, in Ashmead, W. H., and others. Insects, part. I. Harriman Alaska series. v. 8, p. 115-18.

Account of one locust collected at Kukak Bay, Alaska Peninsula.

Copy seen: DLC.

2933. **CAUGHREAN, BESSIE.** Outpost of civilization. (Alaska sportsman, Aug. 1942. v. 8, no. 8, p. 6-7, 25-26, illus.)

History and description of present-day Flat, a typical mining town on a tributary creek of Iditarod River at about 62°30'N. 158°W., and its surrounding country. *Copy seen:* DLC.

CAVALLI MOLINELLI, PIETRO ACHILLE, 1865- , see Luigi, *Duke of the Abruzzi*. Exped. *l'Etoile polaire*. 1904.

CAVALLI MOLINELLI, PIETRO ACHILLE, 1865- , see Luigi, *Duke of the Abruzzi*. On "Polar Star." 1903.

CAVALLI MOLINELLI, PIETRO ACHILLE, 1865- , see Luigi, *Duke of the Abruzzi*, & others. "Stella Polare," 1899-1900. 1903.

2934. **CAYEUX, ANDRÉ de**, 1907- . Terre arctique; avec l'Expedition française au Groenland. Préface de Paul Émile Victor. Grenoble, Paris, B. Arthaud, 1949. viii, 230 p. 45 illus. on 20 plates, 4 maps. *Title tr.*: Arctic land; with the French expedition to Greenland. Preface by Paul Émile Victor.

Narrative of the preparatory expedition May-Oct. 1948, with P. É. Victor as leader, and the author as head of the natural sciences and geography section, to establish camp sites, communication and depots of reserve material, to test equipment and make preliminary observations for the main expedition of 1949-50.

Contains (p. 21-53) introductory sketch of Greenland; investigations in the physical and natural sciences since the time of Peary and purpose of "Mission P-É. Victor" 1948.

Description (p. 1-20, 54-70) of the expedition's course to the region of De Quervain's work in 1912 (about 69°46'N. 50°15'W.), the countryside, elements of weather (in general terms), animals of sea and land, birds, hunting, etc.; the Greenlanders and their way of life, particularly as affected in recent times by Europeans. Remarks (p. 171-208) on the life (tents, clothing, food, etc.) and work (reconnaissances, installation of three camps, scientific activities) of the party. Appended is a list of the personnel, and (by P. É. Victor, p. 211-219) a précis of the French expeditions 1948-50, and scientific report on the achievements of the preparatory expedition of 1948. Brief bibliography and detailed index.

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CAZEAUX, PIERRE EURYALE, see Back, Sir G. Voyage dans régions arctiques, 1834-35. 1836.

2935. **CEDERCREUTZ, CARL WILHELM**, 1893- . Algen aus Kuusamo. (Societas pro fauna et flora fennica. Memoranda, 1935-36, pub. 1936. v. 12, p. 46-52) *Title tr.*: Algae from Kuusamo.

Contains a systematic list of two hundred thirteen species of algae including five new to the algal flora of Finland, collected, in the summer of 1934, by the author in Kuusamo region; bibliography (10 items).

Copy seen: MH-A.

2936. **CEDERCREUTZ, CARL WILHELM**, 1893- . Die Characeen Finnlands. (Societas pro fauna et flora fennica. Memoranda, 1931-32 pub. 1933. v. 8, p. 241-54) *Title tr.*: Characeae of Finland.

Contains a key to four genera of the algal family Characeae, keys to seventeen fresh-water and marine species of this family, with detailed data on geographic distribution; includes some native to Finnish and Russian Lapland and Barents Sea (marine species); bibliography (33 items).

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2937. **CEDERCREUTZ, CARL WILHELM**, 1893- . Fresh-water Algae from Labrador. (Societas pro fauna et flora fennica. Memoranda, 1943, pub. 1944. 19, p. 216-22)

List of two hundred twenty-nine species, varieties and forms (exclusive of diatoms, determined from collections made by I. Hustich during the Finnish Expedition to Labrador, 1937.

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2938. **CEDERCREUTZ, CARL WILHELM**, 1893- . *Potentilla pulchella* R. Br., ny för Fennoscandia. (Societas pro fauna et flora fennica. Memoranda 1927-28, pub. 1928. v. 4, p. 49-50, illus.) *Title tr.*: *Potentilla pulchella* R. Br. new to Fennoscandia.

Contains a report of finding of *Potentilla pulchella*, an herb new to the flora of Finland, collected in summer 1927, near Limtupah-taat, Petsamo region, and known from West Spitsbergen, Novaya Zemlya, Greenland and Ellesmere Island.

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2939. **CEDERCREUTZ, CARL WILHELM**, 1893- . Süßwasseralgen aus

Petsamo. [I]-II. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929, v. 5, p. 140-58, text map; pt. II, Memoranda, 1930-31, pub. 1932, v. 7, p. 236-48, illus.) *Title tr.*: Fresh-water algae from Petsamo [I]-II.

Contains the results of the study of fresh-water algae of Petsamo region by the author, in 1927, and two collections made by E. Häyren in 1926 and N. Soyrintki in 1929 (pt. II); with two lists of stations, and systematic lists of about three hundred species in pt. I and two hundred in pt. II, including *Cosmarium petsamoëns* n. sp. and two new varieties; bibliography (30 + 22 items). *Copy seen*: MH-A.

2940. CEDERCREUTZ, CARL WILHELM, 1893-. Die Zygnemaceen Finnlands. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1935, v. 11, p. 122-32, illus.) *Title tr.*: Zygnemaceae of Finland.

Contains a systematic list of fifty species of fresh-water algae of family Zygnemaceae of Finland, including many native to Kuusamo region and a few from Kola Peninsula, with detailed data on distribution.

Copy seen: MH-A.

2941. CEDERGREN, ISRAEL GÖSTA ROBERT, 1888-. Algerna utbredningsgrupper. (Svensk botanisk tidskrift, 1928. Bd. 22, häfte 1-2, p. 92-105) *Title tr.*: Distribution of algae groups.

Contains a general discussion of the distribution of marine and fresh-water algae in arctic and subarctic regions with citation of typical species, based mostly on literature sources.

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2942. CEDERGREN, KERSTIN. Lathyrus maritimus. (L.) Bigelow i Skandinavien (Svensk botanisk tidskrift, 1947. Bd. 41, häfte 1, p. 151-58, text map) *Title tr.*: *Lathyrus maritimus* (L.) Bigelow in Scandinavia.

Contains a study of Scandinavian distribution of *Lathyrus maritimus*, an herb of the pea family, and a survivor of the last glaciation, found often in Fennoscandia and the Kola Peninsula.

Summary in English.

Copy seen: MH-A.

2943. CEDERWALD, G. Strödda bidrag till Skandinavians flora. (Botaniska notiser, 1867, no. 8-10, p. 162-76)

Title tr.: Occasional contributions to Scandinavian flora.

Contains a list of about two hundred flowering plants and cryptogams of Scandinavia, based on various collections; includes some species from Swedish Lapland and arctic Norway.

Copy seen: MH-A.

2944. ČEJKA, BOHUMIL. Die Oligochaeten der Russischen in den Jahren 1900-1903 unternommenen Nordpolarexpedition. I. Über eine neue Gattung der Enchytraeiden (Hepatogaster). St. Pétersbourg, 1910. p. 1., 29 p. 3 plates. (Russkaja poliarnaja ekspeditsija, 1900-1903. Résultats scientifiques. Sect. E, vol. 2, livr. 2. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 29, no. 2) *Title tr.*: The Oligochaeta of the Russian North Polar Expedition, 1900-1903. I. On a new genus of Enchytraeidae (*Hepatogaster*).

From collections of earthworms made on the western shores of the Taymyr Peninsula, the region between the mouths of the Yana and Lena Rivers, and on several of the New Siberian Islands, the author gives a detailed anatomical description of the genus, a systematic description of the two new species, all found on the New Siberian Islands, and a bibliography (42 items).

Copy seen: DSI-M.

2945. ČEJKA, BOHUMIL. Die Oligochaeten der Russischen in den Jahren 1900-1903 unternommenen Nordpolarexpedition. II. Über neue Bryodrilus- und Henlea-Arten. St. Pétersbourg, 1912. 2 p. 1., 19 p. 4 plates. (Russkaja poliarnaja ekspeditsija, 1900-1903. Résultats scientifiques. Sec. E. vol. 2, no. 6. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 29, no. 6) *Title tr.*: The Oligochaeta of the Russian Polar Expedition, 1900-1903. II. On new *Bryodrilus* and *Henlea* species.

Contains full descriptions of one new *Bryodrilus* species and two new *Henlea* species from the New Siberian Islands, with indication of known species in both genera, and a bibliography (34 items).

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2946. ČEJKA, BOHUMIL. Die Oligochaeten der Russischen in den Jahren 1900-1903 unternommenen Nordpolarexpedition. III. Über neue Mesenchy-

traeus-Arten. IV. Verzeichnis der während der Expedition gefundenen Oligochaeten-Arten. Petrograd, 1914. 2 p. l., 32 p. illus. (Russkaiâ polârnaiâ ekspeditšiâ, 1900-1903. Résultats scientifiques. Sect. E, vol. 2, livr. 9. Pub. as: Akademiâ nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 29, no. 9) *Title tr.*: The Oligochaeta of the Russian Polar Expedition, 1900-1903. III. On new *Mesenchytraeus* species. IV. Catalog of the species collected during the expedition.

Contains a synopsis of known species of the genus *Mesenchytraeus*, full descriptions of two new species; a list, with localities of fourteen earth and other worm species from the west coast of Taymyr Peninsula, the region between mouths of Yana and Lena Rivers, and the New Siberian Islands; and a bibliography (24 items).

Copy seen: DSI-M.

2947. CELSING, G. R. Andréas Ballonguppstigning 1897. (Ymer, 1897. Årg. 17, p. 221-38, illus, plate) *Title tr.*: Andrée's balloon ascension, 1897.

Account of the Andrée Expedition, 1897, in the *Svensksund* and the *Virgo* from Gothenburg to Danish Island, off West Spitsbergen, and of Andrée's ascent and flight into the inner Arctic in a dirigible balloon.

Copy seen: DLC.

CENTKIEWICZ, CZESLAW, *see* Lugeon, J., & others. Magnetyzm ziemski. 1936.

2948. CHAFE, ERNEST F. The voyage of the "Karluk", and its tragic ending. (Geographical journal, May 1918. v. 51, p. 307-316)

Account, by one of shipwrecked party, of the drift of the *Karluk*, Sept. 1913-Jan. 1914, from Beaufort Sea to 73°N. 178°W.; loss of the ship, and journey across the ice to Wrangel Island; departure of Capt. Bartlett for the Siberian coast, activities of the group remaining on Wrangel till their rescue on Sept. 7, 1914.

Copy seen: DLC.

2949. CHAIKIN, S. I. Shlikhovoe oprobvanie. (Leningrad. Vsesoŭznyĭ arkticheskii institut, Trudy, 1937. T. 90, p. 25-27) *Title tr.*: Slick testing.

Description of methods used by the Arctic Institute of U.S.S.R. geological

expedition to Anyuy Range and mention of gold contained in samples taken.

Summary in English, p. 106.

Copy seen: DLC.

CHAIKINA, I. A., *see* Bruevich, S. V., & I. A. Chaikina. Gidrokhimicheskie nablŭdeniâ Kol'skogo zaliva. 1933.

CHALLENGER, E. R., *see* Soule, F. M., & E. R. Challenger. Discussion of some effects of winds on ice. 1949.

2950. CHAMBERLAIN, ALEXANDER FRANCIS, 1865-1914. Signification of certain Algonquian animal-names. (American anthropologist, 1901. n.s., v. 3, p. 669-683)

Names of about one hundred animals with dialectical variants, etymology, etc.

Copy seen: DLC.

CHAMBERLAIN, ALEXANDER FRANCIS, 1865-1914, *see also* Fewkes, J. W. & others. Problems of unity & origin American aborigines. 1912.

2951. CHAMBERLAIN, FREDERIC M., 1867- . Some observations on salmon and trout in Alaska. Washington, U. S. Govt. Print. Off., 1907. 112 p. 5 plates, fold. map (U. S. Fish and Wildlife Service. Report of the Commissioner of Fisheries, 1906. Special paper no. 7. Fisheries document no. 627)

Based on field work ashore during the Alaska salmon investigations 1903-05, in the localities of Naha River, Revillagigedo Island, Southeast Alaska (with map) and Karluk River, Kodiak Island. The observations include facts on the natural history of the salmon (most of the material relates to young fish, but known facts in the life of the adult, including spawning period, are considered, with mention of trout associated with salmon); differentiation and description of the species, a detailed record of field observations on the young, and discussion of habits of the salmon from time of migration of young until return of adults to spawning beds. Tables of weights and measurements of adult sockeyes.

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CHAMBERLAIN, LOWELL, *see* Miller, M. M., & L. Chamberlain. Juneau "Ice Cap", 1948. 1949.

CHAMBERLAIN, MONTAGUE, 1844-1924, *see* Hagerup, A. T. Birds of Greenland. 1891.

CHAMBERLAIN, MONTAGUE, 1844-1924, see Hagerup, A. T. Some account birds S. Greenland. 1889.

2952. CHAMBERLIN, JOSEPH C. Insects of agricultural and household importance in Alaska with suggestions for their control. Washington, U. S. Govt. Print. Off., 1949. p. l. 59 p. illus. (Alaska. Agricultural Experiment Station. Circular no. 9)

Based on investigations in the Matanuska Valley, 1943-45 under the U. S. Bureau of Entomology and Plant Quarantine and the University of Alaska Agricultural Experiment Station. A list of sixty-four common and scientific names of important insects; detailed discussion of cutworms, root maggots, minor agricultural pests, and household and stored-product insects.

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2953. CHAMBERLIN, RALPH VARY, 1879- . The Chilopoda [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. H, p. 15-22, incl. plate)

Taxonomic discussion, with description of one new species, of the two centipedes collected in the Cape Nome region, Alaska. *Copy seen:* DSI-M.

2954. CHAMBERLIN, RALPH VARY, 1879- . Gephyrea. Ottawa, King's Printer, 1920. 21 p. incl. plate. (Canadian Arctic Expedition, 1913-1918. Report. v. 9: Annelids, parasitic worms, protozoans, etc., Pt. D)

Description of one species from fish stomachs, collected by the expedition at Bernard Harbour on Dolphin and Union Strait, and five additional (including one new) species from other arctic areas; with a bibliography, p. 8-21.

Copy seen: DSI-M.

2955. CHAMBERLIN, RALPH VARY, 1879- . Polychaeta. Ottawa, King's Printer, 1920. 41 p. incl. 6 plates, (Canadian Arctic Expedition, 1913-1918. Report. v. 9: Annelids, parasitic worms, protozoans, etc., Pt. B)

List, with some descriptions, locations and distribution noted, of forty-nine (including nine new) species of marine worms from the coastal waters of Alaska and Northwest Territories, and a few from Hudson Bay. Addendum and emendations on one of these species appear in Ashworth, J. H. *Polychaeta (supplementary)*, 1924, q.v.

Copy seen: DSI-M.

2956. CHAMBERLIN, THOMAS CHROWDER, 1843-1928. Geology. (In: Bryant, H. G., and others. The Peary Auxiliary Expedition of 1894. Geographical Society of Philadelphia. Bulletin, June 1895. v. 1, p. 167-94, 8 plates)

Description of the floes and icebergs of Baffin Bay, the glaciers of the Disko region and of Inglefield Gulf; an account of the general geology and a discussion of glacial stratification, movement and debris, with notes on former glaciation. *Copy seen:* DLC.

2957. CHAMBERLIN, THOMAS CHROWDER, 1843-1928. Recent glacial studies in Greenland. (Geological Society of America. Bulletin, Feb. 1895. v. 6, p. 199-220, 8 plates)

Annual address, 1894, by the president of the Society, giving a sketch of his studies, during that year, on the glaciation of Greenland, along the west coast between Cape Desolation and Inglefield Gulf and Disko Island; with attention concentrated on the transport and deposition of materials by glaciers, and the topographic and geological relationships of glaciation.

Copy seen: DGS.

2958. CHAMBERLIN, THOMAS CHROWDER, 1843-1928. Significant ameliorations of present arctic climates. (Journal of geology, July-Aug. 1923. v. 31, p. 376-406, illus.)

Discussion of the causes of the climatic oasis at the head of Baffin Bay in the region of Etah, particularly the circulation of waters from the polar region and from the Atlantic Ocean. The layers of the polar sea and Atlantic waters, and the intercontinental ridges which direct the flow of the middle and lower layers are defined, and the transfer of head by the warm middle Atlantic layers into Baffin Bay is recognized as significant for the amelioration of climate under discussion.

Copy seen: DLC.

CHAMBERS, ALFRED A. see Dole, R. B., & A. A. Chambers. Chemical character surface waters Alaska. 1917.

2959. CHAMBERS, ERNEST JOHN, 1862-1925. The Barren Lands of Canada; their mineral possibilities. (Canadian mining journal, Mar. 1929. v. 50, p. 187-91, 210-13, 241-43, illus., sketch map) Reprinted from his *The unexploited West*, 1914, q.v.

Contains a summary of the exploratory work done in the 19th and early 20th centuries especially in the region about Bathurst Inlet and Coppermine River. *Copy seen:* DGS.

2960. CHAMBERS, ERNEST JOHN, 1862-1925. The unexploited West, a compilation of all of the authentic information available . . . as to the natural resources of the unexploited regions of northern Canada, by Major Ernest J. Chambers. Pub. under the direction of F. C. C. Lynch, superintendent of the Railway Lands Branch, Department of the Interior. Hon. W. J. Roche, minister. Ottawa, Printed by J. deL. Tache, 1914. xv. 361, viii, xi p. illus., 8 maps.

Contains chapters on history of exploration, the topography, agriculture, timber and mineral resources, and the game and fur-bearing animals of the regions between Hudson and James Bays and the Rocky Mts., including Keewatin and Mackenzie Districts northern parts of Alberta and Saskatchewan, and northern Manitoba and Ontario. Chap. 21 was reproduced in part as his, *The Barren Lands of Canada; their mineral possibilities*, 1929, q.v. *Copy seen:* DLC.

CHAMBERS, ERNEST JOHN, 1862-1925, see also Canada. Dept. of the Interior. Great Mackenzie basin. rev. ed. 1908.

CHAMBERS, MOREAU, see Collins, H. B. Archeological investigations. N. Alaska. 1932.

CHAMISSE, ADELBERT von, 1781-1838, see Kotšebu, O. E. Entdeckungs-Reise 1815-18. 1821.

CHAMISSE, ADELBERT von, 1781-1838, see Kotšebu, O. E. Entdeckungs-reise, 1815-18. 1825.

CHAMISSE, ADELBERT von, 1781-1838, see Kotšebu, O. E. Puteshestvie v ūzhnyĭ okean i v Beringov pr. 1821.

CHAMISSE, ADELBERT von, 1781-1838, see Kotšebu, O. E. Voyage of discovery South Sea & Bering St. 1815-18. 1821.

2961. CHAMPAGNE, JOSEPH-ÉTIENNE. First attempts at the evangelization of Alaska. (Études Oblates, 1943. T. 2, p. 13-22)

A brief history (drawn from French language sources) of the O.M.I. mission work 1862-73 in Alaska, especially of the expedition of Bishop Clut and Fr. Lecorre, 1872-73, from Fort McPherson to Fort Yukon and St. Michael. *Copy seen:* CaOUS.

2962. CHANCOURTOIS, ÉMILE B. de, and FERRI-PISANI. Géologie du Gröenland. (In: Chojecki, K. E. Voyage dans les mers du nord à bord de la corvette la Reine Hortense, 1857. Notices scientifiques, p. 103-146) *Title tr.:* Geology of Greenland.

Description of land features, surface geology, coal deposits, petrology and mineralogy, as observed during the visit to West Greenland in summer 1856, and drawn from previously published works. *Copy seen:* DLC.

2963. CHANDLER, EDNA WALKER. The caribou are losing ground. (Alaska sportsman, Aug. 1943. v. 9, no. 8, p. 16-17, 28-29, illus.)

Discussion of the need for wildlife conservation, with special reference to the fur-bearers. *Copy seen:* DLC.

2964. CHANDLER, EDNA WALKER. No gasoline? use fish! (Alaska sportsman, Apr. 1943. v. 9, no. 4, p. 10-11, 23-24, illus.)

General information on dogs and dog driving. *Copy seen:* DLC.

2965. CHANDLER, EDNA WALKER. The walrus gets a rest. (Alaska sportsman, Feb. 1943. v. 9, no. 2, p. 14-15, 18, illus.)

Note on conservation measures for walrus and discussion of ivory and its uses. *Copy seen:* DLC.

2966. CHANDLER, ROBERT FLINT, 1907- . The time required for podzol formation as evidenced by the Mendenhall glacial deposits near Juneau, Alaska. (Soil Science Society of America. Proceedings, 1942, pub. 1943, v. 7, p. 454-59, illus.)

Study of soil formation based on samples of four ages: fifteen, ninety, two hundred fifty, and a thousand years. *Copy seen:* DGS.

2967. CHANEY, RALPH WORKS, 1890- . A sequoia forest of Tertiary age on St. Lawrence Island. (Science, Dec. 26, 1930. v. 72, no. 1878, p. 653-54)

Brief report on discovery in 1930 of *Sequoia langsdorffii* in a Tertiary deposit on St. Lawrence Island, Alaska, by Dr. Henry B. Collins, Jr. and Capt. Edward D. Jones. Sequoia fossil occur from California and Colorado north to Alaska, also in Manchuria and Siberia. The St. Lawrence find, bridging the gap, is regarded as evidence of a Tertiary land bridge between Asia and America.

Copy seen: DLC.

2968. CHANEY, RALPH WORKS, 1890-, and **HERBERT L. MASON. A Pleistocene flora from Fairbanks, Alaska.** New York, 1936. 17 p. illus. (American Museum of Natural History, N. Y. American Museum novitates. No. 887)

Based on collections made during the Alaska College-American Museum of Natural History Expedition, 1929. Discussion of composition, indications of paleoclimate, age, and taxonomy of twenty-seven species of plants found in frozen muck of central Alaska.

Copy seen: DSI-M.

2969. CHANT, CLARENCE AUGUSTUS, 1865-. The Labrador eclipse expedition. (Acta Victoriana, Dec. 1905. 10 p., illus.)

Account of a Canadian expedition, suggested by the Royal Astronomical Society of Canada, and commanded by the Canadian chief astronomer, to the mouth of Northwest River on Lake Melville, Aug.-Sept. 1905 to observe a total eclipse of the sun.

Copy seen: CaOAr (reprint); MH.

2970. CHAPIN, THEODORE SHEFFIELD, 1876-. The Nelchina-Susitna region, Alaska. Washington, U. S. Govt. Print. Off., 1918. 67 p. illus., 10 plates (part fold., incl. 2 maps in pocket) diagrs.

Results of a geologic survey 1914, of a region extending diagonally from southeast to northwest across the mapped area, 61°35'-63°05'N. 145°20'-148°40'W., which represents parts of the drainage basins of the Copper and Susitna Rivers. Notes on topography (parts of Talkeetna and Chugach Mts.) drainage (Klutina, Tazlina, Nelchina, Little Nelchina, Susitna, Maclaren, and Oshetna Rivers) and routes; description of the geology, geomorphology, and gold deposits.

Maps (1) topographic, and (2) geological reconnaissance maps of Nelchina-

Susitna region (contour interval 200 ft., scale 1:250,000).

Copy seen: DGS.

2971. CHAPIN, THEODORE SHEFFIELD, 1876-. The structure and stratigraphy of Gravina and Revillagigedo Islands, Alaska. (*In:* U. S. Geological Survey. Shorter contributions to general geology, 1918. Professional paper, 1919. No. 120, p. 83-100, illus., plate)

Contains a preliminary report on an area in the southern part of Ketchikan mining district; description of the physiography, and summary of structure and Mesozoic, Devonian, Carboniferous, Tertiary and Quaternary formations.

Copy seen: DGS.

CHAPIN, THEODORE SHEFFIELD, 1876-, see also Buddington, A. F., & T. Chapin. Geology & mineral deposits of SE. Alaska. 1929.

CHAPIN, THEODORE SHEFFIELD, 1876-, see also Burchard, E. F., & T. Chapin. Marble resources SE. Alaska. 1920.

2972. CHAPLYGIN, E. I. Gidrologicheskiy rezhim bukhty Tiksi. (Problemy Arktiki, 1939, no. 3, p. 5-20, maps (incl. 1 fold.) diagrs. (incl. 1 fold.)) *Title tr.:* Hydrological régime of Tiksi Bay.

Discussion of temperature and salinity of water and currents, based on observations during two winterings in 1935-37. Map shows location of hydrological stations. Diagram shows currents observed at Cape Kosistyy (about 71°38'N. 129°28'E.) Aug. 10-12, 1936.

Copy seen: DLC.

2973. CHAPLYGIN, E. I. Nanosy v raione bukhty Tiksi. (Problemy Arktiki, 1939, no. 4, p. 23-29, fold. map, tables) *Title tr.:* Alluvium in Tiksi Bay region.

Results of the bottom survey by the Harbor-Investigation Expedition in Bulunkan Bay (about 71°38'N. 128°57'E.) and near Brusnev Island (about 71°39'N. 129°10'E.) in 1933-34, and by the Tiksi Bay polar station in 1936. Data on sediments and transparency of water.

Tables show mechanical composition of samples from several stations in the bay. Map shows distribution of different types of sediments of the bottom in the bay.

Copy seen: DLC.

2974. CHAPLYGIN, E. I. O temperatura pochvy v Arktike. (Problemy Arktiki, 1939, no. 9, p. 67-74, illus.) *Title tr.*: Ground temperature in the Arctic.

Summary of mean monthly soil temperatures at graduated depths of 10, 20, 40, and 80 cm. at Cape Chelyuskin, (1933-36), and at Cape Shmidt (1934-37). The variation of the freezing line, or the boundary between the active layer and permafrost layer, is roughly determined for the warmer months.

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2975. CHAPLYGIN, E. I. O zimnikh techeniĭakh v ust'e Bykovskoi protoki reki Leny. (Problemy Arktiki, 1938, no. 5-6, p. 27-32, map, tables, diagrs.) *Title tr.*: On winter tides in the estuary of the Bykovskaya arm of the Lena River delta.

Based on observations at five diurnal stations at 72°01'N, 129°06'E. Feb. 24-May 12, 1937. Table 2 shows direction and velocity of semidiurnal tides at high water in Tiksi Bay.

Copy seen: DLC.

2976. CHAPLYGIN, E. I. Prilivnye i neperiodicheskie kolebaniĭa urovniĭa v gube Kamenke (Novĭa Zemlĭa). (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1939, no. 2, p. 97-108, illus., map, diagrs.) *Title tr.*: Tidal and non-periodic changes of sea level in Kamenke Bay (Novaya Zemlya).

Results and discussion of observations made by the Hydrological Dept. of the Arctic Institute U.S.S.R., Aug. 26-Sept. 27, 1935 at the Karskiye Votra Strait.

Copy seen: DLC.

CHAPLYGIN, E. I., *see also* Gevorkĭan, R. G., & E. I. Chaplygin. O vetrovom dreife vody. 1940.

CHAPLYGIN, E. I., *see also* Gevorkĭan, R. G., & E. I. Chaplygin. Svobodnyi dreif ledĭanykh poleĭ. 1940.

2977. CHAPMAN, ABEL, 1851- . Wild Norway, with chapters on Spitsbergen, Denmark, etc. London, New York, E. Arnold, 1897. xiii, 358 p. illus., 13 plates.

Includes brief chapter (p. 341-51) on birds of West Spitsbergen with mention of other animal and plant life.

Copy seen: DLC; NNSf.

2978. CHAPMAN, DONALD HARDING, 1904- . The Soviet arctic sta-

tions on Novaya Zemlya. (American Meteorological Society. Bulletin, Nov. 1937, v. 18, p. 353-56, plate)

Results of a field excursion following the XVIIth International Geological Congress at Moscow and Leningrad July 1937. The author describes the sites, instrumentation, and personnel of several meteorological stations on the two islands of Novaya Zemlya. Three photographs of the Cape Desire (mys Zhelaniya) station are included.

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2979. CHAPMAN, FRANK MICHLER, 1864-1945. Birds collected in Alaska by the Andrew J. Stone Expedition of 1903. (American Museum of Natural History. Bulletin, 1904. v. 20, p. 399-406)

List, with location and date of capture, also some annotations, of sixty-two species, represented by 317 birds and thirty-five sets of eggs taken for the museum on Alaska Peninsula and Kenai Peninsula.

Copy seen: DLC.

2980. CHAPMAN, FRANK MICHLER, 1864-1945. List of birds collected in Alaska by the Andrew J. Stone Expedition. (American Museum of Natural History. Bulletin, 1902. v. 16, p. 231-47)

List, with notes on location and occasional notes on habits, of sixty-eight species and subspecies (including three new forms fully described) collected for the Museum in 1901.

Copy seen: DLC.

2981. CHAPMAN, FRANK MICHLER, 1864-1945. Report on the birds received through the Peary expeditions to Greenland. (American Museum of Natural History. Bulletin, 1899. v. 12, p. 219-44, illus.)

List, with four descriptions of plumage, notes on habits, and locations, of forty-eight species from northwestern Greenland.

Copy seen: DLC.

2982. CHAPMAN, FREDERICK SPENCER, 1907- , and others. Northern lights; the official account of the British Arctic Air-route Expedition, 1930-1931, by F. Spencer Chapman; with a foreword by Admiral Sir William Goodenough, an introduction by the late H. G. Watkins, leader of the expedition, and additional chapters by J. M. Scott, Capt. P. M. H. Lemon & Augustine Courtauld. London, Chatto

& Windus, 1932. xv, [1] 304 p., 1 l. front., illus., 63 plates (incl. ports.) 5 maps (4 fold.)

Contains detailed account of the activities of this expedition, based near Angmagssalik on the east coast of Greenland; its sledge and boat trips: two across the icecap, three northward, one to the icecap station thirty miles west of Angmagssalik and another southward along the coast to Nanortalik. Describes the establishment of the icecap station, and five months' work there; the continuous weather observations, studies of geology and ornithology, the mapping and reconnaissance with aid of airplane, particularly the coast northward to Kangerdlugssuaq, the attempt to climb Mt. Forel; notes on the art of kayaking.

Appendices: Report on flying work. Systematic list of 67 species of plants collected between Kangerdlugssuaq and Angmagssalik, Aug.-Sept. 1930. Climatological notes. Geological work. Survey. Sledging rations. Field notes on birds of East Greenland.

Copy seen: DLC; NNStef.

2983. CHAPMAN, FREDERICK SPENCER, 1907- . and others. Northern lights; the official account of the British Arctic Air-route Expedition. New York, Oxford University Press, 1933. xv [1] 304 p., 1 l. front., illus., 63 plates (incl. ports.) 2 maps (1 fold.)

Another edition, reissued in 1934; this edition has a foreword by Admiral R. E. Byrd, a general map only, and lacks the appendices.

Copy seen: DLC; NNStef.

2984. CHAPMAN, FREDERICK SPENCER, 1907- . Preliminary account of the natural history work. The Tugtulik (Lake Fjord) country, East Greenland. Appendix 2. (Geographical journal, May 1934. v. 83, p. 375-77)

Contains notes on the birds observed, and brief remarks on the numbers of plants and insects which were collected.

Copy seen: DLC.

2985. CHAPMAN, FREDERICK SPENCER, 1907- . Some field-notes on the birds of East Greenland. British Arctic Air Route Expedition. Appendix 6. (Geographical journal, June 1932. v. 79, p. 493-96)

Lists (using common names) with notes, of the birds seen in the Angmagssalik and Lake Fiord, (Tuqtilik)

regions, during the journey along the coast to Kangerdlugssuaq, and on the icecap.

Copy seen: DLC.

2986. CHAPMAN, FREDERICK SPENCER, 1907- . Watkin's last expedition. London, Chatto & Windus, 1934. xv, [1], 291 p. illus., 49 plates, 2 maps (1 fold.) Reprinted by Penguin Books, 1938, as no. 133. 310 p., illus. (maps) plates.

The story of the Watkin's East Greenland Expedition, 1932-33, during which the leader lost his life. Gives an account of the sledge and boat journeys in the Angmagssalik region, descriptions of the East Greenlanders, kayaking, hunting, and dog sledging.

Copy seen: DLC; NNStef.

2987. CHAPMAN, JOHN WIGHT, 1858-1939. Athapascan traditions from the lower Yukon. (Journal of American folk-lore, 1903. v. 16, p. 180-85)

Six tales (in English).

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2988. CHAPMAN, JOHN WIGHT, 1858-1939. The happy hunting-ground of the Ten'a. (Journal of American folk-lore, 1912. v. 25, p. 66-71)

Contains an account of beliefs and customs connected with death and the after-life, as observed by the author among the Ten'a (or Ingalik) Indians of the lower Yukon, 1887.

Copy seen: DLC.

2989. CHAPMAN, JOHN WIGHT, 1858-1939. Notes on the Tinneh tribe. (International Congress of Americanists. 15th, Quebec, 1906. [Compte rendu] pub. Quebec, 1907. v. 2, p. 7-38, illus.)

Contains observations on the Ingalik Indians (a Tinneh i.e. northern Athapascan tribe) made by the author while stationed as a missionary at Anvik (at the junction of the Yukon and Anvik Rivers, Alaska). Includes translation of three myths, notes on shamanism, and description of festivals, with pictures of masks and other dance equipment.

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2990. CHAPMAN, JOHN WIGHT, 1858-1939. Ten'a texts and tales from Anvik, Alaska, by John W. Chapman, with vocabulary by Pliny Earle Goddard. Leyden, E. J. Brill, 1914; G. E. Stechert, N. Y. agents. 230 p. (American Ethnological Society. Publications, v. 6)

Thirty-three tales in free English translation, also in vernacular with literal English translation; collected by the author among these Ingalik Indians of the lower Yukon River region, p. 8-208; vocabulary p. 209-230.

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2991. CHAPMAN, JOHN WIGHT, 1858-1939. Tinneh animism. (American anthropologist, 1921. n. s., v. 23, p. 298-310)

Religious beliefs and customs of Indians of lower Yukon River region.

Copy seen: DLC.

2992. CHAPMAN, WILBERT MCLEOD. Eleven new species and three new genera of oceanic fishes, collected by the International Fisheries Commission from the northeastern Pacific. (U. S. National Museum. Proceedings, 1939 pub. 1940. v. 86, p. 501-542. illus.)

Discussion of the International Fisheries Commission's investigations in the Gulf of Alaska and adjacent waters, with descriptions of the new species and genera.

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2993. CHAPMAN, WILBERT MCLEOD, and ALLAN C. DeLACY. New species of *Careproctus* from Alaska. (Pan-Pacific Research Institution. Journal, Apr.-June 1934. v. 9, no. 2, p. 2-5, table)

Full description and table of measurements of *Careproctus scottae*, a liparid fish, from the waters of Southeast Alaska.

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2994. CHAPPELL, EDWARD, 1792-1861. Narrative of a voyage to Hudson's Bay in His Majesty's ship *Rosamond*, containing some account of the northeastern coast of America and of the tribes inhabiting that remote region. London, Printed for J. Mawman, 1817. 6 p. l., 279 p. front. (fold. map) illus., plate.

Contents include a day-to-day record, May-Nov. 1814, of the voyage to York Factory; observations on Eskimos and Cree; soundings off York Factory; thermometrical observations at Oxford House, 1811; Eskimo objects collected by Chappell and Joseph Billings; Cree vocabulary.

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2995. CHAPSKII, K. K. Kratkii istoricheskii analiz sovremennogo sostoiāniia zapasov morzha v Barentsovom i

Karskom moriakh. (Problemy Arktiki, 1939, no. 3, p. 62-69) *Title tr.:* A brief historical analysis of the recent state of seal reserves in the Barents and Kara Seas.

Copy seen: DLC.

2996. CHAPSKII, K. K. Migratsii i promysel belugi (*Delphinapterus leucas* Pall.) v severnoi chasti Obskoi guby. Leningrad, 1937. 60 p., illus., tables. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1937. T. 71) *Title tr.:* Migrations and hunting of white whale in the northern part of Ob Bay.

Results of an investigation made for the Arctic Institute of U.S.S.R., 1934-35. Bibliography, p. 59-60.

Summary in English.

Copy seen: DLC.

2997. CHAPSKII, K. K. Mlekopitaushchie vysokikh shirot Severnogo Ledovitogo okeana. (In: Dreifuūshchaia ēkspeditshiā Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 14-18) *Title tr.:* Mammals of the high latitudes of the Arctic Ocean.

Discussion of polar bears, arctic foxes, seals, and narwhals observed by V. K.H. Buinitskii from the ice-breaker *Sedov*, during its drift across the Arctic Basin, 1937-40.

Summary in English.

Copy seen: DLC.

2998. CHAPSKII, K. K. Morskoī zaiātš (*Erignatus barbatus* Fabr.), Karskogo i Barentsova morei. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1938. T. 123, p. 7-70, illus., 2 plates, tables, diags.) *Title tr.:* Bearded seal (*Erignatus barbatus* Fabr.) of Kara and Barents Seas.

A study of the biology of the bearded seal and the sealing trade connected with it; bibliography.

Copy seen: DLC.

2999. CHAPSKII, K. K. Morzh Karskogo moriā; rezul'taty issledovaniia biologii, geograficheskogo rasprostraneniia i zapasov morzha Karskogo moriā i Novoi Zemli. Leningrad, 1936. 124 p. illus. (Leningrad, Vsesoiūznyi arkticheskii institut. Trudy, 1936. T. 67) *Title tr.:* The walrus of the Kara Sea; results of the investigation of the life history, the geographical distribution and stock of walrus in the Kara Sea and Novaya Zemlya.

A study prepared for the Arctic Institute of U.S.S.R., based on data collected in 1930-31; with bibliography.

Summary in English.

Copy seen: DLC.

3000. CHAPSKII, K. K. Nerpa zapadnykh morei Sovetskoi Arktiki; morfologicheskaiâ kharakteristika, biologiiâ, promyshlennoe syr'e. Leningrad, Izd-vo Glavsevmorputi, 1940. 72 p. illus., plate, tables, diagrs. (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy. T. 145)

Title tr.: The ring seal of western seas of the Soviet Arctic; morphological characteristics, biology and hunting production.

A summary of data resulting from several expeditions and information contributed by scientists, hunters and other workers in the Arctic.

Copy seen: DLC.

3001. CHAPSKII, K. K. Noveishie dannye o raspredelenii belomorskoi rasy grenlandskogo tûleniâ vne Belomorskogo basseina. (Problemy Arktiki, 1938, no. 4, p. 105-131, fold. map) *Title tr.:* Most recent data on the distribution of the White Sea type of Greenland seal beyond the White Sea basin.

Discussion of the geographical distribution and migrations of this seal in the eastern arctic seas (especially at the eastern border of Barents Sea, in Kara Sea and Franz Josef Land waters); based on unpublished material from diaries and notes by sailors, zoologists, fishermen, etc., collected by the author over the previous ten years.

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3002. CHAPSKII, K. K. Rasprostraneniye morzha v moriakh Laptevyykh i Vostochnosibirskom. (Problemy Arktiki, 1940, no. 6, p. 80-94) *Title tr.:* Distribution of walrus in the Laptev and East Siberian Seas.

On the basis of available information the author advances the theory that walrus of these two seas form a separate group, being like neither Atlantic nor Pacific walrus.

Copy seen: NNAG.

3003. CHAPSKII, K. K. Sovremennoe sostoiânie i perspektivy osvoeniâ syr'evoi bazy zveroboinogo promysla v moriakh Sovetskoi Arktiki. (Problemy Arktiki, 1939, no. 10-11, p. 68-81) *Title tr.:* The present state of, and the pros-

pects for developing, a source of raw materials by hunting in the seas of the Soviet Arctic.

Present hunting areas for seals, walrus and white whale; recommendations for developing new areas and setting up an authority to foster this.

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3004. CHAPSKII, K. K. Taktika i tekhnika sovetskogo sudovogo zveroboinogo promysla v Arktike. Leningrad, 1934. 122 p., illus., tables. (Vsesoiûznyî arkticheskii institut. Materialy po izucheniû Arktiki, no. 5) *Title tr.:* Tactics and technique of sealing and hunting from vessels in the Soviet Arctic.

Report on two cruises of the sealer, *Leningradsovet*, in the Kara Sea under auspices of the Scientific Research Institute of Ichthyology in 1930 and 1931. Brief description of the ship and its equipment; the cruises; chronometrical tables (between p. 24-25) on the progress of the sealing semi-monthly, July-Sept. 1931 (meteorological conditions, time spent, results obtained, etc.). Detailed description of methods used in hunting pinnipeds on ice and shore, also polar bears (watching for the animal among drift ice, inspection of the ice, use of harpoons and firearms, measures against the animal drowning, catching of the young alive). Preliminary treatment of carcass: skinning on the ice or ashore, lifting to ship deck, cutting of tusks, salting, drying; use of special clothes and knives, etc.

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3005. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936. Le dernier rapport de campagne du "Pourquoi-Pas?" (France. Service hydrographique. Annales hydrographiques, 1937, pub. 1938. Sér. 3. t. 15, p. 1-5, sketch chart) *Title tr.:* The last report of the cruise of the *Pourquoi-Pas?*

The ship encountered exceptionally good conditions on the East Greenland coast in Aug. 1936. The author submitted a brief report early in Sept. and this, together with a letter of Sept. 6, from Iceland is printed here. The ship sank in a storm off west Iceland, during the night of Sept. 15, having only one survivor.

Appended are two papers in honor of the author, lost with his ship: Rouch, J. J.-B. *Charcot marin et explorateur*,

p. 6-15; and Pelissier, L. *J.-B. Charcot océanographe*, p. 16-22.

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3006. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936. *La mer du Groenland, croisières du "Pourquoi pas?".* Paris-Bruges, Desclée, de Bouwer & cie [1929] 3 p. l., [9]-210 p. 27 plates, ports., 7 maps. *Title tr.:* Greenland Sea, cruises of the *Pourquoi-Pas?*

An account of the first and second voyages, 1925-1926, of this famous French naval vessel, and its search for Amundsen and his companions following the *Italia* disaster, in 1928, also chapters on the ice conditions along the East Greenland coast and on ice navigation, on Scoresby Sound, the Eskimo colony established there by the Danes, and the Eskimos of the settlement, on the flight of soaring birds, and the state of the sea during cyclonic storms.

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3007. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" de 1931. (France. Service hydrographique. Annales hydrographiques, 1931-32, pub. 1932. Sér. 3, t. 11, p. 57-141, incl. tables, 3 sketch charts, diags., fold. diagr.) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?* in 1931.

The itinerary of this cruise was from The Faeroes, north of Iceland, to Scoresby Sound, East Greenland and return via Denmark Strait.

The location of sites for stations to be used during the International Polar Year, 1932-33, at Rosenvinge Bay, Liverpool Land, was undertaken, as well as the usual observations en route.

Contents include: Charcot, J. B. Narrative, including ice observations. Gain, L. Search for and description of sites for stations.

Sérène, R. Plankton collections, dredging, land collections, and hydro-gen ion concentration.

Charcot, J. B. Hydrographic tables. Surface temperature, chlorinity, and salinity.

Mercanton, P.-L. Insolation at Scoresby Sound. Atmospheric, optic observations, glaciology and icebergs, sea water density (Rosenvinge Bay),

and geomagnetic observations. (Declination at Jameson Land).

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3008. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1925. (France. Service hydrographique. Annales hydrographiques, 1925-26, pub. 1926. Sér. 3, t. 7, p. 191-289, illus. (tables, 4 charts, diags.) fold. chart) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?*, 1925.

This French naval vessel had made research cruises in European waters for a number of seasons, under the direction of the author, as scientific aide to the Hydrographic Service. This cruise was the first of a series of oceanographic investigations in the waters of East Greenland and in Greenland Sea.

The objectives of the first cruise were to make hydrographic, geologic and biologic observations at as many stations as seemed warranted, to make steady meteorological observations, to make an experimental and analytical study of soaring bird flight, and to survey around The Faeroes, Iceland and Jan Mayen. On Jan Mayen further geomagnetic measurements were to be made at the same positions as had been occupied by the *Pola*, in 1882 and *La Manche* in 1892.

Charcot gives a narrative of the first cruise July-Aug., from Cherbourg to The Faeroes, Jan Mayen, Scoresby Sound, East Greenland, Iceland, and return, with supplementary reports:

Le Conte, P. Report on the hydrography, including tables of position, surface and deep temperature, chlorinity, and salinity, and air temperature.

Chevallier, R. Occurrence of magnetic rocks (including Jan Mayen).

Idrac, P. Atmospheric electricity.

Bailly, P. Natural history. Soaring flight of birds, plankton, bottom sediments and marine fauna (with tables and lists of dredge-hauls).

Note on radio reception, a few sailing directions, and description of ice conditions in Scoresby Sound region.

Discussion of scurvy, and some observations concerning the fisheries.

A fuller account of this voyage appears in the author's *La mer du Groenland*, 1929, q.v. *Copy seen:* DLC.

3009. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1926. (France. Service hydrographique. Annales hydrographiques, 1927-28, pub. 1928. Sér. 3, t. 8, p. 1-97, incl. tables, sketch chart, diagrs., fold. chart) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?* 1926.

Narrative of two cruises, of which the second during July-Aug., included waters off Jan Mayen, the Scoresby Sound region of East Greenland, and Denmark Strait. Charcot gives some details on the ice conditions, the Scoresby Sound region and its Eskimos, supplemented by reports on the kinds of work accomplished in geomagnetism, soaring flight of birds, surface hydrogen ion concentration, plankton, marine and land invertebrates, and geology.

Tables: surface temperature, chlorinity, salinity, and hydrogen ion concentration. *Copy seen:* DLC.

3010. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1928. (France. Service hydrographique. Annales hydrographiques, 1929, pub. 1930. Sér. 3, t. 9, p. 15-85, incl. tables, 6 sketch charts, diagrs.) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?* in 1928.

During this season regular hydrographic, biologic, and geologic observations were made during part of the Greenland Sea cruise, but many days were given over to the search for Amundsen and the French sea plane *Latham-47* lost in the search, mainly in the region 70°-75°N., near the East Greenland coast.

Charcot gives a detailed discussion of the ice belt along the East Greenland coast (with charts) and remarks on techniques of ice navigation. Chapters on problems of acoustic sounding in arctic regions, and supplementary sailing directions for Jan Mayen. Appended are special reports by others:

Le Conte, P. Surface temperature, chlorinity and salinity (tables).

Dangeard, P. Biological research. List of plankton, by stations, and notes on algae.

Dangeard, L. Geological research. Brief notes drift ice and its transport,

on glacier fronts, weathering of rocks, soil formations (solifluction, etc.) and volcanism (in general, in the Arctic).

Charts include itineraries which show scale of visibility, July-Aug., roughly between 70°-75°N. off East Greenland coast. *Copy seen:* DLC.

3011. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1929. (France. Service hydrographique. Annales hydrographiques, 1930, pub. 1931. Sér. 3, t. 10, p. 1-93, incl. tables, diagrs., 3 sketch charts) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?*, 1929.

The first part of the season's work included a trip from The Faeroes to Iceland, thence to Jan Mayen, the Scoresby Sound region of East Greenland, and return via Denmark Strait, taking soundings, and making observations of geomagnetism, meteorology, biology, and hydrography.

Charcot gives a narrative of the voyage supplemented with the following reports:

The functioning and use of the sonic sounding apparatus (bathometer) with a profile of submarine topography between Jan Mayen and East Greenland.

Dollfus, R.-P. Natural history. Marine and land invertebrates from Jan Mayen, and plankton correlated with hydrogen ion concentrations.

Mercanton, P.-L. The altitude of Beerenberg on Jan Mayen.

Mercanton, P.-L. Density determinations by means of the La Cour and Schou pycnosonde.

Mercanton, P.-L. Geomagnetic observations, including Jan Mayen and from a floe in the East Greenland current. Brief note on Glacier du Midi on Jan Mayen.

Tables: Soundings; temperature, chlorinity, salinity and density.

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3012. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1932. (France. Service hydrographique. Annales hydrographiques, 1933. Sér. 3, t. 12, p. 1-61, incl. tables) *Title tr.:* Preliminary report of the cruise of the *Pourquoi-Pas?* in 1932.

The objective of this cruise was to install the French station for the Second International Polar Year, 1932-33, at Scoresby Sound, East Greenland. Participating with the *Pourquoi-Pas?* was the ice-breaker *Pollux*.

Charcot gives an account of the organization, personnel and international cooperation involved in the Second International Polar Year effort of the French, with a succinct summary of the itinerary, and the following brief reports:

Maurain, C., and J. Devaux. Study of the electrical conductivity of the atmosphere en route to Greenland.

Maurain, C., and J. Devaux. Study of atmospheric condensation nuclei, en route to Greenland,

Maurain, C., and J. Devaux. Study of global radiation at Scoresby Sound, 70°30'N.

Parat, M., and P. Drach. Natural history and physical geography. (Plankton en route, marine invertebrates of Scoresby Sound, glaciers on Liverpool and Milne Lands, East Greenland, surface temperature, chlorinity, and salinity en route).

Devaux, J. Study of the ice of land and sea at Scoresby Sound. (Physical properties, structure and formation).

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3013. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1933. (France. Service hydrographique. Annales hydrographiques, 1934. Sér. 3, t. 13, p. 1-86, incl. tables, sketch map, 3 fold, maps) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?* 1933.

The *Pourquoi-Pas?* and *Pollux* evacuated the French Polar Year station during the cruise of 1933, and carried out hydrographic, geologic and biologic investigations at Scoresby Sound and along the Blosseville Coast. Two Cambridge University men were transported to Hurry Inlet by the French, and report briefly here on their work.

This narrative of the cruise includes description of ice conditions; a report by the captain of the *Pollux* on its passage through the ice from Iceland to Scoresby Sound; notes on the soundings (with chart) made in Scoresby Sound and along the Blosseville Coast, and temperature-salinity tables; re-

marks on magnetic sand and brief description of geology, physical geography, glaciers, and fossils of Milne and Jameson Lands and Blosseville Coast.

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3014. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1934. (France. Service hydrographique. Annales hydrographiques, 1935-36, pub. 1937. Sér. 3, t. 14, p. 1-53, incl. tables, diagrs., 3 fold. charts) *Title tr.:* Preliminary report on the cruise of the *Pourquoi-Pas?* in 1934.

During this season, equipment from the Polar Year, 1932-33 station at Scoresby Sound was recovered, an ethnographic and anthropologic expedition to Angmagssalik was transported and installed, and research was continued in the Greenland Sea on biology, geology, hydrography and oceanography.

Charcot gives an account of the cruise, notes on the work accomplished, description of the physical geography of Liverpool Land, and the data and charts of soundings made between Iceland, Scoresby Sound and Angmagssalik. Appended is a special report by others:

Mezin, M., and M. Striffling. Relation between the state of the ice in Greenland Sea and the meteorological conditions.

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3015. CHARCOT, JEAN BAPTISTE AUGUSTE ÉTIENNE, 1867-1936, and others. Rapport préliminaire sur la campagne du "Pourquoi-Pas?" en 1935. (France. Service hydrographique. Annales hydrographiques, 1935-36, pub. 1937. Sér. 3, t. 14, p. 55-100, incl. tables, 3 fold. charts)

During this cruise research was continued along East Greenland coast and around Jan Mayen in the Greenland Sea, and the expedition sent out by the French National Museum of Natural History in 1934, was returned from Angmagssalik.

Charcot gives a narrative of the cruise, with indication of soundings and ice limits, and brief reports as follows:

Victor, P. E. Preliminary report on the French Scientific Expedition to East Greenland, 1934-35.

Parat, M., and C. Devillers. Natural history observations (marine fauna

and botanical collections at Jan Mayen).

Thellier, E. Observations on short wave radio. Surface temperature and salinity. Magnetism of rocks (including Jan Mayen and Angmagssalik).

Charts: (1) soundings around Jan Mayen; (2) soundings and ice in Denmark Strait near Angmagssalik and eastward; (3) environs of Angmagssalik, including Sermilik Fiord.

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3016. CHARLESWORTH, M. P. Arctic travel and warfare in the sixteenth century. (Polar record, July 1943. v. 4, p. 52-60, illus.)

Translation of excerpts from Olaus Magnus', *Historia de gentibus septentrionalibus*. Romae, 1555, which describe foot-wear (skis, crampons, etc.) of the early Finns, and their fortifications built of ice.

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3017. CHARNOLUSKII, V. V. Materialy po bytu loparei. Leningrad, Gosudarstvennoe russkoe geograficheskoe obshchestvo, Karelo-Murmanskaiâ Komissia, 1930. 175 p., 30 illus., 11 tables, fold. map. *Title tr.:* Materials on the customs of the Lapps.

Contains a detailed account of the material culture of the Lapps of Kola Peninsula, result of the Lapland expedition of 1927. Includes data on the geography, climate, flora, fauna, of the eastern part of Kola Peninsula, Lapp methods of reindeer husbandry, dwellings, hunting, tools, modes of transportation, and some Lapp terms translated into Russian. *Copy seen:* NN.

CHARNOLUSKII, V. V. Zametki o past'be . . . u loparei, see No. 3079

CHARTERS, EMMA M., see Jackson, H. T. H., & others. Literature on natural history of Alaska & Canada. 1949.

3018. CHASE, WALTER G. Notes from Alaska. (Journal of American folk-lore, 1893. v. 6, p. 51-53)

Notes on customs of the Tlingit Indians, resulting from the author's journey among them in 1886.

Copy seen: DLC.

CHATELAIN, EDWARD F., see Nelson, U. C., & others. Waterfowl breeding ground survey in Alaska, 1949. 1949.

3019. CHAUDOIR, MAXIMILIEN de, Baron, 1817-1881. Genres nouveaux et espèces nouvelles de Coléoptères de la famille des Carabiques. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', 1837. T. 10, no. 7, p. 3-48)

Title tr.: New genera and new species of Coleoptera of the family Carabidae.

Contains Latin diagnosis of *Leirus eschscholtzii*, native to Kamchatka Peninsula.

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3020. CHAUSOV, A. K. Materialy po zimnemu gidrologicheskomu rezhimu Chaunskoi guby. (Leningrad. Vsesoiuznyi Arkticheskii institut. Trudy, 1937. T. 88, p. 55-67, tables, diagrs.) *Title tr.:* Materials on hydrological conditions in Chaun Bay in winter time.

A study of variations in temperature and salinity at the surface and various depths in the bay (by vertical sections), based on data collected by the Litke (July 29, 1934) and the hydrologist A. P. Shumskii (Feb. 5-May 19, 1935).

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3021. CHAVANNE, JOSEF, 1846-1902. Das arktische Festland und Polarmeer. (Petermanns geographische Mitteilungen, 1874. Bd. 20, p. 241-52) *Title tr.:* Arctic land and polar sea.

Discussion of the then perplexing question as to the extent of land in the Arctic, involving the meteorological knowledge derived from explorations, and the current systems in the several seas, basins and straits,

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3022. CHAVANNE, JOSEF, 1846-1902. Die Eisverhältnisse im arktischen Polarmeer und ihre periodischen Veränderungen. (Petermanns geographische Mitteilungen, 1875, Bd. 21, p. 134-42, 245-80, fold. diagr.) *Title tr.:* Ice conditions in the arctic seas and their periodic variations.

Contains discussion of the effects upon ice conditions of (1) coastal configuration, (2) bottom relief, (3) the extent, direction, speed and thermal character of ocean currents, (4) the annual and secular changes of temperature, their periodic and non-periodic variations, and (5) the air currents in respect to their coordination with, or counteraction against ocean currents, the annual distribution and variations of the wind.

Tables of ice conditions based on observations in the literature, 1517-

1874, for the Barents, Kara, East Siberian, Bering, and Greenland Seas, and for Baffin Bay and Smith Sound.

Discussion of the relation between ice conditions and auroras.

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3023. CHAVANNE, JOSEF, 1846-1902, and others. Die Literatur über die Polar-Regionen der Erde. Hrsg. von der K. K. geographischen Gesellschaft in Wien. Wien, E. Hölzel, 1878. xiv, [2], 335, [1] p. *Other authors:* A. Karpf and Franz Le Monnier. *Title tr.:* The literature on the polar regions of the earth.

Basic reference work, the first comprehensive bibliography of works on the polar regions.

Contains preface (in German and English) and 6617 items published since the 16th century, on the Arctic, subarctic and Antarctic; arranged in thirty-three regional sections by subjects, with chronological listing of books, papers in journals, etc., and maps; author index.

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3024. CHAVANNE, JOSEF, 1846-1902. Das Nordlicht und seine Beziehungen zu den Temperatur- und Eisverhältnissen der arktischen Polarregion. (Verein zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien. Schriften, 1875/76, pub. 1876. Bd. 16, p. 439-78, fold. plate) *Title tr.:* Aurora borealis and its relation to temperature and ice conditions of the north polar region.

Discussion of frequency, intensity, extent, periodic variation, direction of visibility and origin of the light in auroras, and a correlation of these with occurrence of large amounts of ice and with climate.

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CHAVANNE, JOSEF, 1846-1902, see also Petermann, A. H., & others. Zweite Österreichisch-ungarische Nordpolar-Expedition. 1872-4. 1874.

3025. CHEBOKSAROV, N. N. Ėtnogenez komi po dannym antropologii. (Sovetskaja étnografiya, 1946, vyp. 2, p. 51-80) *Title tr.:* The ethnogenesis of the Komi in light of physical anthropology.

Contains a description of two anthropological types among the Zyryans and Permians (self name: Komi), and

comparative data among the neighboring tribes. Two maps show the distribution of racial variants and photographic illustrations of representative types are given. This material is contrasted with the historical data on the settling of the area now occupied by the Komi. The migrations of various groups are traced and the history of the region and the population is tentatively reconstructed. Four pages of tables of physical measurements and traits for the Komi group are given, as well as comparative tables with the Russian, Voguls and Samoyeds.

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3026. CHEBOKSAROV, N. N. Gruppy krovi i dal'tonizm u komi. (Antropologicheskii zhurnal, 1936, no. 4, p. 396-413, tables) *Title tr.:* Blood groups and color blindness among the Komi.

Contains results of field study by the author and G. Debets among the Zyryans of the Komi A.S.S.R.; comparative data on blood groups and color blindness among other groups. Bibliography (40 items).

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3027. CHEBOTAREV, A. N. K voprosu etiologii tak nazyvaemoi "kopytnoi bolezni" severnykh olenei (Leningrad. Nauchno-issledovatel'skii institut pol'narnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenovodstva, 1940. Vyp. 9, p. 7-52) *Title tr.:* On the etiology of the so-called "hoof disease" of reindeer.

Results of a study conducted for the Leningrad Institute of Polar Agriculture, Animal Husbandry, Fishing and Hunting Industry, 1937-38.

Summary in English.

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3028. CHEBOTAREV, A. N. Opyty primeneniia serologicheskoi diagnostiki nekrobat'silleza olenei. (Leningrad. Nauchno-issledovatel'skii institut pol'narnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenovodstva, 1941. Vyp. 15, p. 9-27) *Title tr.:* Experiments in applying serologic diagnosis to reindeer necrobacillosis.

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3029. CHEBOTAREVSKII, A. Kul'turnye bazy komiteta Severa. (Sovetskii Sever, 1930, no. 1, p. 117-24) Title tr.: The cultural bases of the Committee of the North.

Notes on cultural bases for natives of the Soviet North, established or projected in the first Five Year Plan. Their tasks and activities.

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3030. CHECHULIN, A. S. Nablūdeniia za krupnym morskim zverem s borta ledokola "Krasin" vo vremia ēkspeditsii v Beringovo i Chukotskoe moriia v 1934 g. (Severnyi morskoi put', 1936. No. 5, p. 83-89, map) *Title tr.:* Observations on large marine animals from the ice-breaker *Krasin*, during the expedition to Bering and Chukchi Seas in 1934.

Observations on the occurrence of walrus and polar bears (near Herald Island) as well as some description of ice conditions.

Summary in English.

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3031. CHEKANINSKII, I. Sledy shamanskago kul'ta v rusko-tungusskikh poseleniiaakh po reke Chune v Eniseiskoi gubernii. (Ėtnograficheskoe obozrēnie, 1914, no. 3-4, p. 61-80) *Title tr.:* Traces of the shaman cult in the Russo-Tungus settlements along the Chuna River in Yenisey Province.

Contains results of the author's investigations of the alleged veneration of the statue of a horse, by the mixed population along the Chuna River; includes 19 verbatim replies, with scattered references to the Tungus religion.

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3032. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Dnevnik ēkspeditsii Aleksandra Lavrent'evicha Chekanovskago po riĕkam Nizhnei Tunguskē, Oleneku i Lenē v 1873-75 godakh. Sanktpeterburg, 1896. iii, 1 p. l., 298 p. illus., port., fold. sketch map. (Vsesoiūznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii. T. 20, no. 1) *Title tr.:* Alexander Lavrent'evich Chekanovskii's diary of his expedition along the Lower Tunguska, Olenek, and Lena Rivers in 1873-75.

A biographical sketch of the explorer (p. 1-15); his report on the expedition to the Geographical Society; a bibliography of results (25-27). Account of the exploration of Nizhnyaya Tunguska in 1873 (p. 28-123), letters describing the route to the junction of the Upper Tomba River with the Olenek, day-by-day journal (June 29-July 27, 1874) of the work along the Olenek to

its junction with the Kutingna River, and the journal of the Lena Expedition (June 8-Sept. 27, 1875, north of Yakutsk). The material includes expedition events, physical geography along the route, brief notes on the animals and vegetation, size of trees in the Olenek basin (p. 176-77), and particularly the nature of the outcrops along the banks of the rivers explored. *Route map* from Ayakit (on the Lena) to the mouth of the Olenek. Scale about 1:800,000.

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3033. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Dopolnitel'nyiia sviēdeniia k kartē riĕki Nizhnei Tunguzki. (Vsesoiūznoe geograficheskoe obshchestvo. Izviēstiia, 1876, T. 12, p. 403-415, fold. map) *Title tr.:* Information supplementary to the map of the Nizhnyaya Tunguska River.

The geography of the region and its Tungus inhabitants, on the basis of the author's expedition (1873). *Map* of the Nizhnyaya Tunguska and parts of Olenek, based on the latest geodetic determinations, exploration, and questioning. Scale about 1:6,300,000.

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3034. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Izviēstiia ot g. Chekanovskago. (Vsesoiūznoe geograficheskoe obshchestvo. Izviēstiia, 1873, T. 9, p. 360-65) *Title tr.:* News from Mr. Chekanovskii.

Letter to the secretary of the Geographical Society on the expedition's work along the Nizhnyaya Tunguska north of Erbogachen (61°16'N.) to about 63°30'N., mainly about the rocks and mountains of the area (June 23-July 19, 1873).

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3035. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Ocherk geograficheskoi dīatelnosti. (Vsesoiūznoe geograficheskoe obshchestvo. Izviēstiia, 1876, T. 12, p. 487-94, fold. map) *Title tr.:* An outline of geographic work.

A general report (published posthumously) on the results of his exploration in the region of the Nizhnyaya Tunguska, Olenek, and Lena Rivers (1873-75), particularly the geologic work. *Map* (issued, with a note, at end of t. 13, vyp. 1) of the Lena and Yana basins from 62°N. to 71°N. approximately, showing geodetic deter-

minations and the route of the 1875 expedition. Scale about 1:2,100,000.

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3036. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Olenekskaya ékspeditsiia. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1874-75, T. 10, p. 327-41, t. 11, p. 148-51, 322-42, 2 fold maps) *Title tr.:* The Olenek Expedition.

Three letters from the leader to the secretary of the Geographic Society.

1. Narrative of overland journey from Nizhnaya Tunguska to Olenek, with information on land forms and the northern limits of trees by species.

2. Brief account of the work done and conditions of travel down the Olenek by raft to Osenovka (70°28'15"N.).

3. Narrative, beginning where the first letter left off, with information on distances to and along the Olenek (p. 324-341), the physical geography and the rocks of its basin (p. 326-29), vegetation (with a table showing diminution of size of larches and firs in the more northern latitudes, p. 330), the Yakuts, travel north of 70°28'15"N. and back, with the geology of that area and the paleontology of the Verkhoyansk Range (p. 338-40).

Maps 1. Route from Nizhnaya Tunguska to Olenek Rivers, scale about 1:4200,000.

2. The Olenek and its tributaries, showing geodetic determinations, routes (including that of the expedition), and Yakut settlements, scale as above.

Copy seen: DLC (maps at end of volumes).

3037. CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1876. Predvaritel'nyi otchet o Lensko-Olenekskom puteshestvii A. L. Chekanovskago i S. I. Venglovskago. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1876, T. 12, p. 161-171) *Title tr.:* Preliminary report on the Lena-Olenek expedition of A. L. Chekanovskii and S. I. Venglovskii

Summary of the study of Mesozoic deposits at the headwaters of the Olenek and in the vicinity of Verkhoyansk in 1874, which led to the 1875 expedition down the Lena to Ayakit (about 71°N.), whence the explorers crossed to the mouth of the Olenek on reindeer, returning after the Lena had frozen

(Oct. 11). Narrative of that expedition, with principal results in geology, botany, and entomology.

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CHEKANOVSKII ALEKSANDR LAVRENT'EVICH, 1832-1876, *see also* Kostyleva, E. E. Mineraly Nizhnei Tunguzki. 1916.

CHEKANOVSKII ALEKSANDR LAVRENT'EVICH, 1832-1876, *see also* Trautvetter, E. R. v. Plantas Sibirieae borealis. 1877.

3038. CHEKHOV, VLADIMIR PETROVICH, 1871- Kariostematischeskii ocherk triby Galegeae Bronn. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Biologicheskii nauchno-issledovatel'skii institut. Trudy, 1935, T. 1, p. 143-96, 6 plates) *Title tr.:* Karyo-systematic sketch of the tribe Galegeae Bronn.

Contains a karyo-systematic study of the genera of the tribe Galegeae, a list of one hundred twenty-one species of these legumes, with tabulated data on the numbers of their chromosomes and geographical distribution; includes one arctico-alpine species — *Astragalus oroboides*, occurring in Europe and Asia; bibliography (38 items). Summary in German.

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3039. CHEKOTILLO, ANDREI MARKOVICH, 1886- Bor'ba s naled'iami. (Priroda, 1946, no. 1, p. 20-28) *Title tr.:* Measures against naled'.

Describes two sets of measures (on the basis of practical experience during construction of the Amur-Yakutsk highway) against ground and river naled'; remarks also on construction of "frozen belts", diversion or change of the course of source water, raising the temperature of river beds, and practical measures to be taken during excavations, fills, etc.

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3040. CHEKOTILLO, ANDREI MARKOVICH, 1886- Gigantskie naledi severo-vostochnoi Sibiri. (Nauka i zhizn', 1945, vyp. 1, p. 26-29) *Title tr.:* The gigantic naled' of north-eastern Siberia.

Contains description of the formation of naled' of both river and ground type; examples of gigantic naled' between the Yana and Indigirka Rivers in the Yakut A.S.S.R., citing the Kyra naled' discovered by Maïdel, and the

Ulukhan-Taryn naled' discovered in 1931. Describes the attempts to utilize the naled' and the underground waters feeding them, as a source of needed water supply in winter.

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3041. CHEKOTILLO, ANDREI MARKOVICH, 1886- . Podzemnye khranilishcha v vechnomerzloï tolsheche. Priroda, 1946, no. 11, p. 27-32) *Title tr.:* Underground storage in the permafrost.

Contains suggestions for construction of two types of underground storage places in the layers of permanently frozen ground: (1) unlined chamber for short periods, (2) log-lined unit with insulation for long-range storage; description and diagrams of storage places at Ust-Yenisey Port and at the Igarka Permafrost Station. Bibliography (12 items).

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3042. CHEKOTILLO, ANDREI MARKOVICH, 1886- . Primenenie snega, l'da i merzlogo grunta v fortifikatsii. Moskva, Voennoe izd-vo narodnogo komissariata oborony, 1943. 33 [3] p. illus., diags. *Title tr.:* Use of snow, ice and frozen soil in fortification.

Constructional properties of these substances; methods of using each to build strong-points; anti-thaw precautions. Bibliography.

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3043. CHEKOTILLO, ANDREI MARKOVICH, 1886- . Primenenie snega, l'da i merzlykh gruntov v stroitel'nykh tseliakh. Moskva-Leningrad, Izd-vo Akademii nauk SSSR, 1945. 62, [2] p., illus., diags. *Title tr.:* Use of snow, ice and frozen soils for construction.

Contains (a) data on the physical-mechanical and constructional properties of snow, ice and frozen ground; (b) results of their practical use for construction purposes (experiences of various arctic explorers and M. M. Krylov at various places including Vorkuta; (c) technical instructions; (d) methods of protecting such constructions from melting; (e) instructions for using buildings made out of snow, ice, and frozen ground. The principal use of such constructions is as storage places to preserve vegetables and other perishable foods. Bibliography (76 items).

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3044. CHEKOTILLO, ANDREI MARKOVICH, 1886- . Solving the problem of "nalyeds" in permafrost regions. (Engineering news-record, Nov. 28, 1946. v. 137, p. 62-65, diags.) Written for publication through the American-Soviet Science Society, and translated from the Russian by G. P. Tschebotarioff.

Detailed description of naled's formed by surface water and by river water, with a summary of modern methods of combating the problems which these surface ice formations create in road and building construction.

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CHEKOTILLO, ANDREI MARKOVICH, 1886- , *see also* Obruchev, V. A., & A. M. Chekotillo. M. I. Sumgin. 1943.

CHEKOTILLO, ANDREI MARKOVICH, 1886- , *see also* Obruchev, V. A., & A. M. Chekotillo. Pamfati M. I. Sumgina. 1944.

CHEKOTILLO, ANDREI MARKOVICH, 1886- , *see also* Sumgin, M. I., & others. Vodosnabzhenie zheleznykh dorog. 1939.

CHELUSKIN, SEMEN, *see* Midden-dorff, A. T. Puteshestvie na sever i vostok Sibiri. 1860-78.

3045. CHELUSKIN EXPEDITION, 1833-1934. The voyage of the Chelyuskin, by members of the expedition; translated by Alec Brown. New York, Macmillan Co., 1935. xii, [1] p., 1 l., 325 p. front., illus., plates, ports., 8 maps (1 double)

This book is a translation of *Dnevnik cheluskintsev*, 1935, q.v., in the first chapter only; following chapters differ including rather more scientific and rather less general information. The material is drawn apparently from O. Iu. Schmidt's *Pokhod Cheluskina*, 1935, q.v.

Narratives and diaries of scientists and crew dealing with *Cheluskina's* attempt to sail along the Northern Sea Route from Leningrad to Vladivostok (1933-34). The events leading to the sinking of the ice-breaker in the Chukchi Sea on Feb. 13, 1934, the life of the participants in a temporary camp on the drifting ice, and their rescue by air two months later are given in detail; some data on temperature, soundings, the measurements of ice

waves, analysis of plankton, and observations of animal life along the route are included. Chapter by O. Schmidt, the leader of the expedition, indicates the scope of the work.

Contents: Pt. 1. The *Chelyuskin's* story. Pt. 2. The airmen's stories.

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3046. CHEMNITZ, J., and others. Faareavl og kohold i Grønland. (Grønlandske selskab. Aarskrift, 1919, p. 30-47, illus. tables) *Other authors:* Bertha Bentzen, L. Walsøe. Chr. Simony and Morten P. Porsild. *Title tr.:* Sheep raising and cattle breeding in Greenland.

Contains various opinions on the practical possibilities for scientific sheep and cattle raising in West and South Greenland, together with contribution by Morton P. Porsild on experiments in grass planting at the Arctic Station, Disko, on species for fodder, indigenous plants, etc.

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CHENG, C., *see* Brown, W. W., & C. Cheng. Investigations into the food of cod & haddock. 1946.

3047. CHEREVICHNYI, I. I. Glubokie aviarazvedki na trassee Severnogo morskogo puti. (Sovetskaya Arktika, 1939, no. 12, p. 49-51, illus.) *Title tr.:* Aerial reconnaissance in high latitudes along the Northern Sea Route.

Discussion of the importance of aerial reconnaissance penetrating far north over the arctic seas. Author notes that such "strategic" reconnaissances were initiated in 1939 over Kara Sea, and urges their extension to other seas within the limits 80°-82°N. 60°-170°E.; suggests also that ice scouting begin before the navigation season opens.

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3048. CHEREVICHNYI, I. I. Tam, gde ne stupala noga cheloveka. (In: Ekspeditziia na samoletu "SSSR-N-169" v raion "Poliusa Nedostupnosti". Nauchnye rezul'taty, 1946, p. 28-36, plate) *Title tr.:* Where man has not set foot before.

Account (by the pilot of SSSR-N-169) of landings and take-offs on ice in the so-called Region of Inaccessibility, April, 1941. Summary in English.

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CHERKASOV, F. M., *see* Balakhovskii, S. D., & others. Novyi metod lecheniia. 1935.

3049. CHERKESOV, V. I. Verkhnesiluriiskie korally rugosa iz doliny Rusanova na Novoï Zemle. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 155-59) *Title tr.:* Upper Silurian *Rugosa* from the Rusanov valley in Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences U.S.S.R., 1925. Description of five species of *Rugosa* corals collected in Rusanov valley and conclusion of the author that their age is that of the upper horizons of the Upper Silurian. Summary in English.

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3050. CHERMOCK, F. H. Some new North American Lycaenidae. (Canadian entomologist, Nov. 1944. v. 76, p. 213-16)

The three new species and eight new races of butterflies here described, include *Plebeius scudderii alaskensis* from Alaska and Yukon Territory, and *P. s. subarcticus* from Great Slave Lake region.

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3051. CHERNENKO, M. B. Pokhod "Murmantsa". (Sovetskaya Arktika, 1938, no. 8, p. 74-84, illus.) *Title tr.:* Cruise of the *Murmanets*.

Account of the cruise of the sailing ship *Murmanets* in Greenland Sea, to maintain radio communication with the Drifting Station "North Pole" and make observations on the border of the ice field in which the station was situated.

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CHERNENKO, M. B., *see also* Khvat, L. B., & M. Chernenko. Geroicheskiï dreif *Sedova*. 1940.

CHERNENKO, M. B., *see also* Zubov, N. N., & others. Arkticheskie navigatsii. Sbornik pervyi. 1941.

3052. CHERNENKO, M. B., and T. D. SELIAVINA, editors. Poliarniki v otechestvennoï voine. Moskva, Leningrad, Izd-vo Glavsevmorputi, 1945. 260 p., illus. *Title tr.:* Polar workers in the fatherland's war.

Outline of activity in Soviet Arctic, 1941-44; biographical sketches, including war adventures of twenty-seven polar workers.

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3053. CHERNENKO, M. B., and T. D. SELIAVINA, editors. Rasskazy Sedovtseva. Moskva, Leningrad, Izd-vo Glavsevmorputi, 1940. 480 p., illus. (Zapiski o zhizni i rabote na ledokol'nom parokhode Georgii Sedov dreifovavshem s

23 oktiabriâ 1937 g. po 13 ianvariâ 1940 g. v Severnom Ledovitom okeane) *Title tr.*: Tales of the Sedovites. (Notes on the life and work of drifting ice-breaker *George Sedov* from October 23, 1937 to January 13, 1940, in the Arctic Ocean).

Stories by members of *Sedov* drift expedition, 1937-40.

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3054. CHERNETSOV, V. N. Chum. (Sovetskaiâ étnografiâ, 1936, vyp. 6, p. 85-92, 12 illus.) *Title tr.*: "Chum" [Siberian conical tent].

Contains detailed description of the method of constructing and setting up the "chum" — a conical tent used by the Samoyeds and later adopted by the Voguls, Ostyaks and Zyryans.

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3055. CHERNETSOV, V. N. Zhertvo-prinoshenie u vogulov. (Étnograf-issledovatel', 1927, no. 1, p. 21-25) *Title tr.*: Sacrifices among the Voguls.

Contains a description of the sacrificial ceremonies among the Voguls, data on the Vogul pantheon, wooden representations of deities and spirits, and native accounts of recent sacrifices.

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3056. CHERNIAK, B. L. Severnye mashinno-promyslovye stantsii. (Sovetskaiâ Arktika, 1936, no. 7, p. 24-26, illus.) *Title tr.*: Northern mechanical-industrial stations.

Plans for constructing a new type of complex station to give technical education and training in the Chukotsk, Yamal, and Bulun regions in 1936.

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3057. CHERNIAVSKII, VLADIMIR, IVANOVICH. Monografiia Mizid preimushchestvenno Rossiiskoi Imperii. Vyp. 2, 3. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1882-87. T. 13, vyp. 1, p. 1-85, plates 1-4; (vyp. 3) T. 18, vyp. 1, p. i-viii, 1-102, plates 5-32) *Title tr.*: Monograph of Mysidae chiefly of the Russian Empire, No. 2, 3.

Contains a monographic treatment of one hundred thirty-two species (thirty-seven new) of small shrimp-like crustaceans of the family Mysidae, with keys, synonymy, Latin diagnoses and data on distribution, chiefly in Russia, including arctic seas and regions of Europe and Asia; list of synonyms, bibliographical supplement (16

items) and table of contents for the whole work, of which No. 1 has not been located for this Bibliography.

Copy seen: CU (No. 2); DLC (No. 3.)

3058. CHERNIGIN, N. F. Novaiâ tekhnika na Kamchatke. (Rybnoe khoziaistvo, 1948. G. 24, no. 11, p. 10-12, diags.) *Title tr.*: New techniques on Kamchatka.

Brief description of experimental devices for facilitating the processing of fish, including use of suction pipes for conveying herring from trap to shore, and within a factory, a combination of net, electrode, and suction pipe for salmon fishing in rivers, two devices for the automatic cleaning and salting of salmon, and extensive use of conveyor belts.

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3059. CHERNIGOVSKII, N. T. Aktinometricheskie nablûdeniia. (In: Ékspedit͡siia na samoletе "SSSR-N-169" v raion "Pol'usa Nedostupnosti". Nauchnye rezul'taty, 1946, p. 155-61, tables, diags.) *Title tr.*: Actinometric observations.

Results of the expedition of the airplane N-169 into the so-called "Region of Inaccessibility". Total and diffused radiation measurements taken on Floe no. 1, (81°32'N. 180°E. or W.) Apr. 4-8, 1941; Floe no. 2 (78°26'N. 176°20'W.) Apr. 14-16, 1941; and on Floe no. 3 (79°56'N. 169°55'W.) Apr. 23-28, 1941. Radiation penetration through snow was measured Apr. 24-28, 1941 on Floe no. 3.

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3060. CHERNIGOVSKII, N. T. Meteorologicheskie nablûdeniia. (In: Ékspedit͡siia na samoletе "SSSR-N-169" v raion "Pol'usa Nedostupnosti". Nauchnye rezul'taty, 1946, p. 124-41, plate, tables, diags.) *Title tr.*: Meteorological observations.

Routine meteorological observations taken every three hours at the following points and during follow. periods: Floe no. 1, mean location 81°32'N. 180°E. or W., Apr. 3-8, 1941; Floe no. 2, mean location, 78°26'N. 176°20'W., Apr. 13-17, 1941; and Floe no. 3, mean location 79°56'N. 169°55'W. Instrumentation of work is briefly discussed.

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3061. CHERNIGOVSKII, N. T. Nekotorye dannye k gidrologii proliva Matochkin Shar. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T.

44, p. 7-30, tables, diagrs.) *Title tr.*: Data on the hydrology of Matochkin Shar Strait.

Deep-sea observations from twenty-five stations on ice and boats Dec. 1932-Oct. 1933, in the eastern (Kara Sea) section of this strait across Novaya Zemlya. Summary in English.

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3062. CHERNIGOVSKII, N. T. Neskol'ko dannyykh po gidrologii melkovodnoi chasti Karskogo moria. (Problemy Arktiki, 1939, no. 10-11, p. 13-20, illus., table, diagrs.) *Title tr.*: Some data on the hydrology of the shallow section of Kara Sea.

Results of observations on the temperature-salinity régime of water near the coast of Uyedineniya Island, carried out by the author and some other hydrologists, 1934-38.

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3063. CHERNIGOVSKII, N. T. Neskol'ko opytov nad radiatsionnymi svoistvami snega i l'da Karskogo moria u ostrova Uedineniia v 1935 g. (Arctica, 1936, No. 4, p. 137-42, illus.) *Title tr.*: Some experiments on the radiation properties of the snow-cover and the ice of the Kara Sea carried out on Lonely Island.

Description and discussion of experiment conducted at Uyedineniya Island (77°28'N. 82°28'E.), Mar. 31-July 7, 1935. Summary in English.

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3064. CHERNIGOVSKII, N. T. O radiatsionnykh svoistvakh snega i l'da v prolive Borisa Vil'kit'skogo u mysy Chel'uskina. (Problemy Arktiki, 1938, no. 1, p. 47-51) *Title tr.*: On the radiation properties of snow-cover and ice in Boris Vilkit'sky Strait at Cape Chel'uskin.

Albedos of snow and ice surface at Cape Chelyuskin were determined for various states of cloudiness in the spring and summer of 1937 as well as the albedo for sea-surface ice during July 1937. All results are considered preliminary. Summary in English.

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3065. CHERNIGOVSKII, N. T. O radiatsionnykh svoistvakh snogovogo pokrova i l'da arkticheskikh morei. (Problemy Arktiki, 1939, no. 6, p. 31-38) *Title tr.*: Radiation penetrating the snow and ice cover of arctic seas.

The amount of radiation penetrating

snow and ice covers of specified depths during various states of cloudiness and for various 10 degree elevations of sun are calculated on the basis of radiation measurements made at Lonely Island (ostrov Uyedineniya in Kara Sea, Cape Chelyuskina, Cape Shmidt and Tiksi Bay at various times during 1935-38.

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3066. CHERNIGOVSKII, N. T. Opyt opredeleniia radiatsionnogo balansa Arkticheskikh morei. (Problemy Arktiki, 1940, no. 5, p. 23-34, diagr.) *Title tr.*: An attempt to determine the radiation balance in arctic seas.

Solar radiation observations at Cape Chelyuskin during 1937-38, and at Tiksi Bay 1935-37, are the basis for determining the radiation régime over the Laptev Sea; Cape Shmidt, 1936-37, and Cape Dezhneva (East Cape) and Lawrence Bay, 1932-33, for the Chukchi Sea; and the drift of the Maud in 1923 and 1925, for the East Siberian Sea. Intensities of direct and diffused radiation and amount of effective terrestrial radiation (in gr. cal./cm²/min.) and the monthly sums according to state of cloudiness as well as albedo values for various types of ice and snow surface are determined. The Laptev Sea has the least annual total of radiation balance or less than 6 per cent of incoming radiation; the East Siberian Sea has a balance of 7 per cent and the Chukchi 8 per cent (Kara Sea, 12 per cent).

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3067. CHERNIGOVSKII, N. T. Opyt opredeleniia radiatsionnogo balansa Karskogo moria. (Problemy Arktiki, 1940, no. 3, p. 92-97, tables) *Title tr.*: Experimental calculations of radiation of the Kara Sea.

In calculating monthly and seasonal balances, albedos were determined for land, water, ice and snow surfaces, or combinations of these, as well as outgoing terrestrial radiation during various types of cloudiness (clear days, and cloudy days in intermediate and lower layers) at four stations: Matochkin Shar and Cape Zhelaniya (Novaya Zemlya) Cape Chelyuskin and Lonely Island (ostrov Uyedineniya) in Kara Sea.

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3068. CHERNIGOVSKII, N. T. Pervye zhiteli ostrova Uedineniia. (Sovetskaiia Arktika, 1936, no. 5, p. 77-80, illus.)

Title tr.: The first inhabitants of Uyedineniya Island.

Experiences of a member of the first wintering party on the island (77°28' N. 82°28'E.) in 1934.

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3069. CHERNIGOVSKII, N. T. Piät' let raboty poliärnoi stantšii na myse Cheliŭskina. (Problemy Arktiki, 1938, no. 1, p. 154-57) **Title tr.:** Five years' work of the Cape Chelyuskin polar station.

Short account of routine and scientific work at this Arctic Institute U.S.S.R. station, 1932-37.

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3070. CHERNIGOVSKII, N. T. Sostoianie l'da v prolive Matochkin Shar i privileaŭshchei chasti Karskogo moriä v 1931-1933 gg. (Leningrad. Vsesoiŭznyi arkticheskiĭ institut. Trudy, 1936. T. 44, p. 31-59, tables, diagrs.) **Title tr.:** Ice conditions in Matochkin Shar Strait and the adjoining part of Kara Sea in 1931-33.

Data from daily observations conducted from land by the Polar Geophysical Observatory at Matochkin Shar, Novaya Zemlya. Summary in English.

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3071. CHERNIGOVSKII, N. T., and A. N. ZOLOTOV. Priliv y ostrova Uedineniä. (Leningrad. Vsesoiŭznyi arkticheskiĭ institut. Trudy, 1937. T. 81, p. 33-40, illus., tables, diagrs.) **Title tr.:** Tides at Uyedineniya Island.

Observations made for the Arctic Institut of U.S.S.R., Nov. 25-Dec. 29, 1934 and June 25-July 24, 1935, at so-called Lonely Island in Kara Sea about 77°28'N. 82°28'E.

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CHERNIGOVSKII, V. N., see Arkhangel'skaia, N. A. & others. K fiziologii kholodovogo staza. 1943.

3072. CHERNIK, G. P. Analiz odnogo evdialita iz Khibinskikh tundr i produkta ego izmeneniä. (Akademiä nauk SSSR. Bulletin, nov.-déc., 1925. Sér. 6, t. 19, p. 711-20, tables) **Title tr.:** Analysis of an eudialite from the Khibiny Tundras and the product of its change.

The chemistry of specimens brought back by the Fersman Expedition to the Khibiny Mts. (1922).

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3073. CHERNIK, G. P. Khimicheskoe issledovanie kal'tsievogo antšilita i soprovozhdaŭshchikh ego mineralov iz Khibinskikh tundr. (Akademiä nauk SSSR. Bulletin, jan.-déc., 1923. Sér. 6, t. 17, p. 81-94, tables) **Title tr.:** Chemical analysis of calcium ancylite and associated minerals from the Khibiny Tundras.

Study based on minerals of the Khibiny Mts. found by group led by A. E. Fersman for the Northern Scientific and Economic Expedition in 1922. Author gives the chemical analyses of calcoancylite, yttrocerite, and a new mineral from the zeolite division.

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3074. CHERNIK, G. P. Khimicheskoe issledovanie minerala mozandritovoi gruppy iz zhily Indichvumchorra v Khibinskikh tundrach. (Leningrad. Nauchno-issledovatel'skii institut po izucheniu Severa. Trudy, 1923. Vyp. 16, p. 54-55) **Title tr.:** A chemical investigation of a mineral belonging to the mosandrite group from the Indichvumchorra in Khibiny Tundras. Results of a chemical analysis.

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3075. CHERNIKOV, Pescha (Pjuschka), Tscheskaja-Bucht (Nördliches Eismeer). (Annalen der Hydrographie und maritimen Meteorologie, Juni 1913. Jahrg. 41, p. 311) **Title tr.:** Pyusha, Cheshskaya Bay (Arctic Ocean).

A few notes, translated from Russian, on the navigation of waters at the mouth of the Pyusha River (about 67°N. 48°E.) in this arm of Barents Sea.

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3076. CHERNIKOV, A. A. K. Tšivol'ka (1839-1939). (Sovetskaiä Arktika, 1939, no. 4, p. 107-110, illus.) **Title tr.:** A. K. Tšivol'ka (1839-1939).

Biographical sketch of this Russian explorer, participant in three expeditions to Novaya Zemlya: that led by Pakhtusov in 1834-35, by Baer in 1837, and his own in 1838-39, during which he died.

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3077. CHERNIKOV, A. "Sekretnyi voiazh" k Medvezh'im ostrovam. (Sovetskaiä Arktika, 1940, no. 4, p. 78-81, illus.) **Title tr.:** "Secret journey" to Bear Islands.

Description of the search, by Sergeant Andreev and others in 1763 and

1769, for land supposed to be north from Kolyma River mouth and west of Wrangel Island, the so-called Zemlya Andreeva. The expedition visited the Bear Islands (Ostrova Medvezhi, 70°-50'N. 161°36'E.) and prepared a map of the region, now in the Archives of the Academy of Sciences, U.S.S.R.

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3078. CHERNOGUBOV, N. G. Tekhnicheskii otchet po vzryvnym rabotam vo l'dakh Arktiki. (*In:* U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetским flagom. 1935. p. 207-232, illus., map) *Title tr.:* Technical report on work with explosives in the Arctic.

A study made during the voyage of the ice-breaker *Sadko* in Kara Sea, 1934, on using explosives for ice-breaking, and information on methods with various types of explosives used by ice-breakers in arctic seas.

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3079. CHARNOLUSKII, V. V. Zametki o past'be i organizatsii stada u lopareĭ. (Akademiia nauk SSSR, Komissiiia ekspeditsionnykh issledovaniĭ. Materialy, 1930. Vyp. 23, Seriia severnaia. Kol'skii sbornik, p.23-69, illus., fold. table) *Title tr.:* Remarks on the pasturage and herd organization of the Lapps.

Observations made by the anthropological and ethnological party of the Kola Peninsula Expedition, 1928.

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CHERNOUSOVA, D. M. RAUZER- ..
see Rauzer-Chernousova, D. M.

3080. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . Geologicheskie issledovaniia 1933 goda v ŭgo-zapadnoi chasti Pai-Khoia. (Akademiia nauk SSSR. Poliarnaia komissiiia. Trudy, 1936. Vyp. 26, p. 5-81, illus., fold. plates) *Title tr.:* Geological investigations conducted in 1933 in the southwestern section of Pay-Khoy Range.

Report by the leader of the Pay-Khoy Geological Expedition, on the geomorphology, stratigraphy and petrology of this region, about 68°50'N. 63°E.), with special emphasis on coal deposits. Summary in English, p. 194-96.

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3080A. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . Kratkii or-

ograficheskii ocherk severnoi okonechnosti Timana. (Zemlevedenie, 1940. Novaiia seriia, t. 1 (41), p. 28-37, illus., sketch map) *Title tr.:* Short orographic sketch of the northern end of Timan.

Results of the investigation by a geological expedition of the Academy of Sciences U.S.S.R. in 1937-38 to northern part of Timan Tundra (itinerary shown on sketch map). Description of four ranges, one of which is composed of Carboniferous formations, the others (Chait'sinskiy Kamen', Timanskiy Kamen' and Kominskiy Kamen') of Devonian strata. Remnants of successive basalt flows of submarine origin are present in the Devonian masses. Summary in French.

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8081. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . Mineral'no-syr'evaiia baza severo-vostoka evropeiskoi chasti SSSR. Leningrad, Akademiia nauk SSSR, 1948. 122 p. 19 figures, 1 plate (map). *Title tr.:* Mineral resources of northeastern European part of U.S.S.R.

Account of the geology and mineral resources of the northeast European part of the U.S.S.R., by districts — Pechora River region, Novaya Zemlya, the complex including the Timan hills and the Kanin Peninsula, and the northern part of the Russian Shield.

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3082. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . O blizhaishikh zadachakh izucheniia fauny iz paleozoiskikh otlozhenii Pechorskogo Urala. (Akademiia nauk SSSR. Poliarnaia komissiiia. Trudy, 1936. Vyp. 28, p. 7-14) *Title tr.:* Problems for study in the Paleozoic fauna of Pechora-Ural region.

A discussion of the state of research in the field of Paleozoic paleontology in northern Ural Mts.

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3083. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . O nekotorykh vyvodakh i blizhaishikh zadachakh, sviiazannykh s izucheniem geologicheskogo stroia Pai-Khoia. (U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia, 1st, Moskva, 1935. Trudy, t. 2, Poleznye iskopaemye. Leningrad, 1936, p. 49-55, fold. map) *Title tr.:* On some conclusions and recent

problems connected with the study of the geological structure of Pay-Khoy.

Discussion on the geological structure and stratigraphy of the Pay-Khoy mountain range (68°50'N. 63°E.) concluding remarks on the possibility of finding new ore deposits (fluorite, complex ores, gold, some rare elements minerals etc.) in the region.

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3084. CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877- . Poleznye iskopaemye Pechorskogo kraia. Moskva, 1926. 51, [1] p., illus., map. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy. Vyp. 35) *Title tr.*: The mineral deposits of the Pechora Land.

A descriptive sketch on mineral resources in the Pechora River basin, especially petroleum, coal deposits, iron, copper and lead ores, with bibliographical references to previous explorations in the respective fields, and map indicating deposits' locations.

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3085. CHERNOV, G. A. Chetvertichnye otlozheniia iugo-vostochnoi chasti Bol'shezemel'skoi tundry. (Akademiia nauk SSSR. Severnaia baza. Trudy, 1935. No. 5, p. 1-34, illus., maps) *Title tr.*: Quaternary deposits of the south-eastern part of Bolshezemel'skaya Tundra.

Based on field work in 1930-32.

Copy seen: NN.

3086. CHERNOV, G. A. Geologicheskie issledovaniia v raione r. Niamdy, pravogo pritoka Korotaykhi. (Akademiia nauk SSSR. Poliarnaiia komissia. Trudy, 1936. Vyp. 26, p. 145-74, illus., fold. map, 2 fold. diagrs.) *Title tr.*: Geological investigations in the region of Nyamda River, a right bank tributary of Korotaykha River.

Report (by the leader of one of the parties of the Pay-Khoy Geological Expedition, 1933) on the stratigraphy and coal deposits of the Nyamdo-Yu River region (about 68°21'N. 62°19'E.).

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CHERNOV, S. A., see Terent'ev, P. V., & S. A. Chernov. Opredelitel' presmykaushchikhsh. 1949.

3087. CHERNOV, VLADIMIR KONSTANTINOVICH, 1896- . K biologii diatomovoi vodorosli *Tabellaria fenestrata* Ktz. (Botanicheskii zhurnal,

1945. T. 30, no. 2, p. 59-61) *Title tr.*: A contribution to the biology of the diatom *Tabellaria fenestrata* Ktz.

Contains a biological study of *Tabellaria fenestrata*, a diatom native to the Kola Peninsula and adjoining regions. Summary in English.

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3088. CHERNOV, VLADIMIR KONSTANTINOVICH, 1896- . K izucheniiu ilovykh otlozhenii ozer poberezh'ia Belogo moria v sviazi s voprosom o vekovom podniiatii sushi. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 1, p. 65-78, illus.) *Title tr.*: Lake deposits (muds) in the White Sea region and continental uplift.

A study of diatoms in silt of the coastal lakes of the region, (with a table of one hundred sixty-one species), as evidence of the evolution of the flora with the changing character of these lakes.

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3089. CHERNOV, VLADIMIR KONSTANTINOVICH, 1896- . Nabludeniia nad ekologii *Frustulia rhomboides* var. *saxonica* (Rabh.) de Toni. (Sovetskaiia botanika, 1944, no. 4-5, p. 77-81, illus.) *Title tr.*: Observations on ecology of *Frustulia rhomboides* var. *saxonica* (Rabh.) de Toni.

Contains data on ecology and biology of *Frustulia rhomboides* var. *saxonica*, a diatom forming 70-80 percent of the vegetative deposits in small lakes around Kovda Biological Station, on the coast of Kandalaksha Bay (Karelia), with lists of other diatoms and blue-green algae taken from different layers of bottom deposits.

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CHERNYSHEV, A. G., see Makarov, S. O. *Ermak vo l'dakh.* 1901.

3090. CHERNYSHEV, B. B. Graptolity verkhnego silura iugorskogo poluostrova. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1941. T. 158, p. 75-102, 3 plates) *Title tr.*: Graptolites of the upper Silurian of the Yugor Peninsula.

Description of twenty-one (including eight new) species, based on several collections, made during 1937-38. Summary in English. *Copy seen:* DLC.

3091. CHERNYSHEV, B. B. O nekotorykh siluriiskikh Tabulata s reki Letnei. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 101, p.

147-53, illus.) *Title tr.*: On certain Silurian *Tabulata* from the Letnyaya River.

Descriptions with discussion of five (including two new) species of these fossil corals, collected by V. P. Tebenkov, geologist of the Arctic Institute U.S.S.R., 1936, from the basin of this right bank tributary of the Kolyma River (about 67°N. 155°E.). Summary in English. *Copy seen*: DLC.

3092. CHERNYSHEV, B. B. O nekotorykh verkhnesiluriiskikh korallakh vostochnogo Verkhoiān'ia. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1941, p. 65-74, 3 plates) *Title tr.*: Some upper Silurian corals of the Eastern Verkhhojanie.

Descriptions of three new species taken from the eastern part of Verkhoyansk Mountains about 67°N. 129°E. in Yakutia. Summary in English.

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3093. CHERNYSHEV, B. B. O paleozoiskoi faune i flore basseina reki Chevtun (Chukotskii poluostrrov). (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1939. T. 139, p. 165-88, illus., 4 plates) *Title tr.*: On the Paleozoic fauna and flora of the Chevtun River basin (Chukotka Peninsula).

A paleontologic study based on a collection taken for the Arctic Institute of U.S.S.R., 1935-36, with descriptions of seven new species. Summary in English.

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3094. CHERNYSHEV, B. B. Siluriiskie i nizhnedevońskie korally reki Tarei (ŭgo-zapadnyi Taĩmyr). (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1941. T. 158, p. 9-64, illus., 14 plates) *Title tr.*: Silurian and Lower Devonian corals from the Tareia River basin (southeastern Taymyr Peninsula).

A description of twenty-eight (including sixteen new) forms, based on a collection taken by the geologists N. P. Anikeev and A. I. Gusev in 1936-37, with bibliography, p. 49-52. Summary in English.

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3095. CHERNYSHEV, B. B. *Tabulata* ostrova Vaĩgacha. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1938. T. 101, p. 109-145, illus., 7 plates) *Title tr.*: The *Tabulata* of Vaĩgach Island.

Descriptions, with some discussion, of twenty-seven (including thirteen

new) species of fossil corals collected mostly from Vaĩgach Island, and a few from Silurian deposits in Bol'shezemel'skaya Tundra and Pechora Bay, region of Arkhangelsk province. Summary in English. *Copy seen*: DLC.

3096. CHERNYSHEV, B. B. Verkhnesiluriiskie i devońskie *Tabulata* Novoi Zemli, Severnoi Zemli i Taĩmyra. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1937. T. 91, p. 67-134, illus., 13 plates) *Title tr.*: The Upper Silurian and Devonian *Tabulata* of Novaya Zemlya, Severnaya Zemlya, and Taymyr.

A study based on several paleontological collections, taken 1929-34. Summary in English. *Copy seen*: DLC.

3097. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914. Novozemel'skaia ekspeditiia 1895 goda. (Vsesoiūznoe geograficheskoe obshchestvo. Izvestiia, 1896. T. 32, p. 1-26) *Title tr.*: The Novaya Zemlya Expedition of 1895.

Discussion of earlier scientific expeditions to Novaya Zemlya; brief narrative of the 1895 expedition (led by the author) to Malye Karmakuly, Matochkin Shar, and points between, with a crossing to the east coast (p. 6-16); the geology of Novaya Zemlya, with emphasis on post-Tertiary changes (p. 16-26).

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3098. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914. Novyi daniia po geologii Bol'shezemel'skoi tundry. (Akademiia nauk SSSR. Bulletin, mai, 1907. Sér. 6, t. 1, p. 205-208) *Title tr.*: New data on the geology of the Bol'shezemel'skaya Tundra.

Tectonics and stratigraphy of the eastern part, based on reports from Novosil'tsev, Zhuravskii, and Shparberg.

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3099. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914. O khodě rabot ekspeditiĩ po gradusnym izmėreniām na ostrovakh Shpitsbergena v 1899-1900 gg. (Akademiia nauk SSSR. Bulletin, mars-avril 1901. Sér. 5, t. 14, p. 255-80, 351-77) *Title tr.*: On the progress of the Expedition for the Measurement of an Arc of the Meridian on Spitsbergen in 1899-1900.

Narrative of the field work of the Russian parties led by the author and Oskar Backlund, as part of the joint Swedish-Russian expedition. Details of

the organization of the expedition and the Russian groups, indications of work carried out, and description of terrain traversed, with general information on the physical geography of the islands, but no scientific results.

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3100. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914. Raboty Ėkspeditšii po gradusnym izmėreniām na Shpitsbergenė v 1901 godu. (Akademiā nauk SSSR. Bulletin, jan. 1902. Sér. 5, t. 16, p. 133-159) *Title tr.:* The work of the Expedition for the Measurement of an Arc of the Meridian on Spitsbergen in 1901.

Continuation of the author's O khodė rabot, 1901, q.v., describing the triangulation on the eastern shores of Svalbard beginning with Sörkapp, along both shores of Storfjord and Hinlopen, north to Sjuőnyane (80°30' N. 20°30' E.)

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3101. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914. Den ryska expeditionen till Novaja Semlja, 1895. (Ymer, 1896. Arg. 16, p. 129-49, map) *Title tr.:* The Russian Expedition to Novaya Zemlya; 1895.

Contains brief survey of the expeditions to Novaya Zemlya; account of the Russian expedition there in 1895; its sledge trip from the west to the east coast along Matochkin Shar, and description of the topographical and scientific work; also a section of the physical geography of Novaya Zemlya.

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CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914, see also Grevink, K. I. Puteshestvie nu poluostrov Kanin. 1891.

3102. CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914, and P. STEPANOV. Obercarbonfauna von König Oscars und Heibergs Land. Kristiania, A. W. Brøgger, 1916. 67 p. 15 plates. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the Fram, 1898-1902, v. 4, (no. 34)) *Title tr.:* Upper Carboniferous fauna from King Oscar and Heiberg Land.

List, with synonymy, references to literature, localities and descriptions, of twenty-two (including four new) species of fossil sponges, coelenterates, bryozoans, brachiopods and molluscs

collected on Ellesmere Island and Axel Heiberg Island. *Copy seen:* DLC.

3103. CHERSKII, IVAN DEMENTEVICH, 1845-1892. Beschreibung der Sammlung Posttertiärer Säugethiere. Wissenschaftliche Resultate der von der K. Akademie der Wissenschaften zur Erforschung des Janalandes und der Neusibirischen Inseln in den Jahren 1885 und 1886 ausgesandten Expedition. Abt. IV. St.-Petersbourg, 1892. 1 p. l., v, 511 p. 6 plates. (Akademiā nauk SSSR. Mémoires. Sér. 7, vol. 40, no. 1) *Title tr.:* Description of the collection of post-Tertiary mammals. Scientific results of the Academy of Sciences Expedition to the Yana Region and New Siberian Islands, 1885-1886. Pt. 4.

Contents tr.: 1. Historical summary of the post-Pliocene mammals of West and East Siberia; character of the post-Pliocene deposits of Siberia. (p. 1-44). 2. Description of the Post Tertiary mammals collected by the New Siberian Expedition. (Complete and detailed descriptions of twenty-five species, p. 44-455). 3. Concluding remarks (upon paleoclimate, and paleogeography, the differences in Europe and Siberia, the distribution and migration of early mammals, and other paleontological problems, p. 455-511).

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3104. CHERSKII, IVAN DEMENTEVICH, 1845-1892. Opisanie kollektsii posliťetretichnykh mlekopitāřushchikh zhivotnykh sobrannykh Novo-Sibirskoũ Ėkspeditšieũ 1885-86 g. Sanktpeterburg, 1891. vi, 706 p. 6 fold. plates, tables. (Akademiā nauk SSSR. Zapiski. T. 65, prilozhenie no. 1) *Title tr.:* Description of the collection of post-Tertiary mammals collected by the New Siberian Expedition 1885-1886.

Also published in German as *Beschreibung der Sammlung Posttertiärer Säugethiere*, 1892, q.v.

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3105. CHERSKII, IVAN DEMENTEVICH, 1845-1892. Predvaritel'nyi očet ob izslėdovaniiākh v oblasti rėk Kolomy, Indigirki i Ėany. God pervyi (1891) ot g. Ėakutska chrez verkhnee techenie r. Indigirki do s. Verkhne-Kolymaska. Sanktpeterburg, 1893. 35 p. plate, 2 fold. maps. (Akademiā nauk SSSR. Zapiski. T. 73, suppl. no. 5) *Title tr.:* Preliminary report on the explora-

tion in the region of the Kolyma, Indigirka, and Yana Rivers. The first year (1891) from Yakutsk across upper Indigirka River to Verkhne-Kolymsk.

Description of terrain of area traversed. Agricultural prospects of upper Indigirka and Kolyma basin, with information on crops already grown. The geology of Verkhoyanskiy Khrebet, Khrebet Tas-Kystabyt, Khrebet Ulakhan-Chistay (now Khrebet Cherskogo), and Khrebet Tomus-Khaya (now Momskiye Gory), from the structural and the stratigraphic points of views, with some attention to fossil deposits. Discussion of the resulting cartographic work in relation to the errors of the topographer of the Chukotsk Expedition of 1869.

Maps: 1. Route map of upper Indigirka and Kolyma Rivers, as well as the Indigirka-Aldan watershed. 2. Geologic profile of the route, and the geologic route map from Aldan River to Oymyakon on the Indigirka River. 3. Plate showing vertical sections of the Verkhoyansk and Ulakhan-Chistay Ranges.

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3106. CHERSKII, IVAN DEMENT'EVICH, 1845-1892. *Svėdėniė ob ėks-peditėii Imperatorskoї Akademii nauk dliė izslėdovaniė rr. Kolymy, Indigirki i fany. Sanktpeterburg, 1892-93. 2 v. (17, 32) p.* (Akademii nauk SSSR. Zapiski. T. 68, suppl. 3, t. 71, suppl. 8) *Title tr.:* Information about the Expedition of the Imperial Academy of Sciences for the explorations of Kolyma, Indigirka, and Yana Rivers. *Subtitles tr.:* (1) The trip from Yakutsk to Verkhne-Kolymsk in the summer of 1891. (2) The sojourn at Verkhne-Kolymsk during the winter of 1891-92.

Informal reports, in the form of letters to the Secretary of the Academy and Adjunct F. D. Pleske, containing (part 1) a description of the territory traversed, conditions of travel, and indications of the scope of the geological, paleontological, botanical and zoological investigations; and (part 2) information about the way of life of the inhabitants (especially Yakuts, Lamuts, and Yukaghirs), including their diet, facts about the settlement, and some data on the weather.

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CHESTER, H. C., *see* U. S. Navy Dept. Narrative of North Polar Expedition, *Polaris. 1876.*

3107. CHEUSOV, ALEKSEI ALEK-SANDROVICH. *K zyrėnovedeniė. (Etnograficheskoe obozrėnie, 1904, no. 2, p. 156-60) Title tr.:* Contributions to the study of the Zyryans.

Contains texts and Russian translation of five Zyryan songs and ethnographical notes.

Copy seen: DLC; NN.

CHEVALLIER, R., *see* Charcot, J. B. A. E., & others. Rapport prėliminaire. *Pourquoi-Pas?* 1925. 1926.

3108. CHEVIGNY, HECTOR. Lord of Alaska; Baranov and the Russian adventure. London, R. Hale Ltd., [1946] 255 p. Map on lining-papers.

Story of the Russian American Company from its beginning to the death of Baranof, 1819. Describes the early fur trade, the founding of Sitka and Russian activities in Alaska. Bibliography (116 items).

Copy seen: DLC; NNStef.

CHEVREUX, E., *see* Pedashenko, D. D. Otchet o sostoiėanii Solovetskoї biol. stantėii 1897. 1897.

3109. CHICAGO ACADEMY OF SCIENCES. Robert Kennicott. (*Its: Transactions, 1869. v. 1, pt. 2, p. 133-226, port.*)

Most of the edition of this volume of the Academy's transactions was lost in the Chicago fire, 1869, as was the original of Kennicott's journal of which excerpts are printed here, and are reprinted in J. A. James, *The First scientific exploration of Russian America and the purchase of Alaska. 1942.* The latter includes (p. x) note of location of twelve copies of this volume of the Academy's transactions known to be extant.

A memorial to the Academy's Director, Robert Kennicott, 1835-1866, containing an account of his life and work and extensive excerpts from his journal of his first northern expedition 1859-62, under auspices of the Smithsonian Institution. The journal describes in detail his travels with Hudson's Bay Co. men from Lake Superior north and west to the lower Mackenzie, up the Peel River, over the mountains into Russian America, and down the Porcupine River to the Hudson's Bay Co. post, Fort Yukon, where he wintered 1860-61; his further trips in the region, sojourns at Fort MacPherson till the spring of 1862. Includes remarks

throughout on the nature of the country, the wildlife, incidents of travel, weather, and especially the author's hunting, trapping, and collecting activities.

Appended (p. 216-244) is a section, contributed by W. H. Dall, comprising an account of the Western Union Telegraph Co. Expedition to Alaska, 1865-68, Scientific Corps activities under the leadership of Kennicott until his death on May 13, 1866. *Copy seen:* DLC.

3110. THE CHICAGO RECORD. Klondike; the Chicago Record's book for gold seekers. [Chicago, 1897.] x, 13-555 p. illus. 36 plates, 8 maps (3 double-face)

Enlarged edition with twelve additional chapters, one of which is on dogs. *Copy seen:* NNStef.

3111. THE CHICAGO RECORD. Klondike; the Chicago Record's book for gold seekers. Profusely illustrated. Chicago, The Chicago Record Co., 1897. 2 p. l., [vii]-xii p., 1 l., [15]-413 p. incl. front., plates, 8 maps (incl. 3 double face), diagr.

Information on routes, mining methods, laws, and capital requirements; needed equipment; climate, food, services, Indians, game; life in Dawson and on the trails; a chapter on the history of Alaska and several drawn from earlier Canadian reports on Yukon Territory. Index.

Copy seen: DLC; NNStef.

3112. CHICANOT, E. L. Canada's cariboo and reindeer industry. (United empire, May 1920. New ser., v. 11, p. 245-47)

Journalist's report of the Canadian government-backed North American Reindeer Company contract for free grazing in the Manitoba area north of Churchill River, 1919.

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3113. CHIGIRIN, N. I. Sistema ugol'noi kisloty v vodakh severnogo Pol'arnogo basseina i Grenlandskogo moria. (In: Vysokoshirotnaia ekpeditsiia na "Sadko", 1935. Trudy, 1939. T. 1, vyp. 1, p. 187-274, maps, tables, diagrs.) *Title tr.:* Carbon dioxide of the polar basin and of the Greenland Sea.

A detailed study of formation, distribution and pressure of carbon dioxide in the region explored by the ice-breaker *Sadko*, 1935. Bibliography, p. 272-74.

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3114. CHILDREN, JOHN GEORGE. *Articulata.* (In: Back, Sir G. Narrative of the Arctic Land Expedition. London, 1836. Appendix 3, p. 532-42)

List, with descriptions, of twenty-one species of arachnids and insects, seven new, collected by Richard King on the Arctic Land Expedition of George Back, 1833-35, including eleven bird lice. *Copy seen:* DLC.

3115. CHILDREN, JOHN GEORGE. On the Esquimaux dog. (Zoological journal, 1827. v. 3, no. 9, p. 54-56, col. plate)

Contains description and measurements of an Eskimo dog brought from Parry's first expedition, 1819-20. Includes comments on a published description of a half-breed dog erroneously described as an Eskimo dog.

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3116. CHIMMO, W. A visit to the North-East coast of Labrador, during the autumn of 1867, by H. M. S. Gannet. (Royal Geographical Society. Journal, 1868. v. 38, p. 258-81, fold. map)

Journal of a British hydrographic survey of some of the waters between St. Lewis Sound (about 52°20'N.) and Hopedale, on the southern part of the Labrador coast, containing notes on the weather, the fisheries, the harbors and the population at various stops.

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3117. CHINA, WILLIAM EDWARD. Hemiptera collected by the Oxford University Expedition to West Greenland, 1928. (Annals and magazine of natural history, Mar. 1934. Ser. 10, v. 13, p. 330-33)

Issued also as Oxford University Exploration Club. *Greenland and Spitzbergen papers*, 1934. no. 15.

List, with synonymy and other arctic records, of three species, and mention of eight previously recorded species.

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3118. CHIPMAN, KENNETH G., and GEORGE HANSON. Mapping by the Bureau of Geology and Topography. (Canadian Institute of Mining and Metallurgy. Transactions, 1944. v. 47, p. 99-113, diagrs.)

A review of the mapping (then) accomplished, by the Topographic Survey and Geological Survey of Canada, with diagrammatic maps to illustrate areas covered, and remarks on the reorgani-

zation in 1936, which created the Dept. of Mines and Resources.

Copy seen: DGS.

3119. CHIPMAN, KENNETH G., and J. R. COX. Geographical notes on the arctic coast of Canada. [Ottawa, King's Printer, 1924] 49 p. incl. 7 plates. 2 fold. maps. (Canadian Arctic Expedition, 1913-18. Report. v. 11: Geology and geography, Pt. B)

Issued with Pt. A under one cover and with one fold. map (in pocket) and one index for both parts. Description of the arctic coast, particularly in the region of the Mackenzie delta, the Firth and Coppermine Rivers, and the harbors; notes on dog transportation, ice conditions; appendix of geographical positions and Eskimo place names.

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3120. CHIRIKHIN, IŮ. D. Izuchennost' morei Laptevskh i Vostochno-Sibirskogo v gidrograficheskom otnoshenii k nachalu 1935 g. (Severnyi morskoi put', 1935. No. 2, p. 59-73) *Title tr.:* Hydrographic knowledge of Laptev and East Siberian Seas as of 1935.

Survey of published and unpublished results of oceanographic research and survey work, indicating the extent of knowledge (then held) and needs for future research. Summary in English.

Copy seen: DLC.

3121. CHIRIKHIN, IŮ. D. K voprosu o postroike porta v ust'e reki Leny. (Severnyi morskoi put', 1934. No. 1, p. 83-96, maps) *Title tr.:* On the construction of a port in the estuary of Lena River.

A discussion of three plans for the construction of a new port in the Lena River estuary, probably at Tiksi Bay. Summary in English.

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3122. CHIRIKHIN, IŮ. D. K voprosu o sudokhodnykh gorizontakh reki Leny. (Severnyi morskoi put', 1937. No. 6, p. 85-88, diagr.) *Title tr.:* Lena River and its navigable horizon.

Results of observations on the water levels during the navigation year 1935, with some suggestions for timing of shiploads going up-stream.

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3123. CHIRIKHIN, IŮ. D. Plavanie shkhuny "Poliarnai Zvezda" v navigatsiiu 1927 g. (Akademiia nauk SSSR.

Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriia iakutskaiia, vyp. 7: Poliarnaiia geofizicheskaiia stantsiia na ostrove Bol'shom Liakhovskom Chast' 2, p. 3-76, illus., tables, diagrs.) *Title tr.:* Works on board the schooner "Poliarnai Zvezda" in the Brothers Laptev Sea in 1927.

Description of the voyage and results of oceanographic observations (tables, p. 55-74) including bottom analyses, depth measurements and study of currents. Summary in English.

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3124. CHIRIKHIN, IŮ. D. Vechnaiia merzlota basseina reki Indigirki. (Akademiia nauk. Komissiiia po izucheniiu vechnoi merzloty. Trudy, 1934. T. 3, p. 21-39) *Title tr.:* Permafrost in the basin of the Indigirka River.

Contains partial results of the Yakut expedition of 1929-30, which recorded numerous outcrops of subterranean ice along both banks of the river, exposed by the river action. The two largest outcrops are described and the character of ice indicated. Numerous naled' were examined in this area and their character and origin are indicated. Ice mounds (frost mounds) and their life cycle are described, as well as the influence of permafrost on the variation of water level of the Indigirka.

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CHIRIKHIN, IŮ. D., see also Akademiia nauk SSSR. Komissiiia po izucheniiu iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy eksped. k ust'iam Leny i Oleneka. 1928-29.

CHIRIKOV, ALEKSEI IL'ICH, d. 1748, see Pokrovskii, A. A. Ekspeditsiia Beringa; sbornik dokumentov, 1941.

3125. CHIRKIN, G. F. Transportno-promyshlenno-kolonizatsionnyi kombinat Murmanskoi zhel. dor. Moskva, 1928. 134 p., illus., fold. map, tables, diagrs. (Moskva. Gosudarstvennyi nauchno-issledovatel'skii institut zemleustroistva i pereseleniia. Trudy, t. 9) *Title tr.:* Murmansk Railroad Combine for transportation, industrialization, and settlement.

Monograph on the manifold activities of the Murmansk Railroad Combine in the fields of transportation, industrialization, and settlement in Kola Peninsula. Includes description of the char-

acteristics of the territory assigned for settlement: its climate, topography, soil, marshes, forests, p. 30-40; lumber and fishing industries, p. 41-64; settlement work: clearing of forests, drainage, swamp development, organizing the economic life of the settler, p. 62-93; development of agriculture and industry, p. 93-108. Murmansk harbor, growth of its freight turnover and of the goods traffic of the railroad, p. 108-20. Plans for further development of the Combine, p. 121-30.

Appendix: Statutes on settlement of the Murmansk Territory, p. 130-34. *Map*, scale 1:1,500,000, shows locations of construction works, agricultural and experimental bases, lumber plants, etc.

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3126. CHIRKOVA, A. F. Poezdka v vostochnuï chast' Cheshskoi guby i Timanskuï tundru. (Sovetskii Sever, 1930, no. 9-12, p. 215-234, illus., map) *Title tr.:* A trip to the east coast of Cheshskaya Bay and Timan Tundra.

Description of the region based on the author's observations during the Cheshskaya Expedition, 1929, under auspices of the Biology and Hunting Industry Division of the Central Experimental Station of Forestry. Brief historical sketch of the investigation of Timanskaya Tundra, its physico-geographical characteristics, landscapes, boundaries, population, administration; means of communication and occupations there.

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CHIRKOVA, A. F., see also Folitarek, S. S., & A. F. Chirkova. Primitivnoe zverovodstvo. 1930.

CHIRVINSKI, P., see Novograblenov, P. T., & P. Chirvinski. Vulkan Avat-schinsky. 1929.

3127. CHIRVINSKII, PETR N. K mineralogii Kirovskogo raiona Murmanskoï oblasti. (*In:* Akademiâ nauk SSSR. Kol'skaïa baza. Proizvoditel'nye sily I, 1940. p. 27-55, 3 plates, tables) *Title tr.:* Mineralogy of the Kirovsk area of the Murmansk region.

Contains description and chemical composition of main minerals discovered in the central part of Kola Peninsula.

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3128. CHIRVINSKII, PETR N., and others. Massiv ul'traosnovnykh porod u stant'sii Afrikanda na Kol'skom poluostrove. (Akademiâ nauk SSSR. Kol's-

kaïa baza. Trudy, 1940. Vyp. 5, p. 31-70, illus., (incl. map), 2 plates, tables, diagrs.) *Other authors:* M. S. Afanas'ev and Z. G. Ushakova. *Title tr.:* The massif of ultrabasic rocks near Station Afrikanda, Kola Peninsula.

A petrographic study of the region around 67°26'N. 32°44'E., description of rock formation, results of their chemical analysis and geological sketch map indicating distribution of basic rocks, p. 33.

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3129. CHIRVINSKII, PETR N. Microscopic investigation of podzol from the town Kirovsk. (Akademiâ nauk SSSR. Comptes rendus (Doklady), 1940, n. s., v. 26, no. 2, p. 156-57)

Report on analyses of typical specimens of Khibina (Kola Peninsula) podzol, carried out by the author to establish the composition and the origin of this unfertile, ashlike soil, often occurring in northern Russia; notes on the minerals found in the podzol.

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3130. CHIRVINSKII, PETR N. Pallasit von Alten, Finnmarken, Norwegen. Oslo, Jacob Dybwad, 1925. 24 p. illus., tables. (Norske videnskaps-akadem., Oslo. Avhandlingar. Matematisk-naturvidenskapelig klasse, 1925, no. 7) *Title tr.:* Pallasite from Alta in Finnmark, Norway.

Analyses of samples of pallasite (a meteorite, composed essentially of olivine and metallic iron) from Alta in northern Norway (69°41'N. 22°13'E.)

Copy seen: DLC.

CHIRVINSKII, PETR N., see also Antonov, L. B., & others. Novye zhily s redkozemel'nymi mineralami. 1933.

3131. CHISTIAKOV, A. I. Razvitie i organizatsiâ gornyykh rabot po dobyche apatita. (*In:* Khibinskie apatity, 1932. T. 2, p. 137-52, illus., diagrs.) *Title tr.:* Development and organization of apatite mining.

Description with illustrations of work in the Kukisvumchorr apatite mines; the specific nature of Khibina apatite, conditions of work peculiar to Kola Peninsula, which require new methods of extraction and render inapplicable the usual mining practices.

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3132. CHITTY, DENNIS, and others. Canadian arctic wild life enquiry,

1935-36 — 1942-43. (Journal of animal ecology, 1937-45, v. 6, p. 368-85; v. 7, p. 381-94; v. 8, p. 247-60; v. 9, p. 227-42; v. 10, p. 184-203; v. 11, p. 270-87; v. 12, p. 163-72; v. 14, p. 37-45, plate, sketch maps, tables) *Other authors*: C. S. Elton and Helen Chitty.

The enquiry was sponsored by Canada's Northwest Territories Administration, and conducted by the Bureau of Animal Population, Oxford University, England. This series of articles is the report on results of questionnaires to observers at Hudson's Bay Co. posts, concerning abundance of, epidemics among, and migration of arctic foxes, lemmings, snowy owls, ptarmigans (report not included), and sledge dogs, in various parts of Canada north of the tree-line. Includes tabular summary of original data, and details of disease among sledge dogs. *Copy seen*: DA.

CHITTY, DENNIS, *see also* Elton, C. S., & others. Snowshoe rabbit inquiry. 1933-43.

CHITTY, HELEN, *see* Chitty, D., & others. Canadian arctic wild life enquiry, 1935-43. 1937-45.

CHITTY, HELEN, *see* Elton, C. S., & others. Snowshoe rabbit inquiry. 1933-43.

3133. CHIVILEV, I. Opyt radista-dispatchera. (Sovetskaiā Arktika, 1939, no. 9, p. 56-65, table) *Title tr.*: Experience of a radio operator-dispatcher.

Description of radio service at the Amderma polar station, 1936-38: construction of a broadcasting station in 1935, communication with other stations of the region, radio service to ships and airplanes during navigation.

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3134. CHIZHIKOV, P. N. K podnozhiiŭ vulkana Opala. (Akademiā nauk SS-SR. Sovet po izucheniiŭ proizvoditel'nykh sil. Seriiā nauchno-populiārnaia. Na Kamchatke, 1936, p. 103-114, illus.) *Title tr.*: To the foot of the Opala volcano.

A narrative of a journey to the Opala volcano by a group of the Kamchatka Complex Expedition of 1935, made primarily for the purpose of studying the soils of the region.

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3135. CHIZHIKOV, V. Gidroledorez. (Sovetskaiā Arktika, 1937, no. 9, p. 91-

92, also 1940, no. 2, p. 91, illus.) *Title tr.*: Hydraulic ice cutter.

Description of a device (submitted by the author as a new invention to the Main Administration of the Northern Sea Route in 1935) for cutting through ice of considerable thickness in a second by means of a high pressure hydraulic pump. Results of tests of the device are given.

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3136. CHKALOV, VALERII PAVLOVICH, 1904-1938, and others. Dva pereleta. Moskva, Gos. voen. izd-vo Narkomata oborony Soŭza SSR, 1938. 275 p. illus., plates, sketch maps (part fold.) diagsr. (part fold.) *Other authors*: G. F. Baïdukov, A. V. Bel'akov. *Title tr.*: Two flights.

Narratives of the arctic flights of 1936-37, written mainly by Baïdukov (co-pilot) and Bel'akov (the navigator), with introductory chapters by Chkalov (the pilot) and the others. The trans-polar flight of the *NO-25* (June 18-20, 1937) had been preceded by a test flight (Moscow-Barents Sea-Franz Josef Land-Cape Chelyuskin-Petropavlovsk - Kamchatskiy - Chkalov Island). The accounts contain information concerning flying conditions, rations taken on board (p. 87), the code for transmission of meteorological data (p. 77), etc. The appendix gives a detailed description of the plane and its equipment, including the schedule for the technical work of the crew (p. 261-71). Two folded diagrams show the altitude maintained during the flights. *Maps* (some on lining papers) show routes, and meteorological conditions.

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3137. CHKALOV, VALERII PAVLOVICH, 1904-1938. Nash transpoliārnyĭ reis: Moskva-Severnnyĭ poliūs-Severnnaia Amerika. [Moskva] Gos. izd-vo polit. lit-ry, 1938. 63 p. front. *Title tr.*: Our transpolar flight: Moscow-North Pole-North America.

General account of the flight (June 18-20, 1937), which ended near Portland, Oregon, and of the events connected with it; also some information concerning equipment, preparations, etc.

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3138. CHKALOV, VALERII PAVLOVICH, 1904-1938, and others. Navigator's log book, airplane NO-25; first non-stop flight Moscow-North Pole-

United States of America. Moscow-Leningrad, State Art Publishers, 1939. 30, [20] p., illus., ports., fold. map. *Other authors:* A. V. Bel'akov, G. F. Baïdukov.

Contents: Bel'akov, A. Via the North Pole to America. Navigator's log book airplane NO-25, translated from the Russian.

The first section appears in this Bibliography under its author's name. The second section is a translation of the text of Chkalov and others' *Shurman-skii bortovoï zhurnal samoleta NO-25*, q.v., with the addition of illustrations, etc.

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3139. CHKALOV, VALERII PAVLOVICH, 1904-1938, and others. *Shturmanskii bortovoï zhurnal samoleta NO-25.* Moskva, Leningrad, [1939?] 16 p., photos. (map, diagrs.) *Title tr.:* Navigator's log book, airplane NO-25. English translation was published in 1939, with title as above.

A facsimile edition of the log book kept by the three fliers on board the Soviet airplane NO-25 during its non-stop flight Moscow-North Pole-U.S.A., June 18-20, 1937.

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3140. CHKALOV, VALERII PAVLOVICH, 1904-1938. *Unser Transpolarflug.* Moskau, Verlag für fremdsprachige Literatur, 1939. 118, [2] p. plates, ports. *Title tr.:* Our transpolar flight.

Translation of his *Nash transpolarnyi reis*, q.v., with a preface by K. Voroshilov and others in praise of Chkalov; a biographical sketch of the flier (p. 98-118), and added illustrations.

Copy seen: DLC.

CHKALOV, VALERII PAVLOVICH, 1904-1938, see also Slava geroïam! 1936.

CHKALOV, VALERII PAVLOVICH, 1904-1938, see also Stalinskii marshrut prodolzhen. 1937.

CHKALOV, VALERII PAVLOVICH, 1904-1938, see also Velikiï letchik nashego vremeni. 1939.

CHMORA, N. ĪA., see Ėikhfel'd, I. G., & N. ĪA. Chmora. Sel'skokhoz-ïaistvennoe osvoenie Krainego Severa. 1937.

3141. CHOJECKI, KAROL EDMOND, 1882-1899. Voyage dans les mers du nord à bord de la corvette la Reine Hortense, par m. Charles Edmond (Choięcki). Notices scientifiques com-

muniquées par mm. les membres de l'expédition. Paris, Michel Lévy frères, 1857. 4 p. l., 632, 146 p. illus., 12 plates, 2 fold. maps, fold. geneal. tab. *Title tr.:* Voyage in northern seas aboard the Reine Hortense. Scientific notes by members of the expedition.

General account of the cruise of Prince Bonaparte from Scotland to Iceland, along the ice pack toward Jan Mayen, then southwestward via Iceland to Cape Farewell, northward along the West Greenland coast as far as Godthaab, and return to Norway, Sweden and Denmark, via The Faeroes and Shetland Islands, June-Oct. 1856. Includes chapters describing each land visited, its history and exploration.

Scientific notes tr.: 1. Du Buisson, A. G. Notes on navigation. (Includes description of ice in Greenland Sea, and its general movements.)

2. BELLEBON and GUÉRAULT. The Eskimos of Greenland; their race, physical and moral characteristics, hygiene and common diseases.

3. includes CHANCOURTOIS, E. B. de, and FERRI-PISANI. Geology of Greenland.

Notes 2 and 3 appear in this Bibliography under the authors' names.

Copy seen: DLC.

3142. CHOLNOKY, JENÖ, 1870- . A Spitzbergak. (Földrajzi közlemények, Sept.-Oct. 1911. v. 39, p. 301-345, illus. maps, plates) *Title tr.:* Spitzbergen.

Based on the literature and on the author's observations during the excursion to West Spitzbergen of the International Congress of Geologists in 1910. Contains a general survey of the Svalbard region; outline of the topography (in brief), climate (in more detail) particularly precipitation; discussion of structural geology and glaciers of West Spitzbergen; the landscape (in detail) particularly phenomena connected with solifluction; polygonal soil (includes some explanation of its origin with diagrams); remarks on the phenomena of desert tundra and glaciers, and explains proximity of large glaciers to desert-like surfaces. *Illus.* include sketches and photographs by the author.

Copy seen: DLC.

3143. CHREE, CHARLES, 1860- . Aurora and allied phenomena. (Royal Meteorological Society. Quarterly journal, April, 1923. v. 49, p. 67-74)

The aurora is associated with magnetic disturbances and sunspot activity.

Copy seen: DLC.

3144. CHREE, CHARLES, 1860- Recent work on aurora. (Meteorological magazine, May 1921. v. 56, p. 85-87, illus.)

Aurora rays (based on observations made at Jan Mayen in 1882) have been drawn to illustrate convergences and nonconvergence.

Copy seen: DLC.

3145. CHRISTENSEN, K. N. Faareavlen og landbruget i Grønland under krigen. (Grønlandske selskab. Aarskrift. 1946. p. 146-54, illus.) *Title tr.:* Sheep raising and farming in Greenland during the war.

Account of development 1939-45, sale of products (liverpaste, wool, etc.); pig and chicken raising; vegetable growing in hothouses and gardens, plowing, etc., model sheep raising station at Julianehaab; with statistics.

Copy seen: NN.

CHRISTEY, LEROY S., see Davidson, F. A., & L. S. Christey. Migrations of pink salmon SE. Alaska. 1940.

3146. CHRISTIAN, EDGAR VERNON, 1908-1927. Unflinching, a diary of tragic adventure. London, J. Murray [1937]. vii p., 2 l., 156 p. front, (port.) 7 plates, sketch map. Another edition was published in New York and London, by Funk & Wagnalls, 1938, with portrait and map, but no plates.

The diary (as written) of a nineteen-year-old member of John Hornby's ill-fated three-man expedition to winter in the Thelon Game Sanctuary, 1926-27; with an introduction and conclusion by E. Dew Roberts, and a report of the Royal Canadian Mounted Police Division, whose personnel discovered and buried the bodies, July 1929.

Copy seen: DLC; NNStef (both editions, that of 1938 with lengthy ms. notes by J. C. Critchell-Bullock).

CHRISTIAN, W. J., see Stair, L. D. Few cryptogams from Adak Island. 1948.

3147. CHRISTIANSEN, CHRISTIAN, 1843-1917. Beretning om resultaterne af forsøgene over isdannelse. (In: Ryder C. Den østgrønlandske expedition, 1. del, 2. Pub. in: (Meddelelser om Grønland, 1895, 17. hefte, p. 161-70,

tables) *Title tr.:* Reports on the results of research in ice formation.

Discussion and tables of results from research made at the winter quarters on Denmark Island, Scoresby Sound, Sept. 1891-April 28, 1892.

Copy seen: DLC.

3148. CHRISTIE, K. J. Chapter of great development written in mining history of N.W. Territories. (Pre-Cambrian, Jan. 1949. v. 22, no. 1, p. 15, 17)

Summary of developments in gold mining at Yellowknife, 1948.

Copy seen: DGS.

3149. CHRISTIE, K. J. Mining progress in the Northwest Territories. (Western miner, Nov. 1947. v. 20, no. 11, p. 101-102, 104, 106, 108, 110, 112)

Report on actual production and development activities of gold mines in eleven areas of Mackenzie District during 1947; notes on construction in the community of Yellowknife, and on power and transportation progress.

Copy seen: DGS.

3150. CHRISTIE, S. HUNTER. Discussion of the magnetical observations made by Captain Back, R.N. during his late arctic expedition. (Royal Society of London. Philosophical transactions, 1836. v. 126, p. 377-415)

Results of geomagnetic observations of the Arctic Land Expedition of George Back, 1833-35, between Great Slave Lake and Point Ogle (68°17'W., 96°20'W.); including detailed description of methods used and tables of results, covering dip, comparison of dip and variation, intensity, and correction for temperature difference. Discusses (p. 389, 414-15) the relation between these observations and those made by John and James C. Ross near the site of the Magnetic North Pole and suggests (p. 406-407) the naming of Back River.

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3151. CHRISTIE, WILHELM FRIMANN KOREN, 1778-1849. Norsk dialect-lexicon og nokre folkeminne og brev. Gustav Indrebø gav ut. [Bergen, J. Grieg, 1938] 261, 374 p. illus. (Bergens museums årbok, 1937. Historisk-antikvarisk rekke, nr. 1) *Title tr.:* Dictionary of Norwegian dialects and some folklore and letters, edited by Gustav Indrebø.

Part 1 describes Christie's contribution to Norway as an archeologist, collector of antiquities and as a founder of the Bergen Museum; his Lappish studies (p. 99-120, by J. Qvigstad); his ethnological works and collection of folklore; investigations of old Norwegian customs, characteristics, place names, etc.; mystical folktales, adventures, and letters written by him and to him.

Pt. 2 contains his dictionary of Norwegian dialects, revised and edited by Gustav Indrebø, with additions.

Copy seen: NN.

CHRISTIE-LINDE, AUGUSTA ÄRN-BÄCK, *see* Ärnback-Christie-Linde, Augusta.

3152. CHRISTISON, Sir ROBERT, Bart., 1797-1882. On the capture of whales by means of poison. (Edinburgh new philosophical journal, 1860. new ser., v. 12, p. 72-80)

Account of experiments in 1832 and 1833 by a whale fishery firm, G. & W. Young, of Leith, Scotland, in using harpoons with hydrocyanic acid in arctic whaling, also mention of other similar attempts.

Copy seen: DLC.

3153. CHRISTOE, ALICE HENSON. Treadwell, an Alaskan fulfillment. [n. p., 1909?] [27] p. incl. illus.

Popular account of the history of the Treadwell Mines near Juneau in Southeast Alaska.

Copy seen: NNSStef.

3154. CHRISTOPHERSEN, ERLING. Herman G. Simmons. (Norsk geografisk tidsskrift, 1942-43, pub. 1943. Bd. 9, p. 229) *Title tr.:* Herman G. Simmons.

Notes his death in 1943; contribution to the knowledge of the marine algae and phanerogams of The Faroes; his paper "The vascular plants in the flora of Ellesmere Land," 1906, etc.; participation in the Second Fram Expedition under Otto Sverdrup, 1898-1902.

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3155. CHRISTOPHERSEN, ERLING. *Primula finmarchica* Jacq. (Nytt magasin for naturvidenskapene, 1941. Bd. 81, p. 1-14, text maps)

Contains a description of *Primula finmarchica* based on Norwegian specimens (type locality is Hasvik on the island Sørøya in Finnmark, Norway), comparison with *P. sibirica*, and data

on distribution of both species, considered by the author to be distinct; bibliography (26 items). Summary in English.

Copy seen: MH-A.

3156. CHUBBUCK, LEVI. Alaska agricultural possibilities. (Colorado Scientific Society. Proceedings, Aug. 1910. v. 9, p. 387-402, 11 plates (incl. 5 maps))

Results of a study by U. S. Dept. of Agriculture, Bureau of Plant Industry, 1910. Descriptions of the general features of the country and remarks on the growing season, and possible cultivatable areas. Reprinted in American Geographical Society, Bulletin, 1910, v. 42, p. 888-903.

Copy seen: DGS.

3157. CHUBBUCK, LEVI. Possible agricultural development in Alaska. [Washington, U. S. Govt. Print. Off., 1914] 31 p. illus. (U. S. Dept. of Agriculture. Bulletin no. 50)

Contains notes on the mountains of Alaska, the topography, climate, vegetation, and soils of the interior, and a discussion of factors in farming, of gardening, grain raising, the reindeer industry, and other livestock.

Copy seen: DA.

3158. CHUBYNIN, D. Rastenievodstvo v Obdorske. (Sovetskii Sever, 1934. T. 5, no. 3, p. 30-38) *Title tr.:* Plant culture in Obdorsk.

Contains data on agricultural conditions of the region, and statistical data (for the year 1932) on vegetables, oats and barley culture in Obdorsk (Salekhard) region.

Copy seen: NN.

3159. CHUDINOV, P. V. Tomponskom raione. (Sovetskii Sever, 1934, no. 1, p. 107-111) *Title tr.:* In the Tompon region.

Remarks on changes in the life of the Tungus, brought about by the Soviet Revolution, by a member of a party sent to the Tompo River (right tributary of the Aldan, 62°29'N. 134°55'E.) region, to find suitable location for construction of a new cultural base.

Copy seen: DLC.

CHUGUNOV, S. M., *see* Ivanovskii, A. A. Surgutskie ostiaki. 1905.

3160. CHUKHCHIN, F. Stakhanovskii reis. (In: Na traulerakh v Barentsovom more; 1946, p. 121-29, illus.) *Title tr.:* Stakhanov trip.

Contains a description of methods for increasing production and competition (Stakhanov movement) in the Russian fishing industry in Barents Sea, which raised the output of many Russian trawlers by 100 per cent and more. *Copy seen:* DLC.

3161. CHUKHNOVSKII, BORIS G. *Primenenie aviatsii pri issledovanii srednei i severnoi Sibiri i poliarnogo sektora Soiuza. (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 167-75, illus.)* *Title tr.:* Use of airplanes for the investigation of middle and northern Siberia and the polar section of the Soviet Union.

Discussion of the role of aviation in exploitation of the natural resources of northern Siberia, as means of exploration (forests), communication, transport and reconnaissance for navigation along the northern coasts. *Copy seen:* DLC.

CHUKHNOVSKII, BORIS G., see also Iakovlev, A. S. *Zapiski o neobyknovennom. 1929.*

CHUKHNOVSKII, BORIS G., see also Samoilovich, R. L. *Pervyi pokhod Kraina. 1928.*

3162. CHUKOVSKII, NIKOLAI KORNEVICH. *Voditeli fregatov. Moskva, Voennoe Izd-vo Ministerstva Vooruzhennykh sil Soiuza SSR, 1947. 275 [1] p., plates, ports., fold. map. Title tr.:* Commanders of warships.

Contents include a popular account of the first Russian round-the-world voyage of Kruzenshtern on the *Nadzhda* and of Lisianskii on the *Neva*, 1803-1806, from Kronstadt around Cape Horn to Kamchatka and Alaska, and return via Cape of Good Hope to Kronstadt (p. 173-256). *Map* shows the voyages, scale 1:100,000,000. *Copy seen:* DLC.

3163. CHUMAKOV, A. A. *O prichinakh vozniknoveniia urtityvykh gorizontov v rassloennom komplekse shchelochnykh porod Lyiavvurta (na Kol'skom poluostrve). (Akademiia nauk SSSR. Doklady, 1947. T. 58, no. 5, p. 875-77, diagr.)* *Title tr.:* On the origin of urtite zones in the stratified complex of basic rocks of Luyavvurt (Kola Peninsula).

Discussion of urtite zones in the alkaline complex of the Luyavv moun-

tains region (67°50'N. 34°E.) their petrologic and genetic relations with contiguous luyavrite, yuvite, and foyaitite zones. *Copy seen:* DLC.

3164. CHUMAKOV, A. A. *Petrologiia i metallogeniia shchelochnykh granitov Kol'skogo poluostrva. (Akademiia nauk SSSR. Doklady, 1947. Novaiia seriia, t. 57, p. 73-75)* *Title tr.:* Petrology and metallogeny of the alkaline granites of Kola Peninsula.

"A brief account of the genesis of the alkaline granites . . . and associated metalliferous deposits. It is noted that caution should be exercised in concluding that the granites are products of granitization of the Keiv gneiss series and also that the evidence in favor of a magmatic origin is not conclusive". — Geological Society of America, *Bibliography and index of geology.* *Copy seen:* DLC.

CHUMAKOV, A. A., see also Kupletskii, B. M., & A. A. Chumakov. *O proiskhozhdenii granitov Kol'skogo p-va. 1948.*

CHUPROV, I. M., see Druri, I. V., & I. M. Chuprov. *Razvitie teliat. 1940.*

3165. CHURCH, JAMES EDWARD, 1869- . *Evaporation at high altitudes and latitudes. (American Geophysical Union. Transactions, 1934. v. 15, p. 326-51)*

Results of observations made in the Sierra Nevada Range (for high altitude) and supplied by the University of Michigan Greenland Expeditions 1926-29 (for Greenland). *Contains* in section 2, tables of temperature, humidity, wind-velocity and precipitation for stations on the coast, at the head of a fiord, and on the edge of the inland ice, with discussion of these factors as they affect evaporation.

Appendix: A. Measurements of evaporation and temperature from soil and water in southern Greenland. This paper appears separately in this Bibliography under this author's name. *Copy seen:* DLC.

3166. CHURCH, JAMES EDWARD, 1869- . *Measurements of evaporation and temperature from soil and water in southern Greenland. (American Geophysical Union. Transactions, 1934. v. 15, p. 343-51) Appendix A to his: Evaporation at high altitudes and latitudes.*

Discussion of factors affecting evaporation, applied to Greenland, with tables of data; comparisons with western United States; and measurement of temperatures of soil, streams, lakes, fiords, and Davis Strait waters.

Copy seen: DLC.

3166A. CHURCH, JAMES EDWARD, 1869- . The melting of snow. (Central Snow Conference. 1st, East Lansing, Mich., 1941. Proceedings, 1942? v. 1, p. 21-32, illus.)

Discussion of (1) ripe and overripe snow (that which has attained its maximum power of water suspension, and that which has exceeded this point), (2) lag between beginning of melting at the top of the snow cover and the appearance of the water at the base, (3) change in density during melting, (4) atmospheric heat, (5) effect of rain, (6) effect of insolation and radiation, and (7) effect of earth warmth. Bibliography (12 items).

Copy seen: DGS.

3167. CHURCH, JAMES EDWARD, 1869- . Meteorological studies. (*In:* Michigan University. Greenland Expeditions, 1926-1933. Reports, 1941. Pt. 2, p. 1-59, 21 plates, tables) Results of University of Michigan Greenland Expedition, 1926-27, based on Holsteinsborg District.

Contents: A. Climate and evaporation in alpine and arctic zones. Alpine zone: Lake Tahoe Basin, central Sierra Nevada, p. 7-29. Arctic zone: southwestern Greenland, p. 29-45.

B. Temperatures of arctic soil and water (inland waters, fiords and coastal waters, melting on inland ice, temperature of glacial waters, seasonal oscillation of coastal and ocean waters, comparison of annual variation in mean air and water temperatures) p. 46-59.

Copy seen: DLC.

3168. CHYDENIUS, J. J. Undersökning af fossilt hartz från Grönland. (Geologiska föreningen, Stockholm. Förhandlingar, 1875. Bd. 2, p. 549-51) *Title tr.:* Investigation of fossil resin from Greenland.

Chemical analysis of fossil resin collected by Nordenskiöld on Hare Island during the Swedish Expedition to Greenland, 1870.

Copy seen: DLC.

3169. CHYDENIUS, JAKOB KARL EMIL, 1833-1864. Bidrag till kännedo-

men om de jordmagnetiska förhållandena vid Spitsbergen, samlade under den Svenska expeditionen år 1861. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1862. Årg. 19, p. 271-300, tables) *Title tr.:* Contributions to the knowledge of terrestrial magnetism on Spitsbergen collected during the Swedish Expedition, 1861.

Discussion and tables of observations made in northern Norway and on various islands of the Spitsbergen archipelago, Apr.-Aug., 1861.

Copy seen: DLC.

3170. CHYDENIUS, JAKOB KARL EMIL, 1833-1864. Om den under Svenska expeditionen till Spetsbergen år 1861 företagna undersökning af en gradmättnings utförbarhet derstädes. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1862, pub. 1863. Årg. 19, p. 89-111, plate) *Title tr.:* On the investigation undertaken during the Swedish Expedition to Spitsbergen, 1861, concerning the feasibility of measuring an arc of the meridian there.

Account of a geodetic reconnaissance trip to West Spitsbergen and adjacent islands to the north.

Copy seen: DLC.

3171. CHYDENIUS, JAKOB KARL EMIL, 1833-1864. Svenska expeditionen till Spetsbergen år 1861 under ledning af Otto Torell. Stockholm, P. A. Nordstedt & Söner, 1865. 5 p. l., 480 p. illus., 16 plates (4 double-face; 1 fold.) *Title tr.:* Swedish Expedition to Spitsbergen, 1861, under leadership of Otto Torell. Translated into German as: Torell, O. M., and A. E. Nordenskiöld, *Die schwedischen Expeditionen nach Spitzbergen und Bären Eiland, 1861, 1864 und 1868*, pub. 1869, Pt. 1.

Contains narratives of the voyage to Bear Island and northwest West Spitsbergen, and the four boat journeys of Torell, Nordenskiöld and Chydenius; descriptions of islands, glaciers, bays, the ice, walrus, the birds, seals, weather, geology and animals encountered on land; chapters on Treurenberg (Sorgfjorden), Wijde, Magdalen, Cross and King's Bays and Ice Fiord; history of exploration and the return voyage.

Copy seen: ICJ; MH; NNSf.

3172. CILLEY, JONATHAN PRINCE, 1835-1920. Bowdoin boys in Labrador.

An account of the Bowdoin College Scientific Expedition to Labrador led by Prof. Leslie A. Lee of the Biological Department. Rockland, Me., Rockland Publishing Co., [189-?] 2 p. 1, 71 p.

Journal of the voyage and brief account of the trip up Hamilton River to Grand Falls in 1891.

Copy seen: DLC; NNStef.

3173. CISSARZ, ARNOLD. Petrographische Untersuchungen von Sedimentgesteinen aus Nowaja Semlja und deren metamorphe Umwandlungen. Oslo, 1927. 66 p. illus., 3 plates, tables, maps. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 37) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania). *Title tr.:* Petrographic research on the sedimentary rocks of Novaya Zemlya and their metamorphic changes.

Based on microscopic examination of rock samples collected by members of the expedition, and forming a petrographic supplement to O. Holtehdahl's *On the rock formation of Novaya Zemlya*, 1924; Holtehdahl's paper also serves as a basis for the geologic discussion by Cissarz.

Contains descriptions of sedimentary rocks from fifteen localities; discussion of their stratigraphic relationships and their metamorphism.

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3174. CIVIL ENGINEERING. Studies determine proper construction procedures in permafrost areas. (Civil engineering, July 1947. v. 17, no. 7, p. 29-31, illus.)

Note on the research project at Ladd Field near Fairbanks, Alaska, of the U. S. Army Corps of Engineers, St. Paul District, in cooperation with the University of Minnesota and Purdue University. This paper is attributed to H. J. Manger, in R. E. Frost's *Permafrost*, 1950.

Copy seen: DLC.

3175. CLARK, ALONZO HOWARD, 1850-1918. The Pacific walrus fishery. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 2, p. 311-18, 3 plates)

Contains notes on the Bering Sea and Chukchi Sea distribution, on the habits, method of capture and prepara-

tion of walrus, and on ivory and oil (with statistics, 1870-80).

Copy seen: DF.

3176. CLARK, ALONZO HOWARD, 1850-1918. The whale fishery. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 2, p. 3-218, 11 plates (incl. map) tables)

Contents include: 6. The development of the North Pacific and arctic whale fishery, p. 73-101. (Descriptions drawn from accounts of whalers, tabular data on vessels and catch of oil and bone, 1835-80, vessels' fishing grounds, and catch, 1868-84, in Okhotsk Sea, Kodiak and arctic waters; and for the Davis Strait-Hudson Bay fishery, 1846-79).

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3177. CLARK, AUSTIN HOBART, 1880-. Animal life of the Aleutian Islands. (U. S. Smithsonian Institution. War background studies, 1945. No. 21, p. 31-61, 75-95, illus., 4 plates)

Natural history notes for the general reader, on the birds, land and sea mammals, fresh and saltwater fishes, and land and sea invertebrates.

Appendices: A. List of mammals. (Common and scientific names of fifty-two species).

B. List of birds. (One hundred forty-one species).

C. Keys to the birds.

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3178. CLARK, AUSTIN HOBART, 1880-. Arctic butterflies. (Smithsonian Institution. Annual report, 1934, pub. 1935. p. 267-96, 7 plates)

Contents include a summary account of various parts of the arctic regions in which butterflies and moths have been found, and of the collections made; also descriptive notes on many of the species.

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3179. CLARK, AUSTIN HOBART, 1880-. Biological and oceanographic conditions in Hudson Bay. 11. Echinoderms of Hudson Bay. (Canada. Fisheries Research Board. Journal, 1937. v. 3, p. 350-57, sketch chart)

Results of the Hudson Bay Fisheries Expedition, 1930. Annotated list, with localities, of twenty-six species of sea stars, urchins, and cucumbers, all high arctic forms, none of which is peculiar to the region.

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3180. CLARK, AUSTIN HOBART, 1880- . The birds collected and observed during the cruise of the United States fisheries steamer "Albatross" in the North Pacific Ocean, and in the Bering, Okhotsk, Japan and Eastern Seas, from April to December, 1906. (U. S. National Museum. Proceedings, 1911. v. 38, p. 25-74, illus.)

Contains a journal of the voyage and an annotated list of about one hundred eighty birds, mainly from the Aleutian Islands and Kamchatka.

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3181. CLARK, AUSTIN HOBART, 1880- . Crinoidea. Copenhagen, B. Luno, 1923. 58 p. illus., chart, table. (Ingolf-expedition, 1895-1896. [Reports] v. 4, pt. 5)

Based on collections made by the cruiser *Ingolf* in waters of Davis and Denmark Straits. A list, with geographic and bathymetric ranges, and locations, of ten (including with descriptions, three new) species of these echinoderms; material on Atlantic species, and keys to the species.

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3182. CLARK, AUSTIN HOBART, 1880- . Echinoderms. Ottawa, King's Printer, 1920. 13 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. C)

List, with locations and discussion of distribution, of twenty species from waters between Bering Strait and Bathurst Inlet, with additional list of fifteen species from Hudson Bay area; based on specimens from Eastern Arctic expeditions.

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3183. CLARK, AUSTIN HOBART, 1880- . Echinoderms from Greenland collected by Capt. Robert A. Bartlett. (U. S. National Museum. Proceedings, 1940, pub. 1942. v. 89, p. 425-33, 2 plates)

Report on collections made in waters off the west and east coast of Greenland; list of eighteen species (represented by 909 specimens) with description for two species, one new, and with localities indicated for all.

Copy seen: DLC.

3184. CLARK, AUSTIN HOBART, 1880- . Iceland and Greenland. Washington, 1943. iv, 103 p. illus. (maps) 21 plates on 11 l. (Smithsonian Insti-

tution. War background studies, no. 15. the east coast of James Bay, northward Publication 3735)

The Greenland section (p. 47-103) is a general description of the physical geography, fauna (especially mammals), population, history, Eskimo language, and literature. It includes nine plates chiefly illustrations of settlements. Bibliography p. 100-103.

Map of Greenland shows location of principal places. *Copy seen:* DLC.

3185. CLARK, AUSTIN HOBART, 1880- . A new genus of starfishes from the Aleutian Islands. (U. S. National Museum. Proceedings, 1939, pub. 1940. v. 86, p. 497-500, plate)

Description based on specimens (from Attu and Amchitka) among a collection of shallow-water echinoderms collected by Dr. V. B. Scheffer of the U. S. Bureau of Biological Survey, 1937.

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3186. CLARK, AUSTIN HOBART, 1880- . Results of the Hudson Bay Expedition, 1920. III. The echinoderms, with addendum, by H. L. Clark. (Canada. Biological Board. Contributions to Canadian biology, 1922. New ser., v. 1, p. 21-25)

Based on collections from waters off to, and including Richmond Gulf in Hudson Bay. A list, with localities, depths, and bottom characteristics, of fourteen species of sea urchins, stars and cucumbers.

Copy seen: DLC; DSI-M.

3187. CLARK, AUSTIN HOBART, 1880- . A study of the salinity of the surface water in the North Pacific Ocean and in the adjacent enclosed seas. Washington, Smithsonian Institution, 1912. 1 p. l., 33 p. incl. tables. (Smithsonian miscellaneous collections, v. 60, no. 13)

Results (with tables) of observations made from the U. S. Fisheries steamer *Albatross*, May-Oct. 1906, in the North Pacific Ocean, Bering and Okhotsk Seas, with a résumé of conditions in the North Pacific based on previous work.

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CLARK, AUSTIN HOBART, 1880- , see also Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

CLARK, AUSTIN HOBART, 1880- , see also Wynne-Edwards, V. C., &

others. Biology. (Program of investigations). 1946.

3188. CLARK, BRUCE LAWRENCE, 1880-1945. Fauna of the Poul and Yakataga formations (upper Oligocene) of southern Alaska. (Geological Society of America. Bulletin, Sept. 1932. v. 43, p. 797-846, 8 plates, fold. map)

Contains a discussion of the ecology, correlation and age; descriptions of fifty-two (including twenty-three new) species, and a checklist, of fossil Mollusca collected by the Taliaferro party in 1920, in a region, the geology of which is described in Taliaferro, N. L. *Geology of the Yakataga, Katalla, and Nichawak districts*, 1932.

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CLARK, EINA M., see Rhodes, A. J., & others. Outbreak poliomyelitis in Eskimos. Laboratory invest. 1949.

CLARK, GEORGE C., see Brown, M., & others. Intestinal parasites of Eskimos. 1948.

3189. CLARK, HAROLD BENJAMIN. Museum expedition. (Alaska sportsman, May 1939. v. 5, no. 5, p. 8-9, 30-32, illus.)

Account of the Clark-Kissel Alaskan Expedition, 1937, to Southeast Alaska, for collecting materials, painting, photographing and gathering data on color, rocks and vegetation for the habitat group of mountain goats in the American Museum of Natural History, N. Y.

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3190. CLARK, HENRY W. Alaska: the last frontier. New York, Grosset & Dunlap [c1939] xi p., 3 l., 246 p. fold. front. illus., 6 plates, 6 maps, diagr.

Second edition of his *History of Alaska*, 1930, with some changes in plates and a chapter on Japanese poaching prior to World War II.

Copy seen: DLC; NNStef.

3191. CLARK, HENRY W. History of Alaska. New York, Macmillan Co., 1930. x p., 3 l., 208 p. illus. 14 plates, 6 maps (incl. double-face front.)

Contains chapters on geography and climate, ethnology, history, the Gold Rush, international problems, government, and social and economic development.

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CLARK, HUBERT LYMAN, 1870-1947, see Agassiz, A., & H. L. Clark. Prelim-

inary report on the Echini *Albatross* 1906. 1907.

CLARK, HUBERT LYMAN, 1870-1947, see Clark, Austin Hobart. Results Hudson B. Exped. 1920. Echinoderms. 1922.

3192. CLARK, LOIS, 1884- , and T. C. FRYE. Attu Island Hepaticae collected by Howard. (Bryologist, Dec. 1948, v. 51, p. 252-55)

Annotated list, with distribution in the North American Arctic, of forty-eight species of liverworts collected in 1945 by M. B. Howard, representing 30 species new to Attu Island, 19 new to Aleutian Islands and 7 new to Alaska, with a bibliography (20 items).

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3193. CLARK, LOIS, 1884- , and T. C. FRYE. A small collection of Alaskan Hepaticae. (Bryologist, June 1949. v. 52, p. 58-61)

List, with locations, of twenty-five species of liverworts collected from Attu and Adak Islands and from Whittier (Prince William Sound region) 1944-46; with a bibliography (11 items).

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3194. CLARK, LOIS, 1884- , and T. C. FRYE. Some Hepaticae of Alaska. (Bryologist, June 1942. v. 45, p. 63-72, sketch map)

List of localities on the Aleutian Islands, south Alaskan coast and Southeast Alaska, Kotzebue Sound and Kodiak Island; list, with localities, of seventy-six species of liverworts previously unrecorded, and a bibliography (25 items).

Copy seen: DA.

CLARK, LOIS, 1884- , see also Frye, T. C., & L. Clark. Attu I. bryophytes by Hardy. 1946.

3195. CLARK, THOMAS HENRY, 1893- . A fossil bison skull from Yukon territory. (Canadian field naturalist, Mar. 1927. v. 41, p. 45-47, illus.)

Discussion of Pleistocene bison and description of a partial skull from the Dawson region gold gravels.

Copy seen: DLC.

3196. CLARK, WALTER ELI, 1869- . Alaska. Boston, Marshall Jones Co., [c1910]. viii, 1477-1684 p. illus., 29 plates, fold. map. (Browne, G. W., and N. H. Dole. The new America and the Far East. v. 9)

History of Alaska (of which author was governor, 1909-1913) and description of southeast coast and waterways, the Yukon River, St. Michael and Nome, Sitka, reindeer, Eskimos, glaciers, and the Aleutian Islands.

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3197. CLARKE, CHARLES HENRY DOUGLAS, 1909- . A biological investigation of the Thelon Game Sanctuary. Ottawa, King's Printer, 1940. iv, 135 p. illus., plate, 3 fold. maps. (Canada. National Museum. Bulletin, no. 96. Biological ser., no. 25)

This sanctuary (primarily for preservation of the musk ox) was set aside by order-in-council, July 15, 1927. It is an area of irregular shape, lying (roughly) between 63°-65°N. 101°-107°W., in the valley of the Thelon River, in the Barren Grounds of Northwest Territories. The sanctuary was investigated by the author and W. H. B. Hoare for the National Museum in 1937, of which this paper is the report. It contains a brief itinerary, a description (in brief) of the history, Indians, Eskimos, physical geography, routes, Thelon River and valley, and vegetation of the area; lists, with field notes, of thirty-four mammals, and one hundred fourteen birds; and notes (in brief) on the fur trade, and cycles and diseases of fur-bearing animals.

Full discussion of the distribution, movements, original numbers and distribution, and factors affecting increase and decrease of the musk ox; of the Barren Ground caribou in the sanctuary and on the barrens of Mackenzie and Keewatin, its migration, numbers, increase and decrease, forage, predators, hunting, and importance to the natives.

Annotated list of thirteen fishes, giving localities and field notes; general description of the fisheries, including spawning and seasonal movements of fish, and tables on age groups, size and growth. Bibliography, p. 127-35.

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3198. CLARKE, CHARLES HENRY DOUGLAS, 1909- . Notes on the status and distribution of certain mammals and birds in the Mackenzie River and western arctic area in 1942 and 1943. (Canadian field naturalist, May-June 1944. v. 58, p. 97-103)

Results of the author's field work during July-Oct. 1942 in the northern Mackenzie District and reports to the author from other observers during the ensuing year. Notes on bears, foxes, the marten, fisher, mink, wolf, lynx, beaver, muskrat, porcupine, deer, moose, caribous, musk ox, whales, walrus and seal; also records on twenty-four birds.

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3199. CLARKE, CHARLES HENRY DOUGLAS, 1909- . Some bird records for Yukon Territory. (Canadian field naturalist, Mar.-Apr. 1945. v. 59, p. 65)

New record of four species, noted in the summer of 1943.

Copy seen: DLC.

CLARKE, CHARLES HENRY DOUGLAS, 1909- , see also Anderson, James. Chief Factor James Anderson's Back River journal 1855. 1940-41.

3200. CLARKE, SAMUEL FESSENDEN, 1851-1928. An Alaskan corympha-like hydroid. (U. S. National Museum. Proceedings, 1902 pub. 1903. v. 26, p. 953-58, illus.)

Revision of the genus *Rhizonema*, recorded as apparently new in the author's *Report on the hydroids . . . collected by W. H. Dall, 1871 to 1874, 1876, q.v.*; with further description of specimens collected in Norton Sound by L. M. Turner in 1875.

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3201. CLARKE, SAMUEL FESSENDEN, 1851-1928. Report on the hydroids collected on the coast of Alaska and the Aleutian Islands, by W. H. Dall, U. S. Coast Survey, and party, from 1871 to 1874 inclusive. (Academy of the Natural Sciences of Philadelphia. Proceedings, 1876. Ser. 3, v. 6, p. 209-238, 10 plates)

Descriptions of forty-two species of polyps, mainly from waters off the Aleutian Islands and southeastern Alaskan coast, a few also from Bering Sea and Strait; with remarks on the faunal regions.

Preceding this paper is an introductory note by W. H. Dall, *On the marine faunal regions of the North Pacific*, [etc.] *ibid.* p. 205-208.

A reclassification was published by S. F. Clarke, *An Alaskan corympha-like hydroid*, 1903, q.v.

Copy seen: DLC.

3202. CLARKE, TOM E. Wealth of the northern seas. (Alaska sportsman, Oct. 1949. v. 15, no. 10, p. 10-11, 27-32, illus.)

Account of the king crab fishing industry in Bering Sea, with notes on the sea-going freezing unit of one company, and methods of processing the crab.

Copy seen: DLC.

3203. CLARKE, TOM E. When he lays his ears back, look out. (Alaska sportsman, June, 1947. v. 13, no. 6, p. 14-17, 25-33, illus.)

On the Kenai Peninsula moose, *Alces gigas*, its appearance there in recent time, seasonal habits, disposition, and life history.

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3204. CLARKE, W. R. Looking to the North. (Precambrian, Dec. 1948. v. 21, no. 12, p. 11, sketch map)

On the new highway completed between Grimshaw, Alberta, and Hay River, Great Slave Lake.

Copy seen: DGS.

3205. CLARKE, WILLIAM EAGLE, 1853-1938. An epitome of Dr. Walter's ornithological results of a voyage to East Spitsbergen, in the year 1889. (Ibis, Jan. 1899. Ser. 7, v. 5, p. 42-51)

A summary in English of A. Walter, *Ornithologische Ergebnisse der von der Bremer geographischen Gesellschaft im Jahre 1889 veranstalteten Reise nach Ostspitzbergen*, 1890, q.v., including an annotated list of twenty-five birds, showing all localities.

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3206. CLARKE, WILLIAM EAGLE, 1853-1938. On a collection of birds from Fort Churchill, Hudson's Bay. (Auk, Oct. 1890. v. 7, p. 319-22)

List of seventy-seven species collected by one of the officers of Hudson's Bay Co. in the early 19th century.

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3207. CLARKE, WILLIAM EAGLE, 1853-1938. On the avifauna of Franz Josef Land. (Ibis, Apr. 1898. Ser. 7, v. 4, p. 249-77)

"With notes by Wm. S. Bruce, of the Jackson Harmsworth Expedition," and information on dates of arrival and departure of birds, supplied by Dr. Koettlitz, the geologist of the expedition. An annotated list of twenty-two species, including all specimens from the Jackson Harmsworth Expedition,

1894-97, and records from earlier expeditions.

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CLARKE, WILLIAM EAGLE, 1853-1938, *see also* Bruce, W. S., & W. E. Clarke. Mammalia & birds Franz Josef Land. 1899.

3208. CLASE, BÖRJE LEONARD EUGEN, 1885-1911. Kapten Clases dagbok från Svenska polarexpeditionens övervintring 1872-1873. Utdrag av C. B. Erikson. (Ymer, 1936. Årg. 56, p. 81-92, illus.) *Title tr.:* Captain Clase's diary from the wintering of the Swedish Arctic Expedition, 1872-1873. Excerpts by C. B. Eriksen.

Covers daily life Nov. 1872-June, 1873 on board the transport ship *Onkel Adam*, chiefly at Mossel Bay, West Spitsbergen.

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3209. CLAUDIUS, MATTHIAS. Das Gehörorgan von *Rhytina stelleri*. St.-Petersbourg, 1867. 1 p. l., 12 p. 2 l. 2 plates. (Akademiia nauk SSSR. Mémoires. Sér. 7, t. 11, no. 5) *Title tr.:* The hearing organ of *Rhytina stelleri*.

Detailed anatomical study of the sea cow.

Copy seen: DSI.

CLAUSEN, JULIUS EMIL FERDINAND, 1868- , *see* Janssen, C. E. Grønlandspraests optegnelser, 1844-49. 1913.

3210. CLAVERING, DOUGLAS CHARLES, 1794- . Journal of a voyage to Spitzbergen and the east coast of Greenland, in His Majesty's Ship *Griper*. (Edinburgh new philosophical journal, July 1830. New ser. v. 9, p. 1-30, fold, map)

The author commanded the *Griper* on a voyage in 1823, primarily to enable Capt. Sabine to make pendulum observations. The ship sailed to Norway, West Spitsbergen then East Greenland and reached Shannon Island (which Clavering named) in July. Capt. Clavering explored Gael Hamke Bay and adjacent shores by rowboat, while observations were made on Pendulum Islands. His journal includes remarks on the ice conditions, and on Eskimos encountered in the region of Gael Hamke Bay.

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3211. CLAYTON, HENRY HELM, 1861- . The bearing of polar meteorology on world weather. (*In:* American Geographical Society, N. Y. Problems in polar research, 1928. p. 26-37, diagrs., 4 maps)

Brief statement of the conditions which determine the variations in atmospheric circulation which obtain in the Arctic and in the region between the Arctic and the lower latitudes: distribution on land and water, movement of the water, rotation of the earth, decreasing density of air with increasing height, and the irregular radiation and absorption in the atmosphere; with notes on cold waves and polar fronts and the interrelation of polar ice conditions, atmospheric pressure, and solar radiation. *Copy seen:* DLC.

3212. CLEAVE, JOHN W. Valdez toward Copper River. (*In:* U. S. Adjutant-General's Office, Military Information Division. Reports of explorations in the Territory of Alaska [etc.], 1898, pub. 1899, p. 409-415)

Subreport by a party of the U. S. Military Exploring Expedition in Alaska, No. 2, 1898. It gives an account of an exploring trip in June and July from Valdez to the Tasnuna River in search of a route to the Copper River. Includes general description of the character of the terrain.

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3213. CLEAVES, ARTHUR BAILEY, 1905- , and **E. F. FOX.** Geology of the west end of Ymer Island, East Greenland. (Geological Society of America, Bulletin, Mar. 1935, v. 46, p. 463-87, illus., 3 plates, fold. diagr.)

Results of the John K. Howard Expedition to East Greenland, 1933. Descriptions of the physiography, general geology, stratigraphy, and structure (including the Franz Joseph Fiord region); a discussion of the origin of the fiords, and descriptions of one arachnid and three gastropod fossils.

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CLEMITSON, F. E., *see* Holt, N. G., & F. E. Clemitson. Notes on behavior of H. M. ships. 1948.

3214. CLEMMENSEN, M O G E N S, 1885- . Kirkeruiner fra nordbotiden m.m. i Julianehaab distrikt, undersøgelsesrejse i sommeren 1910. (Meddelelser om Grønland, 1911. Bd. 47, p. 283-358, illus., maps (1 fold.) diagrs.) *Title tr.:* Norse church ruins etc. in Julianehaab District; a scientific journey during the summer of 1910.

Description of the church ruins at Kakortok, with historical information

about the church; also discussion of church ruins and archeological objects in the Tunugdliarfik and Igaliko Fiord regions and on islands south of Julianehaab. *Copy seen:* DLC.

CLEVE, ASTRID, *see* Euler-Chelpin, Astrid Maria (Cleve), 1875- .

3215. CLEVE, PER TEODOR, 1840-1905. Diatomacéer från Spetsbergen. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1867, pub. 1868. Årg. 24, p. 661-69, plate 23) *Title tr.:* Diatoms from Spitsbergen.

List, with references to literature, localities and some remarks of sixty-seven diatoms collected by Dr. Malmgren in West Spitsbergen waters, Greenland Sea and in a lake in Danish Island, off West Spitsbergen during the Swedish Expeditions to Spitsbergen, 1861 and 1864.

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3216. CLEVE, PER TEODOR, 1840-1905. Diatoms collected during the expedition of the Vega. (*In:* Norden-skiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 3, p. 455-517, 3 tables)

Contains a list, with synonymy and remarks, of the species, of twenty-one families of diatoms from the Chuckchi Sea and Bering Strait, including notes on locations and occurrence in other arctic waters; also a list of six surface diatoms from Bering Sea.

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3217. CLEVE, PER TEODOR, 1840-1905. Diatoms from Baffins Bay and Davis Strait collected by M. E. Nilsson and examined by P. T. Cleve. Stockholm, P. A. Norstedt & Söner, 1896. 22, [2] p. illus., 2 plates. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 22, afd. 3, no. 4)

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3218. CLEVE, PER TEODOR, 1840-1905. Diatoms from Franz Josef Land, collected by the Harnsworth-Jackson Expedition, and examined by P. T. Cleve. Stockholm, P. A. Norstedt & Söner, 1898. 26 p. illus., tables. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 24, afd. 3, no. 2)

Discussion mainly of fresh-water diatoms with a few brackish and marine forms from a floe; and a list of all arctic fresh-water diatoms with locations, p. 11-23. *Copy seen:* DLC.

3219. CLEVE, PER TEODOR, 1840-1905. The diatoms of Finland. Helsingfors, T. Simelius, 1891. 68, ii p. 3 plates. (Societas pro fauna et flora fennica. Acta 1890-1893, *pub.* 1891. v. 8, no. 2)

Contains data on systematic arrangement of diatoms of Finland and a systematic list of over three hundred fifty species, including descriptions of about fifty new forms and many native to Finnish and Russian Lapland.

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3220. CLEVE, PER TEODOR, 1840-1905. Färskvattens-diatomacéer från Grönland och Argentinska republiken. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1881. Årg. 38, no. 10, p. 3-13) *Title tr.:* Fresh-water diatoms from Greenland and the Argentine Republic.

Contents include list of diatoms collected in West Greenland during Holst's Geological Journey to Greenland, 1880.

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3221. CLEVE, PER TEODOR, 1840-1905. Microscopical examination of dust from drift-ice north of Jan Mayen. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1900. Årg. 57, p. 393-97)

Based on samples collected by the Swedish Expedition to East Greenland 1899, from ice of the East Greenland Polar Current.

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3222. CLEVE, PER TEODOR, 1840-1905. Mikroskopisk undersökning af stoft, funnit på driftis i Ishafvet. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1899. Årg. 56, p. 123-30) *Title tr.:* Microscopic examination of dust found on drift ice in the Arctic Ocean.

List of species, especially of diatoms, found in dust on ice in the Greenland Sea during the Swedish Arctic Expedition, 1898, with indication of distribution in other arctic waters.

Copy seen: DLC.

3223. CLEVE, PER TEODOR, 1840-1905. On diatoms from the arctic sea. Stockholm, P. A. Norstedt & Söner, 1873. 28, [1] p. illus., 4 plates. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 1, no. 13)

Systematic enumeration of one hundred forty-four diatoms from Greenland Sea, Davis Strait, Svalbard and Finnmarken waters.

Copy seen: DLC.

3224. CLEVE, PER TEODOR, 1840-1905. Plankton collected by the Swedish Expedition to Spitzbergen in 1898. Stockholm, P. A. Norstedt, 1899. 48 p. 4 plates. (Svenska vetenskapsakademien. Handlingar. Ny följd, bd. 3, no. 3)

Contains list, with remarks on the specimens and locations (with sea temperature), of plankton collected in Greenland Sea and the Svalbard waters during the Swedish Arctic Expedition, 1898; also list of stations and discussion of plankton types.

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3225. CLEVE, PER TEODOR, 1840-1905. Report on the plankton collected by the Swedish Expedition to Greenland in 1899. Stockholm, P. A. Norstedt, 1900. 21 p. tables (Svenska vetenskapsakademien. Handlingar. Ny följd, bd. 34, no. 3)

Tables, indicating date, locality (and marine conditions), of species collected chiefly in the Greenland Sea and the East Greenland fiords during the Swedish Expedition to East Greenland, 1899.

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3226. CLEVE, PER TEODOR, 1840-1905. Synopsis of the naviculoid diatoms. I-II. Stockholm, P. A. Norstedt & Söner, 1894-95. 2 pt. pt. I: 194 p. 5 plates; pt. II: 219 p. 4 plates. (Svenska vetenskapsakademien. Handlingar, 1894. Bd. 26, no. 2; *ibid.* 1895. Bd. 27, no. 3)

Contains a systematic enumeration of all known marine, fresh-water and fossil naviculoid diatoms, with artificial keys, critical notes, description of new species and forms; with data on geographical distribution throughout the world, including all arctic regions; index of the species, p. 198-219.

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3227. CLEVE, PER TEODOR, 1840-1905, and A. GRUNOW. Beiträge zur Kenntniss der arktischen Diatomeen. Stockholm, P. A. Norstedt, 1880. 121 p. 7 plates (Svenska vetenskapsakademien. Handlingar, bd. 17, no. 2) *Title tr.:* Contribution to the knowledge of the arctic Diatomaceae.

Contains a list of diatoms of northern Finland, Kara Sea (marine and fresh-water from the bottom), Yamal Peninsula and Yenisey River, collected by the members of Nordenskiöld's expedi-

tion to the mouth of Yenisey River in 1875-76, and critical revision of all these species, preliminary to a monographic description of various genera of Diatomaceae; includes many new species and varieties.

Copy seen: DLC; MH.

CLEVE, PER TEODOR, 1840-1905, *see also* Linko, A. K. Plankton Ekaterinen-sköi gavani. 1906.

CLEVE, PER TEODOR, 1840-1905, *see also* Pettersson, S. O., & G. Ekman. Hydrographischen Verhältnisse. 1898.

CLEVE von EULER, ASTRID MARIA, *see* Euler-Chelpin, Astrid Maria (Cleve), 1875-

CLIFTON, JOHN TALBOT, 1868-1928, *see* Clifton, Mrs. V. M. B. Book of Talbot. 1933.

3228. CLIFTON, Mrs. VIOLET MARY (BEAUCLERK). The book of Talbot. New York, Harcourt, Brace and Co., [c1933] 5 p. l., 3-439, [1] p. front, ports., fold. maps.

From the diaries of John Talbot Clifton, 1868-1928, who spent a few months in the Klondike, 1895; six months, 1897-98 in the Barren Grounds, with the Eskimos of Chesterfield Inlet (sledging to Churchill during the winter months), and ten months, 1901-1902, in the Lena River region of Yakutia.

Copy seen: DLC; NNStef.

3229. CLOOS, HANS. Zur Tektonik der Ostküste von Grönland. (*In:* Naturforschende Gesellschaft Schaffhausen. Grönland 1939. *Pub.* in its: Mitteilungen, 1940, *pub.* 1939. Bd. 16, p. 179-81) *Title tr.*: Tectonics of the east coast of Greenland.

General remarks on questions concerning East Greenlandic tectonics, based on papers in the same volume by H. Büttler, A. Vischer, H. Stauber, and W. Bierther.

Copy seen: DGS.

3230. CLOSE, Sir CHARLES ARDEN, 1865-. The geodetic evidence for the supposed westerly drift of Greenland. (Geographical journal, Feb. 1924. v. 63, p. 147-50)

Discussion of the geodetic work on Greenland from that of Sabine in 1823, to the Danish West Greenland Expedition, 1922, and its relation to the Wegener theory of continental drift.

Copy seen: DLC.

3231. CLOUDSLEY-THOMPSON, J. I. On spiders from north-east Greenland, 1948. (Annals and magazine of natural history, Aug. 1949. Ser. 12, v. 2, p. 398-400)

Based on collections made by the Leeds University Expedition, July-Aug. 1948. Record of species (five in all) found at each of five localities between 74°28'-74°57'N., with mention of two spiders from Bear Island, 1948.

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3232. CLOUGHER, NUGENT M. The Hudson Bay Railway and Hudson Bay Route. (Institute of Transport, London. Journal, June 1930. v. 11, p. 392-96)

History of the various opinions on the building of the railway, choice of ports, and the construction problems encountered; with brief remarks on the Hudson Bay Route.

Copy seen: DBRE; NNStef.

3233. CLUT, ISIDORE. Journal du voyage de Mgr. Clut au Territoire d'Alaska (ancienne Amérique russe). (Missions de la congrégation des Oblats de Marie Immaculée, 1874. T. 12, p. 241-94, 357-74) *Title tr.*: Journal of Bishop Clut's Expedition to Alaska (Russian America).

Contains a report on the author's journey from Peel River (Fort McPherson) to Fort Yukon, accompanied by one other Oblate father; of their cool reception by the Protestant Indians, and of their further journey to St. Michael at the mouth of the Yukon River, 1872-1873.

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3234. CLUTTERBUCK, HUGH M. and others. Akpatok Island (Hudson Strait): The Oxford University Exploration Club's Expedition, 1931. (Geographical journal, Sept. 1932. v. 80, p. 211-33, illus. (incl. 2 sketch maps) 4 plates (incl. map)

Contains a narrative of the expedition activities, including remarks on Port Burwell, and a description of the physical features of Akpatok Island, followed by a discussion of the paper by others, p. 230-33.

Appendices: 1. COX, I. H. The physical geography of Akpatok Island.

2. DAVIS, D. H. S. The animal communities,

3. POLUNIN, N. V. Some notes on the vegetation.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DLC.

3235. CLUTTERBUCK, WALTER J. The skipper in arctic seas. London & New York, Longmanns, Green, & Co., 1890. viii, 271 p. front., illus., 8 plates, ports., fold. map.

The story of a cruise, May-Sept. 1888, made by two sportsmen in a chartered whaling vessel, from Peterhead into the northern Greenland Sea and among the fiords of West Spitsbergen. *Copy seen:* DLC; NNSf.

3236. COATS, ROBERT ROY, 1910- Asbestos deposits of the Dahl Creek area, Kobuk River district, Alaska. Washington [1944?] 4 p. 2 maps (1 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Description of locality, geology and (in detail) the deposits at about 66°50' N. 156°55' W. examined Aug. 1943.

Maps include: a geologic sketch map, scale 1 cm: 25 ft. *Copy seen:* DGS.

3237. COATS, ROBERT ROY, 1910- Graphite deposits on the north side of the Kigluaik Mountains, Seward Peninsula, Alaska. Washington, 1944. 8 p. 2 maps. (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Notes on early mining activity, the general geology, distribution and characteristics of the graphite occurrences and reserves, with suggestions to prospectors in the area (roughly about 65°N. 165°40'W.) examined by the author in June 1943.

Copy seen: DGS.

3238. COATS, ROBERT ROY, 1910- Lode scheelite deposits of the Nome area, Seward Peninsula, Alaska. Washington, [1944?] 6 p. 4 maps (1 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Description of lode and placer occurrences of tungsten ore in the area between 64°25'-45'N. 165-165°30' W. based on the author's investigations of known lode deposits and search for undiscovered deposits during July-Aug. 1943. Includes a list of valleys examined with results of search indicated.

Copy seen: DGS.

3239. COATS, ROBERT ROY, 1910- Occurrences of scheelite in the Solomon district, Seward Peninsula, Alaska. Washington, 1944. 4 p., map, diagr. (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Notes on scheelite associated with gold lode and placer deposits in amounts "insufficient to make worthwhile its recovery," on Big Hurrah Creek, thirty-five miles east of Nome (roughly 64°35'N. 164°20'-25' W.) Results of the author's examination in July, 1943.

Copy seen: DGS.

3240. COATS, ROBERT ROY, 1910- , and **JOSEPH J. FAHEY.** Siderophyllite from Brooks Mountain, Alaska. (American mineralogist, 1944. v. 29, p. 373-77)

Analysis of mica from one of the York Mts. on Seward Peninsula.

Copy seen: DGS.

3241. COATS, ROBERT ROY, 1910- , and **P. L. KILLEEN.** Fluorite reserves at the Lost River tin mine, Seward Peninsula, Alaska. Washington, [1944?] 3 p. (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Brief notes on country rock, the cassiterite dyke and associated fluorite, the ore reserves, and discovery problems, at Cassiterite Creek, about 65°27'35"N. 167°08'W.

Copy seen: DGS.

COATS, ROBERT ROY, 1910- , see also Reed, J. C., & R. R. Coats. Geology & ore deposits of Chichagof, 1941.

3242. COBB, JOHN NATHAN, 1868-1930. The commercial fisheries of Alaska in 1905. Washington, U. S. Govt. Print. Off., 1906. 46 p. incl. tables. (U. S. Fish and Wildlife Service. Report of the Commissioner of Fisheries 1905. Special paper no. 2. Fisheries document no. 603)

Contains notes on the importance and the fishing grounds of Alaskan fisheries; discussion and data on cod, halibut, herring and salmon fisheries, including history, fishing banks or stations, methods, and canning, salting or freezing of catch; brief notes on aquatic furs (beaver, muskrat, land and sea otter, fur seal) and on aquatic animals (grampus, hair seals, sea lion,

walrus) and whaling by the Eskimos; general statistics. *Copy seen: DF.*

3243. COBB, JOHN NATHAN, 1868-1930. Pacific cod fisheries. Washington, U. S. Govt. Print. Off., 1916. 111 p. 9 plates, fold. map. (U. S. Fish and Wildlife Service, Report of the U. S. Commissioner of Fisheries, 1915. Appendix 4. Fisheries document 830)

Contains notes on the natural history of the cod, descriptions of banks frequented (including Davidson, Sannak, Shumagin, Albatross, and Portlock Banks), history of the Pacific fishery and the Alaska shore-fishing stations; persons employed, vessels and boats, season, methods, preparation for market, and statistics of the industry, fleet, and catch; with a bibliography.

Copy seen: DF.

3244. COBB, JOHN NATHAN, 1868-1930. Pacific cod fisheries. (U. S. Fish and Wildlife Service, Report of the U. S. Commissioner of Fisheries, 1926, pub. 1927. p. 385-499, illus., tables. Fisheries document no. 1014)

A revision (without map, showing extent and location of cod banks) of the author's *Pacific cod fisheries*, 1916, q.v. The new edition contains in addition to the detailed descriptions in the earlier work, detailed data of fishing fleet, 1863-1925, and operations of the transporting fleet, 1876-1925; with statistics of catch, employment, etc., through 1925.

Copy seen: DF.

3245. COBB, JOHN NATHAN, 1868-1930. Pacific salmon fisheries. Washington, U. S. Govt. Print. Off., 1917. 255 p. 29 plates. (U. S. Fish and Wildlife Service, Report of the U. S. Commissioner of Fisheries, 1916. Appendix 3. Fisheries document no. 839)

A second edition of his, *The salmon fisheries of the Pacific Coast*, 1911, q.v. with an additional chapter on Siberia, the nutritive value of salmon, and new statistics.

Copy seen: DF.

3246. COBB, JOHN NATHAN, 1868-1930. The salmon fisheries of the Pacific Coast. Washington, U. S. Govt. Print. Off., 1911. 179 p. tables. (U. S. Fish and Wildlife Service, Report of the U. S. Commissioner of Fisheries, 1910. Special papers no. 7. Fisheries document no. 751)

Second edition, *Pacific salmon fisheries*, 1917, was published as Appendix

3 to Report, 1916, Fisheries document no. 839; third edition, *Pacific salmon fisheries*, was published as Appendix I to Report, 1921, Fisheries document no. 902; fourth edition, *Pacific salmon fisheries*, 1931, was published as Appendix 13, to Report, 1930, Fisheries document no. 1092.

Contents include: 1. The species of salmon and runs.

2. Fishing grounds and history of the fisheries (includes: Southeast Alaska, Prince William Sound and Copper River, Cook Inlet, Afognak and Kodiak Islands, Chignik Bay, Alaska Peninsula, Shumagin and Sannak Islands, Bering Sea (Bristol Bay) and a number of rivers).

3. Apparatus and methods of the fisheries.

4. Fishermen, other employees, etc.

5. Fishery regulations.

6. Methods of preparing (canning, curing, etc.)

7.-10. Catch, statistical data, trade (etc.).

11. Salmon culture (including Alaska).

Copy seen: DF.

COBB, JOHN NATHAN, 1868-1930, see also U. S. Bureau of Fisheries. Fisheries of Alaska 1906-10. 1907-11.

3247. COBB, NATHAN A. Neue parasitische Nematoden. (*In:* Kükenthal, W. Beiträge zur Fauna Spitzbergens. Pub. in: Archiv für Naturgeschichte, 1889. Jahrg. 55, Bd. 1, p. 149-51, plate) *Title etc. tr.:* New parasitic nematodes. (Contributions to Spitzbergen fauna)

An extract from the author's *Beiträge zur Anatomie und Ontogenie der Nematoden, 1888*, containing descriptions of three new species from white whales and seals, found in Advent Bay and other Svalbard waters in 1886, by Dr. Kükenthal. *Copy seen: DSI-M.*

3248. COCHRAN, R. E. That Labrador iron ore. (Engineering and mining journal, Nov. 1948. v. 149, no. 11, p. 88-92, illus., sketch map)

Notes on the location and extent of the ore bodies on the Labrador-Quebec border, recent history of prospecting there, personnel of the companies involved; discussion of the concessions; renewed interest in the St. Lawrence waterway in connection with transportation for industry at the new mines; difficulties of developing railway to the St. Lawrence. *Copy seen: DGS.*

3249. COCHRANE, JOHN DUNDAS, 1780-1825. Narrative of a pedestrian journey through Russia and Siberian Tartary, from the frontiers of China to the Frozen Sea and Kamtchatka; performed during the years 1820, 1821, 1822, and 1823. Philadelphia, H. C. Carey, & I. Lea [etc.] New York, Collins & Hannay, 1824. xii, 415 p. diagr.

First published in London 1824, by John Murray (copy at Princeton University) and Charles Knight (copy at Yale University)

Capt. Cochrane's journey, intended originally to fill in, by land exploration, the unmapped sections of the arctic coast of northeastern Siberia and northwestern America, was curtailed because of the prior expeditions of Wrangell (whom Cochrane met at Verkhne-Kolymsk, 65°45'N. 150°46'E.) and Vasiliev. The narrative contains non-scientific accounts of travel by horse, dog, reindeer, and foot from Yakutsk to the lower Kolyma River area (p. 148-209), thence southward to Okhotsk (p. 210-46), and later through Kamchatka (p. 265-312). Includes notes on the country traversed and on the native peoples, with observations on the food consumption of Yakuts (p. 155-59); description of an annual fur-trading fair between the Russians and Chukchis (p. 187-200); general notes on the Chukchis (p. 200-206), and description of the social conditions of the Kamchadals and of the economic possibilities of their land. *Copy seen:* DLC.

3250. COCHRANE, JOHN DUNDAS, 1780-1825. A pedestrian journey through Russia and Siberian Tartary, to the frontiers of China, the Frozen Sea, and Kamchatka. New ed. Edinburgh, Printed for Constable and Co.; [etc., etc.] 1829. 2 v.: xxxiv, 326 p.; vi, 262 p. front., fold map.

Fifth edition of Cochrane's narrative, with addition of brief biographical "advertisement" of Cochrane and his wife, and with author's prefaces to second and third editions replying to attacks upon his statements by the *Quarterly review*.

Sketch map of Chukchi area from the Kolyma River to East Cape shows route of Major Paulutzki.

Copy seen: DLC.

3251. COCKFIELD, WILLIAM EGBERT, 1890- Aishihik Lake district,

Yukon. (Canada. Geological Survey. Summary report, 1926, *pub.* 1927. Pt. A, p. 1-13, fold. map)

Contains a description of the topography, general geology and mineral deposits of the area, 60°45'-61°30'N., 136°-137°30'W. *Copy seen:* DLC.

3252. COCKFIELD, WILLIAM EGBERT, 1890- Dezadeash Lake area, Yukon. (Canada. Geological Survey. Summary report, 1927, *pub.* 1928. Pt. A, p. 1-7, fold. map)

Contains descriptions of the topography and general geology, with mention of possible mineral deposits (especially gold) in the area, 60°-60°45'N., 136°-137°15'W., which includes Kusawa (Arkell) Lake. *Copy seen:* DLC.

3253. COCKFIELD, WILLIAM EGBERT, 1890- Explorations in southern Yukon. (Canada. Geological Survey. Summary report, 1922, *pub.* 1923. Pt. A, p. 1-8)

Contains notes on the general geology and a brief statement of the mineral resources (gold, silver, lead and coal). *Copy seen:* DLC.

3254. COCKFIELD, WILLIAM EGBERT, 1890- Explorations in Yukon Territory. (Canada. Geological Survey. Summary report, 1917, *pub.* 1918. Pt. B, p. 1-9)

Contains report on the topography, general geology and the gold deposits of the Sixtymile and Ladue River valleys, explored and mapped in 1917.

Copy seen: DLC.

3255. COCKFIELD, WILLIAM EGBERT, 1890- Geology and ore deposits of Keno Hill, Mayo district, Yukon. (Canada. Geological Survey. Summary report, 1923, *pub.* 1924. Pt. A, p. 1-21, illus. (diags.) fold. map)

Contains a report on the general geology, ore genesis, and on the ores and minerals, with a description of the mining properties (silver).

Copy seen: DLC.

3256. COCKFIELD, WILLIAM EGBERT, 1890- Little Salmon area, Yukon. (Canada. Geological Survey. Summary report, 1928, *pub.* 1929. Pt. A, p. 1-10, fold., col. map)

Contains a description of the topography, geology and mineralogy of the area between 62°-62°30'N. 133°-135°45'W., drained by a stream tributary to the Lewes River. *Copy seen:* DLC.

3257. COCKFIELD, WILLIAM, EG-BERT, 1890- . Mayo area, Yukon. (Canada. Geological Survey, 1918, *pub.* 1919. Pt. B, p. 1-15)

Contains a preliminary report on the mineral resources of the upper Stewart River district, including silver-lead, gold, and tungsten. The platinum occurrence is reported by O'Neill, J. J., *The platinum situation in Canada*, 1918, *pub.* 1919, q.v.

Copy seen: DLC.

3258. COCKFIELD, WILLIAM EG-BERT, 1890- . Pueblo, Tamarack-Carlisle, and War Eagle-Leroi properties, Whitehorse copper belt, Yukon. (Canada. Geological Survey. Summary report, 1927, *pub.* 1928. Pt. A, p. 14-18)

Contains a brief summary of the ore deposits (chiefly copper) and a report on mining operations.

Copy seen: DLC.

3259. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver-lead deposits of Beaver River area, Yukon. (Canada. Geological Survey. Summary report, 1923, *pub.* 1924. Pt. A, p. 22-28, *illus.*)

Contains a report on the ores from the various claims of the area.

Copy seen: DLC.

3260. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver lead deposits of Davidson Mountains, Mayo District, Yukon. (Canada. Geological Survey. Summary report, 1921, *pub.* 1922. Pt. A, p. 1-6, *illus.*, plate, 3 fold. col. maps)

Contains notes on the general geology of the area, and a description of the deposits and of the mining properties, with geological maps (scale 1:12,000) of Stand-to Hill, Rambler Hill, and Mt. Cameron.

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3261. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver-lead deposits of Fifteen-mile Creek, Yukon. (Canada. Geological Survey. Summary report, 1927, *pub.* 1928. Pt. A, p. 8-10)

Report on three localities, twenty-five miles below Dawson on the Yukon River.

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3262. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver-lead deposits of Rude Creek, Yukon. (Canada. Geological Survey. Summary report, 1927. *pub.* 1928. Pt. A, p. 11-13)

Contains brief summary of general geology and a description of the depos-

its on a tributary of Klotassin River, about fifteen miles west of the Yukon River.

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3263. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver-lead deposits of the Keno Hill area, Mayo district, Yukon. (Canada. Geological Survey. Summary report, 1920, *pub.* 1921. Pt. A, p. 1-6, *illus.* (sketch map), fold. col. map)

Contains results of a topographic survey and geological investigation of the ore deposits, with notes on the mining operations.

Map: Topographic and geological (scale 1:12,000) Keno Hill area, about 63°55'-64°N., 135°05'-135°20'W.

Copy seen: DLC.

3264. COCKFIELD, WILLIAM EG-BERT, 1890- . Silver-lead deposits of the Twelvemile area, Yukon. (Canada. Geological Survey. Summary report, 1918, *pub.* 1919. Pt. B, p. 15-17)

Contains results of a preliminary survey with notes on topography and general geology, in the region of Twelvemile (Chandindu) River, a right tributary of the Yukon, 17 miles below Dawson.

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3265. COCKFIELD, WILLIAM EG-BERT, 1890- . Sixtymile and Ladue Rivers area, Yukon. Ottawa, King's Printer, 1921. 3 p. l., 60 p. 6 plates, fold. col. map, tables. (Canada. Geological Survey. Memoir 123; Geol. Ser. no. 105) Published also as thesis (Ph.D.) Princeton University, 1918.

Contains chapters on topography, geology (including ore genesis) and mineral resources (gold) with notes on the vegetation (including list of plants) fauna, and climate.

Map: Geological (scale 200 mi.: 1 inch) 63°10'-64°15'N., 140°-141°W.

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3266. COCKFIELD, WILLIAM EG-BERT, 1890- . Upper Beaver River area, Mayo district, Yukon. (Canada. Geological Survey. Summary report, 1924, *pub.* 1925. Pt. A, p. 1-18, *illus.* (diagr.) plate, fold. map)

Contains a report on the general geology and descriptions of the mining properties (silver and lead), with geological map showing the claims.

Copy seen: DLC.

3267. COCKFIELD, WILLIAM EGBERT, 1890 , and **A. H. BELL**. Whitehorse district, Yukon. Ottawa, King's Printer, 1926. 2 p. l., 63 p. 8 plates, fold. map, tables. (Canada. Geological Survey. Memoir 150; Geol. ser. no. 131)

Contains chapters on topography, general, and economic geology (including ore genesis, and deposits of gold, silver, antimony and coal) with description of properties.

Map: Geological, no. 2071 (scale 1:253,440) 60°-61°N., 134°-136°W.

Copy seen: DLC.

3268. COCKFIELD, WILLIAM EGBERT, 1890- , and **A. H. BELL**. Whitehorse district, Yukon. Ottawa, 1944. [3] 21 p. fold. map. (Canada. Geological Survey. Paper 44-14)

A condensed edition (mimeographed notes with same map) of the author's paper of the same title, published as Geological Survey Memoir 150, 1926, q.v., (out of print).

Copy seen: DGS.

3269. COCKFIELD, WILLIAM EGBERT, 1890- , and **E. J. LEES**. The occurrence of marine Triassic in southern Yukon. (Royal Society of Canada. Transactions, 1931. Ser. 3, v. 25, sec. 4, p. 101-104)

Note on the distribution of the Braeburn series in the Lake Laberge and Lewes River regions, and its relations to surrounding rocks.

Copy seen: DLC.

COCKFIELD, WILLIAM EGBERT, 1890- , see also Bostock, H. S., & W. E. Cockfield. Mining industry of Yukon, 1929-40. 1930-1941.

3270. COE, DOUGLAS, pseud. Road to Alaska; the story of the Alaska Highway. [New York] J. Messner Inc. [1943] 175, [1] p. incl. front. (double map) illus. (incl. maps) Also published in French translation as *La route de l'Alaska*, Paris, LeSillage, 1946. (137 p. illus.)

Popularized account in story form, of the building of the Alaska Highway.

Copy seen: DLC.

3271. COE, WESLEY ROSWELL, 1869- . The nemerteans. Papers from the Harriman Alaska Expedition, XX. (Washington Academy of Sciences, Proceedings, 1901. v. 3, p. 1-110, 13 plates) Reprinted in 1904, as *Nemer-*

teans of the Expedition, in Harriman Alaska series. v. 11, Nemerteans, pt. 1.

List, with detailed descriptions, synonymy and localities, of thirty-one (including twenty-six new) species of worms from Dutch Harbor and the southern Alaskan coastal waters, especially from Prince William Sound, Yakutat Bay and at Sitka, with species from other areas south of Alaska.

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3272. CÖSTER, FREDRIK. Results of the Swedish expedition to Spitsbergen in 1924. 1. Quaternary geology of the region around the Kjellström Valley. (Geografiska annaler, 1925. Årg. 7, p. 104-121, illus., map)

A geological study of the Paula Glacier and other present and previous glaciers in the Kjellström Valley, West Spitsbergen; with a map (1:150,000) of the Paula Glacier.

Copy seen: DLC.

3273. COHEN, EMIL WILHELM, 1842-1905. Das labradoritführende Gestein der Küste von Labrador. (Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, 1885. Bd. 1, p. 183-85) *Title tr.*: Rock containing labradorite from the coast of Labrador.

Note on a petrographic study.

Copy seen: DGS.

3274. COHEN, EMIL WILHELM, 1842-1905. Über das Vorkommen von Eisencarbid (Cohenit) im terrestrischen Nickeleisen von Niakornak bei Jakobshavn in Nord-Grönland. (Meddelelser om Grønland, 1897, pub. 1898. 15. hefte, p. 291-304) *Title tr.*: On the occurrence of iron carbide (cohenite) in native nickel iron from Niakornak near Jakobshavn in North Greenland.

Analysis of native iron found in Niakornak in the Disko region of West Greenland and comparison of this iron with that found in Ovivak.

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3275. COHEN, L. De Noordpool veroverd. (Tijdschrift voor het Onderwijs in de aardrijkskunde, 1938. Jaarg. 16, p. 73b-87b, illus., incl. 2 sketch charts) *Title tr.*: On top of the North Pole.

Account of the Soviet Drifting Station, "North Pole", May 1937-Feb. 1938, including remarks on the flight from Rudolf Island, Franz Josef Land, to land the scientific party on a polar ice floe, and the progress of the drift

southward off the east coast of Greenland.

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3276. COINDE, J. P. Notice sur la faune ornithologique de l'île de Saint-Paul, suivie de l'énumération de quelques espèces d'insectes (Coléoptères) des Aléoutiennes et du Kamtschatka, (Revue et magasin de zoologie pure et appliquée, sept. 1860. Sér. 2, t. 12, p. 396-405) *Title tr.:* Note on the avifauna of St. Paul Island, with a list of several species of Coleoptera from the Aleutians and Kamchatka.

Contains an annotated list of nine (including with description, one new) species of birds, and a simple list of twenty-seven beetles.

Copy seen: DSI-M.

3277. COKE, C. H., and J. P. ROLLESTON. Visit of the training squadron to Spitzbergen in the summer of 1895. (Geographical journal, Dec. 1895. v. 6, p. 547-54)

Four British Navy training ships cruised from Hammerfest, Norway, to Bell Sound, West Spitsbergen, July 25-Aug. 4, 1895, observing, photographing, and surveying Recherche Bay, and examining the glaciers. This paper is a narrative of the trip. Translation in German appeared in *Annalen der Hydrographie und maritimen Meteorologie*, Jan. 1896. Jahrg. 24, p. 39-41.

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COLBERT, L. O., *see* U. S. Coast & Geodetic Survey. Hydrography; wire-drag work. 1916.

3278. COLBY, MERLE ESTES, 1902- . Alaska, a profile, with pictures. [New York], Duell, Sloane & Pearce [c1940] [58] p. incl. front., illus.

Pictures, with accompanying text, illustrating many phases of Alaskan life and scenery.

Copy seen: DLC; NNStef.

COLBY, MERLE ESTES, 1902- , *see* also Federal Writers' Project. Guide to Alaska. 1945.

3279. COLDEWEY, H. Aeronautische Instrumente bei der Erforschung polarer Gebiete mit Hilfe von Luftschiffen. (Arktis, 1931. Jahrg. 4, p. 22-25) *Title tr.:* Aeronautical instruments for polar research by means of airships.

Notes on gyroscope-, sun-, and magnetic-compasses, and geodetic instruments. *Copy seen:* DLC; NNStef.

3280. COLE, GRENVILLE A. J. Glacial features in Spitsbergen in relation to Irish geology. (Royal Irish Academy. Proceedings, July 1911. v. 29, sect. B, p. 191-208, 8 plates)

Based on observations made during the Spitsbergen excursion of the International Geological Congress, 1910, in the Ice Fiord region. Description of frost weathering, snowslide action, origin of cirques, arid type of weathering, boulder-clay, fluvio-glacial deposits, and thalus-banks.

Copy seen: DLC.

3281. COLE, LEON JACOB, 1877- . Pycnogonida. Ottawa, King's Printer, 1921. 6 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 7: Crustacea, Pt. F)

List, with locations and notes on distribution, of three species from Cockburn Pt., Dolphin and Union Strait, and of three other species from records of previous work in the Arctic, with a bibliography.

Copy seen: DSI-M.

3282. COLE, LEON JACOB, 1877- . Pycnogonids of the west coast of North America. (In: Rathbun, M. J., and others. Crustaceans. Harriman Alaska series, 1904. v. 10, p. 247-330, 16 plates)

Taxonomic study of thirteen species of sea spiders, of which four species were collected from the Pribilof, Unalaska, and Shumagin Islands, and Prince William Sound, with descriptions in full, and a discussion of distribution.

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3283. COLEMAN, ARTHUR PHILEMON, 1852-1939. The building of the Torngats. (Canadian alpine journal, 1916. v. 7, p. 67-70, plate)

Geomorphological sketch of this northern Labrador range.

Copy seen: DGS.

3284. COLEMAN, ARTHUR PHILEMON, 1852-1939. Extent and thickness of the Labrador ice-sheet. (Geological Society of America. Bulletin, 1919. v. 31, p. 319-28)

Contains a discussion of the glacial features of the Torngat Mountains, the eastern limits, the thickness of the ice-sheet, and its relation to isostasy.

Copy seen: DGS.

3285. COLEMAN, ARTHUR PHILEMON, 1852-1939. Mining possibilities in Labrador. (Canadian mining journal,

Sept. 5, 1924. v. 45, p. 868-70, illus. (incl. map))

General remarks on the possibilities in the (then) unprospected peninsula.

Copy seen: DGS.

3286. COLEMAN, ARTHUR PHILEMON, 1852-1939. Mt. Tetragona, a first ascent in Labrador. (Canadian alpine journal, 1916. v. 7, p. 5-11, plate)

A mountain in the Torngats, at about 59°30'N.

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3287. COLEMAN, ARTHUR PHILEMON, 1852-1939. Northeastern part of Labrador, and New Quebec. Ottawa, King's Printer, 1921. 2 p. l., 68 p. 10 plates (incl. front.) tables, fold., col. map. (Canada. Geological Survey. Memoir 124. Geol. ser. no. 106)

Contains sections on physiography, climate (with notes on effects of winds, sea and wave action on the coast), flora and fauna, geology (especially stratigraphy), solifluction, and minerals; also regional descriptions: Komaktorvik, Nachvak (with map and with details on coves), Saglek Bay, Hebron, Mugford, Paul Island and Hopedale.

Appendix: Plants collected in summer of 1915.

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3288. COLEMAN, ARTHUR PHILEMON, 1852-1939. The Torngats of Labrador. (Canadian geographical journal, May 1937. v. 14, p. 283-91, incl. 7 p. of illus., sketch map)

Brief account of a visit, (twenty years earlier) to the mountains around Komaktorvik Fiord (Seven Islands Bay) with description of the boat trip through the ice of Labrador Sea.

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3289. COLEMAN, ARTHUR PHILEMON, 1852-1939. Unsolved geological problems of arctic America. (*In:* American Geographical Society, N. Y. Problems of polar research, 1928. p. 63-72)

Review of the more important literature and the problems of different geologic periods, mostly in Canada.

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3290. COLEMAN, W. W. Whale meat for huskies. (Beaver, Mar. 1939. Outfit 269, no. 4, p. 42-44, illus.)

Popular article on Hudson Bay dog food.

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3291. COLLETT, ROBERT, 1842-1913. Bemaerkninger til Norges pattedyr-

fauna. (Nytt magasin for naturvidenskapene, 1877. Bd. 22, p. 54-168) *Title tr.:* Observations on Norwegian mammal fauna.

Contains a systematic list of sixty-six mammals of Norway, with synonymy, critical notes, data on biology and geographic distribution (northern limits); two supplementary papers were published as the author's *Meddelelser om Norges pattedyr (1876-1881)*, 1882, q.v. and *Bemaerkninger vedrørende Norges pattedyrfauna, 3 die raecke (1882-1897)*, 1898, q.v.

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3292. COLLETT, ROBERT, 1842-1913. Bemaerkninger vedrørende Norges pattedyrfauna, 3 die raecke (1882-1897). (Nytt magasin for naturvidenskapene, 1898. Bd. 36, hefte 3-4, p. 264-374) *Title tr.:* Comments on mammal fauna of Norway, 3d. series (1882-1897).

Contains the author's observations on fifty Norwegian mammals for fifteen years (1882-1897), with data on their biology, ecology and distribution in Norway, arranged either by regions, including Nordland, Tromsø and Finnmark, or by the years. This is a continuation of the author's *Bemaerkninger till Norges pattedyrfauna*, 1877, q.v. and *Meddelelser om Norges pattedyr i aarne 1876-1881*, 1882, q.v.

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3293. COLLETT, ROBERT, 1842-1913. De i Norge hidtil fundne fossile fiske frå de glaciale og postglaciale afleiringer. (Nytt magasin for naturvidenskapene, 1877. Bd. 23, p. 11-44) *Title tr.:* On fossil fishes hitherto found in glacial and post-glacial deposits.

Contains descriptions of fossil remains and impressions of thirty-seven fishes from various coastal regions of Norway, arranged by provinces, with data on former distribution; includes a few species from Nordland (65°10'-67°20'N.).

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3294. COLLETT, ROBERT, 1842-1913. Fishes. Christiania, Grøndahl & Søn, 1880. 2 p. l., 164 [2] p., 1 l. illus., 5 double plates, col. map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 3, Zoology, hefte 1)

List, with full descriptions, locations, and notes on food and distribution, of forty-four (including seven new) species of deep-sea fishes, accom-

panied by map showing the expeditions and stations in Greenland Sea, and by extensive bibliographical footnotes.

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3295. COLLETT, ROBERT, 1842-1913. Fiske fra Nordhavs-expeditionens sidste togt, sommeren 1878. [Christiania, J. Dybwad, 1879] 106 p. (Norske videnskaps-akademi, Oslo. Forhandlinger, 1878. No. 14)

Preliminary report on the fishes collected by the Norwegian North Atlantic expedition during 1878, containing a list, with descriptions and locations, of thirty-three species, collected in the Norwegian and Greenland Seas.

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3296. COLLETT, ROBERT, 1842-1913. Fiske, indsamlede under den Norske Nordhavs-expeditionen 2 første togt, 1876 og 1877. [Christiania, J. Dybwad, 1879]. 24 p. (Norske videnskaps-akademi, Oslo. Forhandlinger, 1878. No. 4)

Preliminary report on the fishes collected by the Norwegian North Atlantic expedition during 1876-77, containing a list, with descriptions and locations, of ten species collected in the Norwegian and Greenland Seas.

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3297. COLLETT, ROBERT, 1842-1913. Fiske indsamlede under "Michael Sars's" togt i Nordhavet 1900-1902. Bergen, J. Grieg, 1905. 147 [4] p. 2 double-face plates. (Norway, Fiskeridirektoratet. Skrifter, ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 2, no. 3) *Title tr.:* Fishes collected by the Michael Sars in the northern ocean, 1900-1902.

Report on specimens collected from Jan Mayen, Bear Island, or Spitsbergen waters, and (1902) from The Faeroes-Shetland Islands region. A list, with locations, depths, sizes, distribution, and descriptive notes, of seventy-two species, of which twenty-two were taken in Greenland Sea and two from Denmark Strait.

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3298. COLLETT, ROBERT, 1842-1913. Meddelelser om Norges pattedyr i aarene 1876-1881. (Nytt magasin for naturvidenskapene, 1882. Bd. 27, hefte 2-3, p. 217-60) *Title tr.:* Communications on Norwegian mammals in the years 1876-1881.

Contains a list of sixty-six mammals described by the author in his earlier work, *Bemaerkninger til Norges pattedyrfauna*, 1877, q.v., and additional data on thirty-nine of them, including (mostly) new localities, critical notes and new observations accumulated during the years 1876-81.

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3299. COLLETT, ROBERT, 1842-1913. Mindre meddelelser vedrørende Norges fuglefauna i aarene 1873-76. (Nytt magasin for naturvidenskapene, 1877. Bd. 23, hefte 4, p. 85-225) *Title tr.:* Brief contributions to Norwegian bird fauna in the years 1873-76.

Contains the results of the author's ornithological observations in various regions of Norway, including those made during a trip to Finnmark, Tromsø and Varanger in 1874 and one to Finnmark in 1876: an enumeration of two hundred fifty-one birds observed, with dimensions and notes on biology, ecology and geographic distribution. A supplementary paper was published as the author's *Mindre meddelelser . . . i aarne 1877-1880*, q.v.

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3300. COLLETT, ROBERT, 1842-1913. Mindre meddelelser, vedrørende Norges fuglefauna i aarene 1877-1880. (Nytt magasin for naturvidenskapene, 1881. Bd. 26, hefte 3-4, p. 254-394) *Title tr.:* Brief contributions to Norwegian bird fauna in the years 1877-1880.

Contains the results of the author's ornithological investigations in various parts of Norway, including those made on two trips to Finnmark in 1877 and 1880, with an enumeration of about two hundred birds observed and data on their dimensions, biology, ecology, and geographic distribution; published as a supplement to the author's *Mindre meddelelser . . . 1873-76*, q.v.

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3301. COLLETT, ROBERT, 1842-1913. Om bæveren (*Castor fiber*), og dens udbredelse i Norge fordum og nu. (Nytt magasin for naturvidenskapene, 1884, pub. 1883. Bd. 28, hefte 1, p. 11-45, plate) *Title tr.:* Beaver (*Castor fiber*) and its distribution in Norway in the past and at the present time.

Contains a study of the past and present geographic distribution of beavers (*Castor fiber*) in Norway, ar-

ranged by the regions (including Nordland, Tromsø and Finnmark) and based on literature sources; data on their biology, ecology, construction activity (lodges and dams), summer roving, etc.

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3302. COLLETT, ROBERT, 1842-1913. Zur Ornithologie von Spitzbergen. (Ornithologisches Jahrbuch, Juni 1892. Jahrg. 3, p. 174) *Title tr.:* Birds from Spitzbergen.

Record of three species sent to the Tromsø Museum, summer 1891.

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3303. COLLETT, ROBERT, 1842-1913, and FRIDTJOF NANSEN. An account of the birds. [Christiania, etc., J. Dybwad, 1900] 53, [1] p. illus., 1 col. plate. (Nansen, Fridtjof, *ed.* Norwegian North Polar expedition 1893-96. Scientific results, v. 1, no. 4)

List, with notes on habits and on date and place of observation, of thirty-three species collected (1) from the Siberian coast (autumn 1893), (2) during the first summer (1894) in the ice, (3) during the sledge journey over the ice of the Arctic Basin and Franz Josef Land (1895-96), and (4) during the last two summers on the ice, northeast of Franz Josef Land (1895) and north of Spitzbergen (1896).

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COLLETT, ROBERT, 1842-1913, see also Strand, E. Theridiidae, Argiopidae u. Mimetidae. 1904.

COLLIE, ALEXANDER, d. 1835, see Buckland, W., *ed.* Geology (Beechey's voyage, 1825-28) 1839.

COLLIE, ALEXANDER, d. 1835, see Hooker, Sir W. J., & G. A. W. Arnott. Botany of Capt. Beechey's voyage to Pacific. 1841.

COLLIE, ALEXANDER, d. 1835, see Lay, G. T., & E. T. Bennett. Fishes. (Beechey's voyage 1825-28) 1839.

COLLIE, ALEXANDER, d. 1835, see Vigors, N. A. Ornithology. (Beechey's voyage, 1825-28) 1839.

3304. COLLIER, ARTHUR JAMES, 1866-1939. The coal resources of the Yukon, Alaska. Washington, U. S. Govt. Print. Off., 1903. 71 p. illus., 6 plates (incl. 2 fold. maps) (U. S. Geological Survey. Bulletin no. 218, ser. A, Economic geology, 26)

A report on investigations made in 1902, summarizing economic results and commercial possibilities, with descriptions of the character, value, and distribution of Yukon coals, notes on mines and mining, and a sketch of the geology.

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3305. COLLIER, ARTHUR JAMES, 1866-1939. Geology and coal resources of the Cape Lisburne region, Alaska. Washington, U. S. Govt. Print. Off., 1906. 54 p. illus., 9 plates (incl. double map) (U. S. Geological Survey. Bulletin no. 278, ser. A, Economic geology, 66; B, Descriptive geology, 82) Issued also as House doc. no. 826, 59th Cong., 1st sess. An abstract of this report appeared in the Report on progress of investigations of mineral resources of Alaska in 1904, U. S. Geol. Survey, 1905.

Contains notes on history of exploration, descriptions of geography, and (in detail) of the stratigraphy, including Report on fossil plants (Carboniferous) by David White; Report on fossil invertebrates (Carboniferous) by G. H. Girty; and Report on Mesozoic fossil plants, by F. H. Knowlton; description of the extent, character and analyses of the coal, and of conditions of mining.

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3306. COLLIER, ARTHUR JAMES, 1866-1939. The Glenn Creek gold mining district, Alaska. (*In:* U. S. Geological Survey. Contributions to economic geology, 1902. Bulletin, 1903. No. 213, p. 49-56)

Description of location, trails, geology, and placers of a district (around Glenn) along a tributary of Baker Creek (Tanana tributary) twenty-eight miles south of Rampart.

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3307. COLLIER, ARTHUR JAMES, 1866-1939, and others. The gold placers of parts of Seward Peninsula, Alaska, including the Nome, Council, Kougarok, Port Clarence, and Goodhope precincts. Washington, U. S. Govt. Print. Off., 1908. 343 p. illus., 11 plates (incl. 4 fold. maps) diags. (U. S. Geological Survey. Bulletin no. 328) Issued also as House doc. no. 723, 60th Cong., 1st sess. Results of reconnaissance surveys, 1899-1903, with discussion of the auriferous gravels of the southern and northwestern parts of the peninsula, for miner and prospector.

Contents: Brooks, A. H. Preface, and Development of the mining industry, p. 7-39. Collier, A. J. Geography and geology, p. 40-110. Brooks, A. H. Outline of economic geology (gold) p. 111-39. Collier, A. J., and F. L. Hess. Description of placers (including Kruzgamepa River) p. 140-282. BROOKS, A. H. The Bluff region, and the Kougarok region, p. 283-328. SMITH, P. S. Geology and mineral resources of Iron Creek, p. 329-36. Index p. 337-43.

The papers on the Bluff and Kougarok regions appear in this Bibliography under the author's name. The paper by P. S. Smith was originally published in 1907, and appears under his name.

Maps: Topographic and geologic reconnaissance maps of (1) northwestern Seward Peninsula (north of 65°N. 163°W. to Bering Sea; and (2) southern part of Seward Peninsula (Norton Sound to 65°25'N. 162°40'W. to Bering Sea), contour interval 200 ft., scale 1:250,000. *Copy seen:* DGS.

3308. COLLIER, ARTHUR JAMES, 1866-1939. A reconnaissance of the northwestern portion of Seward Peninsula, Alaska. Washington, U. S. Govt. Print. Off., 1902. 70 p. 12 plates (incl. 4 maps) (U. S. Geological Survey. Professional paper no. 2. ser. A, Economic geology, 19; ser. B, Descriptive geology, 21)

Contains a report of the geologist of a U. S. Geological Survey party, 1901. Descriptions of stratigraphic succession, Pleistocene deposits (including mammoth remains and glaciation) the igneous rocks, dynamic history and physiography. Economic geology (gold and tin, and descriptions of seven regions, with mention of mining).

Maps: Topographic (scale 1:250,000) with detailed contours for area 65°-66°20'N. 163°30'-168°W. Geologic reconnaissance map (small scale) for whole area. Economic (small scale) showing gold for whole area.

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3309. COLLIER, ARTHUR JAMES 1866-1939. The tin deposits of the York region, Alaska. Washington, U. S. Govt. Print. Off., 1904. 61 p. illus., 7 plates (incl. 2 maps) (U. S. Geological Survey. Bulletin no. 229; ser. A, Economic geology, 36)

Contains a history of exploration, and development; description of the stratigraphy, the localities where lode and stream tin have been found, the transportation and fuel supply; with a topographic map.

Copy seen: DGS.

COLLIER, ARTHUR JAMES, 1866-1939, see also Brooks, A. H., & others. Reconnaissance Cape Nome & Seward Peninsula 1900. 1901.

3310. COLLIN, JAMES E. Diptera (Cyclorrhapha) from Akpatok Island, Ungava Bay, Canada. Results of the Oxford University, Hudson Strait Expedition, 1931. (Annals and magazine of natural history, Mar. 1935. Ser. 10, v. 15, p. 369-81)

List, with descriptions, of twenty-one (including two new) species, of which three were collected at Port Burwell.

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3311. COLLIN, JAMES E. Diptera (Cyclorrhapha) from Spitsbergen. Results of the Merton College Expedition to Spitsbergen, 1923. No. 5. (Annals and magazine of natural history, Aug. 1924. Ser. 9, v. 14, p. 201-03) Issued also as Oxford University, *Spitsbergen papers*, 1929, v. 2, no. 12.

List of nine species, with localities and descriptive notes.

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3312. COLLIN, JAMES E. Diptera (Cyclorrhapha) from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. (Annals and magazine of natural history, Sept. 1925. Ser. 9, v. 16, p. 332-37) Issued also as Oxford University, *Spitsbergen papers*, 1929, v. 2, no. 13.

Lists of seven (including one new) species found on board ship, and of eleven species found in various localities on West Spitsbergen.

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3313. COLLIN, JAMES E. Diptera (Orthorrhapha Brachycera and Cyclorrhapha) from Spitsbergen and Bear Island. Results of the Oxford University Expedition to Spitsbergen, 1921. No. 22. (Annals and magazine of natural history, Jan. 1923. Ser. 9, v. 11, p. 116-23) Issued also as Oxford University, *Spitsbergen papers*, 1925, v. 1, no. 16.

List, with synonymy, localities and notes, of eight (including, with description, one new) species.

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3314. COLLIN, JAMES E. On a collection of Diptera from East Greenland. (Annals and magazine of natural history, June 1937. Ser. 10, v. 19, p. 594-95)

Tabular list, with localities, of thirty-eight species from Lake Fiord (66°17' N.) and Hurry Inlet region (Jameson Land and Liverpool Land) of Scoresby Sound, collected by the Cambridge University Expedition to Scoresby Sound, 1933, and Watkins East Greenland Expedition, 1932-33. *Copy seen:* DSI-M.

3315. COLLIN, JAMES E. On the Diptera (other than Nematocera) of Jan Mayen Island. (Annals and magazine of natural history, Aug. 1924. ser. 9, v. 14, p. 204-206)

List of seven species, with notes on habitat and other arctic occurrences.

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3316. COLLIN, JAMES E. The Oxford University Expedition to Greenland, 1928. Diptera (Orthorrhapha, Brachycera and Cyclorrhapha) from Greenland. (Annals and magazine of natural history, Jan. 1931. Ser. 10, v. 7, p. 67-91) Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934, no. 17.

List, with notes on habitat, synonymy, and taxonomic relationships, of forty-four (including, with descriptions, two new) species from the Godthaab Fiord region of West Greenland.

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3317. COLLIN, JAMES E. A revision of the Greenland species of the anthomyid species *Limnophora* sens. lat. (Diptera), with figures of the male genitalia of these and many other palaearctic species. (Entomological Society of London. Transactions, Dec. 1930. v. 78, p. 255-81, 13 plates)

Results of the Oxford University Expedition to Greenland, 1928. Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934, no. 18.

Contains list of forty-seven (including with descriptions, five new) species, with extensive discussion and Greenland distribution.

Copy seen: DLC.

COLLIN, JAMES E., see also Carpenter, G. D. H., & others. Notes on insects W. Greenland 1936. 1938.

COLLIN, JAMES E., see also Carpenter G. D. H., & J. E. Collin. Notes on insects NW. Greenland 1934-35. 1937.

3318. COLLIN, JONAS SIGISMUND, 1840-. Brachionopoder, muslinger og snegle fra Kara-havet. (In: Lütken, C. F. *Dijmphna-togtets zoologisk-botaniske udbylte*, 1887, p. 439-72, plates 40-41) *Title tr.*: Brachiopods, mussels and snails from the Kara Sea.

List, with references to literature, localities and remarks, of sixty-five (including two new) species of brachiopods and molluscs. Summary in French, p. 515.

Copy seen: DLC.

COLLIN, JONAS SIGISMUND, 1840-, see also Kjaerboelling, N. Skandinaviens fugle. 1875-79.

3319. COLLINDER, BJÖRN. Lautlehre des waldlappischen Dialektes von Gällivare. Helsinki, Suomalais-ugrilainen seura, 1938. 181 p. map. (Suomalais-ugrilaisen seuran. Toimituksia, 74) *Title tr.*: The phonetics of the dialect of the Forest Lapps of Gällivare.

Includes remarks on distribution of the Lappish Gällivare dialect in northernmost Sweden, also bibliography.

Copy seen: NN.

3320. COLLINDER, PER ARNE, 1890-. Echo-soundings and other hydrographical observations during an expedition in the Greenland and Barents Seas. (Geografiska annaler, 1930. Årg. 12, häft. 2, p. 193-214, illus.)

Discussion of methods used by the Swedish Gulf Stream Expedition for depth sounding, charting of the ice limit and astronomical observations; with tables of soundings in Barents and Greenland Seas.

Copy seen: DLC.

3321. COLLINDER, PER ARNE, 1890-. A summary of hydrographical results obtained during an arctic cruise in 1929. (Hydrographic review, 1930. v. 7, no. 2, p. 37-43, sketch chart)

Brief account, by the astronomer and hydrographic surveyor, of the Swedish Hydrographic Service Expedition in Greenland and Barents Seas in 1929, on the Norwegian sealing-cutter *Bjørnøy*.

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3322. COLLINS, FRANK SHIPLEY, 1848-1920. Marine algae from Bering Strait and Arctic Ocean. [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1927. v. 4: Botany, Pt. B, p. 3-16, plate)

List, with some descriptions and notes on habitats, of fifty-seven species and varieties, from the arctic coastal waters of Alaska and Northwest Territories.

Copy seen: DSI-M.

COLLINS, FRANK SHIPLEY, 1848-1920, *see also* Setchell, W. A., & F. S. Collins. Some algae from Hudson B. 1908.

3323. COLLINS, GRENOLD, 1907-. Habits of the Pacific walrus (*Odobenus divergens*). Journal of mammalogy, May 1940. v. 21, p. 138-44.

The Pacific walrus' present range extends eastward from St. Matthew Island to the Siberian coast at about 62°N. and to a lesser extent eastward between St. Lawrence and Nunivak Islands. The author gives notes on its migratory movements, breeding, habits, enemies, and utility, also Eskimo hunting methods, and annual kill.

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3324. COLLINS, GRENOLD, 1907-. Whale horses are tough hombres. (Alaska sportsman, Aug. 1940. v. 6, no. 8, p. 22-23, 34-35, illus.)

Account of walrus hunting with North Alaska Eskimos of Point Lay, and notes on walrus.

Copy seen: DLC.

3325. COLLINS, HENRY BASCOM, 1899-. , and others. The Aleutian Islands: their people and natural history (with keys for the identification of the birds and plants). Washington, 1945. iv, 131 p. illus., 2 plates, fold. map. (U. S. Smithsonian Institution. War background studies, no. 21) Publication 3775.

Contents: COLLINS, H. B., Jr. The Islands and their people.

CLARK, A. H. Animal life of the Aleutian Islands.

WALKER, E. H. Plants of the Aleutian Islands.

Appendices: A. List of mammals. B. List of birds. C. Keys to the birds. D. Systematic list of plants. E. Keys to the more common plants.

Each of these three papers appears in this Bibliography under its author's name.

Copy seen: DSI-M.

3326. COLLINS, HENRY BASCOM, 1899-. Ancient culture of St. Lawrence Island, Alaska. (Smithsonian Institution. Exploration and fieldwork of the Smithsonian Institution in 1930, pub. 1931. Publication 3111, p. 135-44, illus.)

Preliminary description of excavations at five old sites near Gambell, St. Lawrence Island, which revealed an unbroken sequence of Eskimo culture from an early stage of Old Bering Sea to the present. It is described in full in the author's *Archeology of St. Lawrence Island, Alaska*, q.v. Skeletal material was collected in Norton Sound and living Eskimos were measured. Fossils of sequoias were also collected in a Tertiary deposit on St. Lawrence Island (*see* Chaney, R. W. *A sequoia forest of Tertiary age on St. Lawrence Island*).

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3327. COLLINS, HENRY BASCOM, 1899-. The ancient Eskimo culture of northwestern Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1928, pub. 1929. Publication 3011. p. 141-56)

Preliminary report on excavations on Punuk Island and at Cape Kialegak on the southeast end of St. Lawrence Island, which resulted in discovery of the Punuk culture. Described more fully in the author's *Prehistoric art of the Alaskan Eskimo*, q.v.

Copy seen: DLC.

3328. COLLINS, HENRY BASCOM, 1899-. Anthropology. (In: A program of desirable scientific investigations in arctic North America. Pub. as: Arctic Institute of North America. Bulletin, March, 1946. No. 1, p. 48-57.)

Brief summary of present status of knowledge of archeology, ethnology, physical anthropology, and linguistics in different parts of the Arctic, with suggestion of problems and areas that should be investigated; with a bibliography (44 items).

Copy seen: CaMAI; DLC; DSI-M.

3329. COLLINS, HENRY BASCOM, 1899-. Archeological excavations at Bering Strait. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1936, pub. 1937. Publication 3407, p. 63-68, illus.)

Preliminary description of excavations at Kurigitavik, a Thule-Punuk site at Cape Prince of Wales, on an expedition sponsored by the National Geographic Society and Smithsonian Institution. See also the author's *Exploring frozen fragments of American history*, 1939. *Copy seen: DLC.*

3330. COLLINS, HENRY BASCOM, 1899- . Archeological investigations at Point Barrow. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1932, *pub.* 1933. Publication 3213, p. 45-48, *illus.*)

Brief account of J. A. Ford's excavations for the Smithsonian Institution at sites of Birnirk age around Port Barrow. *Copy seen: DLC.*

3331. COLLINS, HENRY BASCOM, 1899- . Archeological investigations in northern Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1931, *pub.* 1932. Publication 3134, p. 103-112, *illus.*)

Preliminary account of excavations for Smithsonian Institution by Moreau B. Chambers at Gambell, St. Lawrence Island, and James A. Ford at Point Barrow. Results of the Gambell excavations are given in H. B. Collins' *Archeology of St. Lawrence Island, Alaska*, *q.v.* *Copy seen: DLC.*

3332. COLLINS, HENRY BASCOM, 1899- . Archeology of St. Lawrence Island, Alaska. Washington, Smithsonian Institution, 1937. xi, 431 p. front. (fold. map) *illus.* (incl. plans) 84 plates (1 fold.) fold. tables. (Smithsonian miscellaneous collections. v. 96, no. 1) Publication 3411.

"This paper, in essentially its present form, was completed in the fall of 1935, and . . . was submitted to the Royal Academy of Sciences and Letters of Denmark in response to a prize competition . . . In February 1936 it was awarded the gold medal of the Academy."—Pref.

Contains discussion of previous theories of origin of Eskimos culture; introductory notes on the geography and history of St. Lawrence Island and on previous excavations in the region. Description (in detail) of excavations made under auspices of the Smithsonian Institution 1930 and 1931: the sites, houses, decorated objects, im-

plement types; mention of skeletal and animal remains, and discussion of chronological relationships of the five sites, covering period from Old Bering Sea to modern. Comparative analysis of elements characteristic of Old Bering Sea and Punuk cultures and their distribution in America and Eurasia. Discussion of relationship of Old Bering Sea culture to Punuk, Birnirk, Thule, Dorset, Kachemak Bay and modern Eskimo cultures. The immediate origin of the Old Bering Sea culture is to be sought in northeastern Siberia, between the Anadyr and Kolyma Rivers, but its ultimate roots extend deeper into northern Eurasia. Bibliography p. 383-94. *Copy seen: DLC.*

3333. COLLINS, HENRY BASCOM, 1899- . Archaeology of the Bering Sea region. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, *pub.* Toronto, 1934. v. 4, p. 2825-39, 11 *illus.*)

Summary of the results of recent archeological investigations in the Bering Sea and northern Alaska region. Contains description of chronologies, especially that at St. Lawrence Island; suggests possible relationships between North Alaskan and other chronologies; and discusses the bearing of these facts upon questions of antiquity and Asiatic relationships of Eskimo culture. Harpoon heads and house types are emphasized. Includes pictures of 119 artifacts of Old Bering Sea and Punuk periods. *Copy seen: DLC.*

3334. COLLINS, HENRY BASCOM, 1899- . Archeology of the Bering Sea region. (Smithsonian Institution. Annual report, 1933, *pub.* 1935. p. 453-68, 11 plates.)

"Paper presented before Fifth Pacific Science Congress, Vancouver, B. C., June 1933, revised."

A review of the results of excavations at St. Lawrence Island (in detail), the arctic coast, south Alaska, and northeastern Siberia; their evidence on migration of man from Asia to America, and on Eskimo culture sequences in the region. Bibliographical footnotes. *Copy seen: DLC.*

3335. COLLINS, HENRY BASCOM, 1899- . Caries and crowding in the teeth of the living Alaskan Eskimo. (American journal of physical anthropology, 1932. v. 16, p. 451-62)

Results of examination of the teeth of 296 living Eskimos of West Alaska from Bristol Bay to Point Hope, and of observations on crania in the U. S. National Museum, with discussion of change in Eskimo food habits and its effect upon their teeth.

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3336. COLLINS, HENRY BASCOM, 1899- . Check-stamped pottery from Alaska. (Washington Academy of Sciences. Journal, May 4, 1928. v. 18, no. 9, p. 254-56, illus.)

Describes potsherds with check-stamp decoration found on Nunivak Island by the author, and on Norton Sound, by Dr. Aleš Hrdlička. These are the first examples of such ware to be reported from Alaska.

Copy seen: DSI-M.

3337. COLLINS, HENRY BASCOM, 1899- . Culture migrations and contacts in the Bering Sea region. (American anthropologist, 1937. v. 39, p. 375-84)

Discussion of evidence pointing to the origin of the Thule culture in Alaska and to a late return migration of Thule Eskimos to northern Alaska and the cultural influences it exerted there. Presents theory of cultural diffusion from America to northeastern Asia via the Aleutian Islands, and its effects.

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3338. COLLINS, HENRY BASCOM, 1899- . Eskimo archaeology and its bearing on the problem of man's antiquity in America. (American Philosophical Society. Proceedings, 1943. v. 86, p. 220-35, illus.)

A review of prehistoric Eskimo cultures as revealed in recent archeological investigations in the Bering Sea region, comparisons with mesolithic-neolithic cultures of Eurasia and upper Paleolithic cultures of Europe, and statement of the evidence that Eskimos entered America relatively recently probably from an ancestral home north or east of Lake Baykal. Bibliography, p. 233-35.

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3339. COLLINS, HENRY BASCOM, 1899- . Eskimo archaeology and somatology. (American anthropologist, 1934. New ser. v. 36, p. 309-13)

Discussion of Seltzer, C. C. *The anthropometry of the Western and Copper Eskimos*, 1933, q.v., with references to further skeletal data and to cultural evidence. *Copy seen:* DLC.

3340. COLLINS, HENRY BASCOM, 1899- . The Eskimo of western Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1927, pub. 1928. Publication 2957. p. 149-56, illus.)

Brief description of Eskimo villages between Bristol Bay and Hooper Bay, including Nunivak Island, visited by the writer and T. D. Stewart, June-Aug. 1927, "for the purpose of observing these people, their manner of life and their physical type, as well as to collect skeletal and cultural material from inhabited and abandoned villages." The measurements on 180 living Eskimos and on 178 skulls are published in Hrdlička's *Anthropological survey in Alaska*, q.v. and *Catalog of human crania: Eskimo in general*, q.v., respectively.

Copy seen: DLC.

3341. COLLINS, HENRY BASCOM, 1899- . Exploring frozen fragments of American history; on the trail of early Eskimo colonists who made a 55-mile crossing from the Old World to the New. (National geographic magazine, May, 1939. v. 75, p. 633-56, 24 illus., map.)

Account for general readers of the work of an expedition led by the author and sponsored by the Smithsonian Institution and National Geographic Society, 1936. Brief outline of Eskimo prehistory, and present-day Eskimo life and customs in Cape Prince of Wales region; excavations of the author's party there; a trip to Little and Big Diomed Islands and comment on prehistoric migration of man by Bering Strait to America. *Copy seen:* DLC.

3342. COLLINS, HENRY BASCOM, 1899- . The Islands and their people. (U. S. Smithsonian Institution. War background studies, 1945. No. 21, p. 1-30, 5 illus. incl. fold. map, 13 plates)

General description of the physical geography and geology of the Aleutian Islands; account of the discovery and exploration; discussion of the physical characteristics and origin of the Aleuts, including notes on the probability of a land bridge from Alaska to Asia; and detailed description of the pre-Russian material culture of the Aleuts.

Copy seen: DLC.

3343. COLLINS, HENRY BASCOM, 1899- . Outline of Eskimo prehistory. (Smithsonian Institution. Smithsonian

miscellaneous collections, 1941. No. 100, p. 533-92)

A survey (in brief) of modern Eskimo culture, its relation to environment and to cultures of other boreal peoples; and review (in some detail) of archeological investigations of prehistoric Eskimo (Old Bering Sea, Punuk, Birnirk, Thule, Dorset) and Aleut cultures; with comparative discussion of relationships of the various prehistoric Eskimo cultures and of the origin of Eskimo culture. Bibliography, p. 587-92.

Copy seen: DLC.

3344. COLLINS, HENRY BASCOM, 1899-. Prehistoric art of the Alaskan Eskimo. Smithsonian Institution, 1929. 1 p. l., 52 p. illus., 24 plates. (Smithsonian miscellaneous collections. v. 81, no. 14) Publication 3023.

Description of carved ivory objects mainly excavated by the author on St. Lawrence and Punuk Islands 1928; comparative discussion of the prehistoric cultures represented there, of ancient and modern designs, and remarks on the relationship of ancient Eskimo cultures in Alaska, Canada and Greenland.

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3345. COLLINS, HENRY BASCOM, 1899-. Prehistoric Eskimo culture in Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1929, *pub.* 1930. Publication 3060. p. 147-56, illus.)

Brief account of archeological excavations at Cape Kialegak, St. Lawrence Island and of a trip to the upper Kougaruk River in the interior of Seward Peninsula. Skeletal material was collected at Kialegak, Norton Bay, Imaruk Basin, and Point Hope, and measurements made of Eskimos living at King Island, Shishmareff, Kotzebue, and Point Hope. The skeletal material collected on this trip is described in Dr. Hrdlička's *Catalog of human crania: Eskimo in general*, q.v.

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3346. COLLINS, HENRY BASCOM, 1899-. Prehistoric Eskimo culture on St. Lawrence Island. (Geographical review, 1932. v. 22, p. 107-119, illus.)

Investigations for the Smithsonian Institution, 1930, at five old villages, with discussion of the cultural sequence they reveal (Old Bering Sea to mod-

ern); descriptions of the artifacts, house-types and skeletal remains, and statement of inadequacy of geographical distribution and simplicity of form as an index of age.

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3347. COLLINS, HENRY BASCOM, 1899-. Prehistoric Eskimo harpoon heads from Bering Strait. (Washington Academy of Sciences. Journal, July 15, 1941. v. 31, no. 7, p. 318-24, plate)

Describes four harpoon heads of unusual type collected on Little Diomed Island by Dr. Diamond Jenness in 1926. The same type has been found (but only one example described) at the two oldest sites on St. Lawrence and Punuk Islands and at Ipiutak, Point Hope, indicating that it is one of the oldest forms of the Eskimo harpoon head.

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3348. COLLINS, HENRY BASCOM, 1899-. Wilderness exploration and Alaska's purchase. (Living wilderness, 1946. v. 11, no. 19, p. 17-18)

Brief account of the early explorations in Alaska by Robert Kennicott and H. M. Bannister for the Smithsonian Institution, the results of which, (communicated to Prof. S. F. Baird, Assistant Secretary of the Smithsonian, and by him submitted to Secretary of State Seward and to Congress) had an important part in the decision to purchase Alaska. For a full discussion of this subject, *see* James, J. A. *The first scientific exploration of Russian America and the purchase of Alaska*, 1942.

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COLLINS, HENRY BASCOM, 1899-, *see also* Chaney, R. W. Sequoia forest of Tertiary, St. Lawrence. I. 1930.

COLLINS, HENRY BASCOM, 1899-, *see also* Hrdlička, A. Aleutian & Commander Islands & inhabitants. 1945.

COLLINS, HENRY BASCOM, 1899-, *see also* Midlo, C., & H. Cummins, Dermatoglyphics in Eskimo. 1931.

COLLINS, HENRY BASCOM, 1899-, *see also* Stewart, T. D. Vertebral column of Eskimo. 1932.

3349. COLLINS, S. C. Low temperature and some of its effects upon the behavior of matter. (Science, Apr. 2, 1948. New ser., v. 107, p. 327-33)

Review of research since 1946 on properties of matter at very low temperature, with notes on means of production and maintenance of low temperatures, and on strange phenomena at the temperature of liquid helium; with a bibliography (35 items).

Copy seen: DLC; NNSStef.

3350. COLLINSON, Sir RICHARD, 1811-1883. Account of the proceedings of H.M.S. *Enterprise* from Behring Strait to Cambridge Bay. (Royal Geographical Society. Journal, 1855. v. 25, p. 194-206, fold. map)

A brief narrative of the activities of the *Enterprise*, 1850-53, on the expedition described under the author's, *Journal of H.M.S. Enterprise* [etc.], 1889. Includes note of ice conditions throughout the voyage across Beaufort Sea to Cape Bathurst, thence north to Prince of Wales Strait and the west coast of Banks Island; the wintering in the strait and the subsequent voyage through Dolphin and Union and Dease Straits to Cambridge Bay on Victoria Island, where the second wintering took place; the sledge journeys from the ship; with remarks on the Eskimos.

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3351. COLLINSON, Sir RICHARD, 1811-1883. Journal of H.M.S. *Enterprise*, on the expedition in search of Sir John Franklin's ships by Behring Strait. 1850-55. By Captain Richard Collinson, commander of the expedition. With a memoir of his other services. Ed. by his brother, Major-General T. B. Collinson, London, S. Low, Marston, Searle, & Rivington, Ltd., 1889. xi, [1] 531, [1] p. col. front., ports., 6 fold. maps.

The *Enterprise* and *Investigator*, under command of Collinson, sailed Jan. 1850, via Magellan Strait, to pursue the Franklin search from Bering Strait eastward through the Canadian arctic waters. The *Enterprise*, delayed, finally reached and explored the waters around Banks Island, and wintered in Prince of Wales Strait, 1851-52; sailed through Dolphin and Union and Dease Straits to winter in Cambridge Bay and explore by sledge around the east of Victoria Island, 1852-53; returned westward to winter in Camden Bay, Alaska, 1853-54, and thence home by the same route.

In a prologue Collinson gives an ab-

stract of the Franklin search to 1850, the state of arctic knowledge in the region of search, the books consulted, Admiralty orders, and list of officers and crew; a chapter on the visit to Port Clarence including the death of Lt. J. J. Bernard, killed by Indians during a visit to Nulato, on the Yukon River.

Journal entries throughout record the course of the expedition, give information on currents, ice, dust and stone on ice, coasts, equipment for sledge parties, distances traversed, meteorology, animals encountered, and appearance and customs of the Eskimos; include descriptions of Walker Bay in Prince of Wales Strait, and Cambridge Bay, Victoria Island; a brief list of Eskimo names for places from Pt. Barrow to the Mackenzie River; and notes on signal balloons, carrier pigeons, and effects of cold on sound, light, scent, and freezing of liquids; and summaries of the Franklin search as a whole.

Appendix consists of notes to the journal, drawn from many sources, including effect of Mackenzie River on Beaufort Sea, and its driftwood; auroras; details of sledges and sledge traveling; arctic winter aboard ship; health (scurvy); polar ice, breaking up and resetting; Eskimos; and use of gunpowder for blasting ice.

Concludes with a biographical memoir of Sir R. Collinson.

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3352. COLLINSON, Sir RICHARD, 1811-1883. Notes on the state of the ice and on the indications of open water, &c, from Behring to Bellot Straits, along the coasts of arctic America and Siberia, including the accounts of Anjou and Wrangell. (In: Royal Geographical Society. Arctic geography and ethnology, 1875. p. 105-62)

Account, with emphasis throughout on ice conditions and open water, of various expeditions from the 17th century to about 1854 (*Investigator* and *Enterprise*). Includes voyages to Bering Strait, thence westward to the Kolyma River, and eastward to Bellot Strait; land expeditions in northern Canada, descent of the Mackenzie, Coppermine and Back Rivers; coastal trips by boat or canoe along Canadian arctic shores. Includes (p. 129-30) a list of

Eskimo names for places between the Mackenzie River and Point Hope, Alaska. *Copy seen:* DLC; NNS Stef.

COLLINSON, THOMAS BERNARD, d. 1901, *see* Collinson, Sir R. Journal of H.M.S. *Enterprise*. 1889.

3353. COLLIS, Mrs. SEPTIMA MARIA (LEVY) 1842-1917. A woman's trip to Alaska; being an account of a voyage through the inland seas of the Sitkan archipelago, in 1890. By Septima M. Collis (Mrs. General C. H. T. Collis). Illustrated by American Bank Note Co., New York. New York, Cassell Publishing Co. [c1890] 7 p. l., 194 p. illus. (part col.) fold. plate, ports., map. *Copy seen:* DLC; NNS Stef.

3354. COLLISON, WILLIAM HENRY, 1847- In the wake of the war canoe; a stirring record of forty years' successful labour, peril and adventure amongst the savage Indian tribes of the Pacific coast, and the piratical head-hunting Haidas of the Queen Charlotte Islands, B. C., by the Venerable W. H. Collison . . . with an introduction by the Lord Bishop of Derry. New York, E. P. Dutton & Co., [1916] 351, [1] p. 25 plates (incl. map).

Describes experiences of the author as a missionary, chiefly among the Haida Indians of Queen Charlotte Islands, B. C. Includes detailed descriptions of Haida material culture and customs, and of the olachan ("candle-fish") fishing in the Tsimshian territory on the Nass River, B. C., with some notes on Old Metlakatla, the Tsimshian Indian community near Fort Simpson.

Maps of British Columbia and southeastern Alaska sketching location of some places mentioned in text.

Copy seen: DLC.

3355. COLMAN, JOHN. The Newfoundland seal-fishery and its possible influence on the Greenlanders. (Polar record, July 1938. No. 16, p. 99-103, sketch map)

Discussion of present-day sealing among West Greenlanders, by means of gun rather than harpoon, the changes in culture of these people relative to food supply, and the decline in seal population in the Davis Strait region, after organized sealing developed in the Newfoundland region.

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COLOMB, PHILIP HOWARD, 1831-1899, *see* Heer, O. On Miocene flora North Greenland. 1867.

COLOMB, PHILIP HOWARD, 1831-1899, *see* Heer, O. Ueber d. versteinerten Wald Nordgrönland. 1866.

3356. COMEAU, NAPOLEON ALEXANDER, 1848-1923. Report on the Fisheries Expedition to Hudson Bay in the auxiliary schooner "Burleigh" 1914. (*In:* Canada. Dépt. of the Naval Service. Reports on fisheries investigations in Hudson and James Bays and tributary water in 1914, *pub.* 1915. p. 69-85, 3 plates)

The *Burleigh* spent Aug. 14-Sept. 8 in the Port Nelson region of Hudson Bay, where the author investigated fishing in the Nelson River and nearby streams. He gives here observations on whales and seals in Hudson Bay, the salmon, trout and whitefish of Nelson and other rivers, the coast and harbors along southwest Hudson Bay, and the season's ice conditions, with a list of sixty-eight species of birds observed in Hudson Strait and northern Manitoba.

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3357. COMER, GEORGE. Additions to Captain Comer's map of Southampton Island. (American Geographical Society, N. Y. Bulletin, July 1913. v. 45, p. 516-18, sketch map)

Notes (presented by the editor of the Bulletin) on lakes and rivers of Southampton Island and data on currents, islands, and depths of Roes Welcome, corrected or added, by Comer's observations during a whaling voyage in northern Hudson Bay, 1911-12.

Copy seen: DLC.

3358. COMER, GEORGE. Whaling in Hudson Bay, with notes on Southampton Island. (*In:* Boas anniversary volume, anthropological papers written in honor of Franz Boas, N. Y. 1906. p. 475-84)

Personal reminiscences of the captain of a whaling schooner, who made frequent whaling voyages to Hudson Bay and Southampton Island, and incidentally made ethnological collections and observations later worked up by Franz Boas. Includes notes on the depressing effects of the Arctic on men, on Southampton Island natives, and (in some detail) the whaling activities.

Copy seen: DLC.

COMER, GEORGE, *see also* Allen, J. A. Ontogenetic & other variations in musk oxen. 1913.

COMER, GEORGE, *see also* Boas, F. Eskimo of Baffin Land & Hudson Bay. 1901-07.

COMER, GEORGE, *see also* Wissler, C. Archaeology of Polar Eskimo. 1918.

3359. COMMISSION INTERNATIONALE DE L'ANNÉE POLAIRE, 1932-1933. 1r rapport . . . Compte rendu des travaux de la commission pendant sa première année de travail. Procès-verbaux des séances de la réunion à Leningrad, août 1930. Leyde, 1930. iv, 152 p. illus. (incl. map) 2 plates, fold. map. International Meteorological Organization. Secretariat. No. 6) *Title tr.*: First report of the International Polar Year Commission. Report on the first year's work. Proceedings of the Leningrad meeting, August 1930.

Contains in addition to the proceedings, twenty-eight appendices outlining problems, projects, program, methods, and equipment for work in the meteorological, terrestrial and electromagnetic, aerological and hydrological sciences, during the Second International Polar Year, 1932-33.

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3360. COMMISSION INTERNATIONALE DE L'ANNÉE POLAIRE, 1932-1933. Procès-verbaux des séances à Innsbruck 23-26 septembre 1931. Leyde, 1932. p. l., 61-241 p. diagrs. (3 fold.) (International Meteorological Organization. Secretariat. No. 10a, appendice H) *Title tr.*: Proceedings of the meetings in Innsbruck, 23-26 September, 1931.

Contains in addition to the record of proceedings, forty-two appendices by various authors, on proposals, plans, methods, equipment, and publication in the fields of science to be studied during the following International Polar Year, 1932-33. *Copy seen:* NNSTef.

COMMISSION ON THE EXTREME NORTH, U.S.S.R., *see* Vsesoiūzhnaia akademiia sel'skokhoziāistvennykh nauk im. Lenina. Komissiiā Kraeinoi Severa.

COMMISSION POLAIRE INTERNATIONALE, *see* International Polar Commission.

3361. COMRIE, JOHN D. Scurvy in north Russia. (Edinburgh medical journal, Apr. 1920. New ser., v. 24, p. 207-215, plate)

Contains lecture notes on history, causes, symptoms, diagnosis and treatment of scurvy, based on the author's experiences in Murmansk and Arkhangel'sk during World War I.

Copy seen: DLC; NNSTef.

3362. CONGRÈS INTERNATIONAL POUR L'ÉTUDE DES RÉGIONS POLAIRES. 1st, BRUSSELS. 1906. Congrès international pour l'étude des régions polaires tenu à Bruxelles du 7 au 11 septembre 1906, sous le haut patronage du gouvernement belge. Rapport d'ensemble. Documents préliminaires et compte rendu des séances. Bruxelles, Hayez, Impr. des Académies Royales de Belgique, 1906. 311, [71] p., 1 l., [2] p. fold. plan. *Title tr.*: International Congress for the study of the polar regions held at Brussels September 7 to 11, 1906, under the patronage of the Belgian government. General report. Preliminary records and proceedings of meetings.

This congress originated in a resolution passed by the World Congress of Economic Expansion, Mons, 1905. Its purpose was to obtain international agreement on various disputed questions of polar geography, also to co-ordinate efforts to reach the Poles, to organize expeditions, and draw up work for the different countries in connection with these expeditions. The congress' name was changed, Sept. 11, 1906, to International Polar Commission, q.v., for subsequent sessions.

This general report, etc., includes ten "notices" by various authors, on plans, projects, and suggestions for arctic research.

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3363. CONNELL, FRANK H. Trichinosis in the Arctic: a review. (Arctic, Sept. 1949. v. 2, p. 98-107, illus.)

Survey of reports and correspondence concerning occurrence of the parasitic roundworm *Trichinella*, especially in the dog and polar bear of arctic regions; with notes on its life cycle; and a bibliography (17 items).

Copy seen: CaMAI; DLC.

CONNOR, ABRAHAM JAINES, *see* Bethune, W. C., & others. Canada's western northland. 1937.

CONNOR, F. M., *see* O'Neill, J. J. Geology of arctic coast of Canada. 1924.

3364. CONOVER, HENRY BOARDMAN, 1892- . The breeding golden plover of Alaska. (Auk, Oct. 1945. v. 62, p. 568-74)

Results of an investigation of facts as to the nesting grounds of the two races (American and Asiatic) found in Alaska, with data drawn from museum specimens. *Copy seen:* DSI-M.

3365. CONOVER, HENRY BOARDMAN, 1892- . Game birds of the Hooper Bay region, Alaska. (Auk, Apr.-July 1926. v. 43, p. 162-80, 303-318, 2 plates)

Results of the Hooper Bay Expedition to investigate breeding grounds of large wild fowl along the Bering Sea coast, south of the Yukon delta, Apr. 28-Aug. 8, 1924. Detailed notes on nesting, size, enemies, etc. of fifty species in the Point Dall region, the tundra eastward, and Askinuk Range.

Copy seen: DSI-M.

3366. CONOVER, HENRY BOARDMAN, 1892- . The North Pacific allies of the purple sandpiper. (Field Museum of Natural History, Chicago. Publications; zoological ser., May 1944. v. 29, p. 169-79)

Full notes on ranges and plumages of five species, of the Pribilof and Aleutian Islands, or the mainland of Alaska north of Alaskan Peninsula.

Copy seen: DSI-M.

3367. CONOVER, PAT. Alaska's fishing industry. (Alaska life, Feb. 1947. v. 10, no. 2, p. 6-7, 28-31, illus.)

Notes (in general) on the fishing industry and (in particular) on species and habits of Alaska salmon, types of gear, fish traps, and how to get a job in the industry; with briefer notes on herring and halibut fisheries.

Copy seen: DLC.

3368. CONOVER, PAT. Homestead, sweet homestead. (Alaska life, Oct. 1946. v. 9, no. 10, p. 10-12, 18-19 illus.)

"Second in . . . series: 'Not once but twice.'" Advice to prospective homesteaders on crops, farmland area, livestock raising, and homestead regulations, with bibliographic notes.

Copy seen: DLC.

3369. CONOVER, PAT. Hook, line and so forth. (Alaska life, Nov. 1946. v. 9, no. 11, p. 8-9, 30-31, illus.) Third in series "Not once but twice." Notes on game and hunting regulations, and the abundant fishing available in Alaskan inland waters.

Copy seen: DLC.

3370. CONOVER, PAT. In Alaska opportunity knocks not once, but twice. (Alaska life, Sept. 1946. v. 9, no. 9, p. 6-7, 16-21, illus.)

Advice for job-seekers to follow before going to Alaska; information on character of jobs open in Alaska, and detailed notes on highway regulations, water routes and airline operations for transportation to Alaska.

Copy seen: DLC.

3371. CONOVER, PAT. The salmon canning industry. (Alaska life, Mar. 1947. v. 10, no. 3, p. 6-8, 27-30, illus.)

Discussion of the decrease in pack since 1944, the mechanization of canning processes, the workers, wages, early abuses in employment before unionization, and recent trends.

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3372. CONQUEST IN SNOW. Canadian aviation, Oct. 1945. v. 18, no. 10, p. 54-55, 106, illus.)

Instructions and equipment for maintaining airport runways in usable condition during the winter, by the method of combined compaction and removal.

Copy seen: CaMAI; DLC.

3373. CONSPECTUS FAUNAE GROENLANDICAE. Pars [prima]-tertia. Kjøbenhavn, C. A. Reitzel, 1899-1928. 3 v. in 4. illus., 2 plates, fold. maps. (Meddelelser om Grønland, 21-23. hefte)

Contents tr.: Pt. 1. (1) WINGE, H. Birds of Greenland.

2. WINGE, H. The mammals of Greenland.

Pt. 2. (1) STEPHENSON, K. The crustaceans and pycnogonids of Greenland.

2. HENRIKSEN, K. L., and W. LUNDBECK. Land arthropods.

Pt. 3. (1) POSSELT, H. J. The brachiopods and molluscs of Greenland; edited after the death of the author by Ad. S. Jensen.

2. MORTENSEN, T. Echinoderms of Greenland.

3. KRAMP, P. L. Medusae and Siphonophora.

4. BRØNSTED, H. V. Porifera.
5. LEVINSEN, G. M. R. Bryozoa, Endoprocta, Pterobrachia and Entero-neusta.
6. LEVINSEN, G. M. R. Rotatoria.
7. DITLEVSEN, H. Polychaete annelids.
8. ELLINGER, T. Protozoa.
9. KRAMP, P. L. Hydroids.
10. HARTMEYER, R. Ascidians.
11. DITLEVSEN, H. Cestodes.
12. DITLEVSEN, H. Trematodes.
13. JUNGENSEN, H. F. E. Alcyonaria, Antipatharia and Madreporaria.
- Pt. 3. Suppl. (14) MORTENSEN, T. Ctenophorans.
15. KRAMP, P. L. Chaetognaths.
16. WESENBERG-LUND, E. Turbellaria and Nemertinea.
17. WESENBERG-LUND, E. Gephyrea.
18. WESENBERG-LUND, E. Leeches and oligochaetes.
19. WESENBERG-LUND, E. Appendicularia and Salpa.
20. WESENBERG-LUND, E. Tomopterida, Myzostomida and Sternaspida.
21. WESENBERG-LUND, E. Acanthocephala.
22. DITLEVSEN, H. Free-living nematodes from Greenland, land and freshwater.
23. DITLEVSEN, H. Free-living marine nematodes from Greenland waters.
24. CARLGREN, O. Ceriantharia, Zoantharia and Actinaria.

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CONSTANTINE, C., *see* Royal Canadian Mounted Police. Annual report, 1874-1948. 1879-1949.

3374. CONTRIBUTIONS TO THE NATURAL HISTORY OF THE COMMANDER ISLANDS. No. 1-13. (U.S. National Museum. Proceedings. Washington, 1884-1900. v. 6, 1883, p. 58-89; v. 7, 1884, p. 181-89, 340-349, 527-583; v. 8, 1885, p. 584-85; v. 9, 1886, p. 209-219; v. 10, 1887, p. 117-45, 153, 154-56; v. 12, 1889, p. 83-94; v. 18, 1895, p. 717-719; v. 19, p. 237-51; v. 22, p. 125-29, plates)

Contents: No. 1. STEJNEGER, L. H. Notes on the natural history, including descriptions of new cetaceans.

No. 2. STEJNEGER, L. H. Investiga-

tations relating to the date of the extermination of Steller's sea-cow.

No. 3. DALL, W. H. Report on the Mollusca of the Commander Islands, Bering Sea.

No. 4. A-B. GRAY, ASA, and L. STEJNEGER. Notes upon the plants collected on the Commander Islands. Additional notes on the plants of the Commander Islands.

No. 5. TRUE, F. W. Description of a new species of *Mesoplodon*, *M. stejnegeri*, obtained by Dr. Leonard Stejneger, in Bering Island.

No. 6. DALL, W. H. Report on Bering Island Mollusca collected by Mr. Nicholas Grebnitzki.

No. 7. STEJNEGER, L. H. Revised and annotated catalogue of the birds inhabiting the Commander Islands.

No. 8. VASEY, G. Description of *Alopecurus stejneri*, a new species of grass from the Commander Islands.

No. 9. LILLJEBORG, W. On the Entomostraca collected by Mr. Leonard Stejneger, on Bering Island. 1882-83.

No. [10]A. STEJNEGER, L. H. Contributions to the history of Pallas' cormorant.

No. [10]B. LUCAS, F. A. Description of some bones of Pallas' cormorant (*Phalacrocorax perspicillatus*).

No. 11. LUCAS, F. A. The cranium of Pallas' cormorant.

No. 12. BEAN, T. H., and B. A. BEAN. Fishes collected at Bering and Copper Islands by Nikolai A. Grebnitzki and Leonard Stejneger.

No. 13. KISHINOUE, K. A new species of stalked Medusae, *Halielytus stejneri*.

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CONWAY, VERONA MARGARET, *see* Seward, A. C., & V. M. Conway. Fossil plants from Kingigtok, W. Greenland. 1935.

CONWAY, VERONA MARGARET, *see* Seward, A. C., & V. M. Conway. Additional Cretaceous plants from W. Greenland. 1935.

3375. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. The cartography of Spitsbergen. (Geographical journal, June 1903, v. 21, p. 636-44 2 sketch maps, fold. map)

An enumeration and discussion of such maps as the author has noticed from the earliest (by Barendsz, 1598) to those of the beginning of the scientific exploration of the archipelago (1827). *Copy seen: DLC.*

3376. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. An exploration in 1897 of some of the glaciers of Spitsbergen. (Geographical journal, Aug. 1898. v. 12, p. 137-58, illus., fold map)

Paper read before the Royal Geographical Society giving an account of Conway's second expedition, accompanied by E. J. Garwood, to explore and survey that ice-covered area of West Spitsbergen lying between 78°18' and 79°10'N. across the island, south of Wijde Bay, north and east of Ice Fiord. Includes Conway's discussion of the glaciers, mountains, and valleys, as related to erosion and the sculpturing of the rocks by glacier action; also discussion from the floor, with extended remarks by E. J. Garwood on the snow line in Spitsbergen and on surface forms of the glaciers.

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3377. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. The first crossing of Spitsbergen. (Geographical journal, Apr. 1897. v. 9, p. 353-68, 6 plates, 2 fold. maps)

Account of the first Conway expedition, during which Conway and Garwood made three crossings between Advent Bay and Klok Bay, from Klok to Sassen Bay, and from Sassen Bay to Agardh Bay and return, June-Aug. 1896; with descriptions of the physical features, notes on a boat trip around the north end of West Spitsbergen, and side trips of other members of the party.

Maps: 1. Topographic sketch map of part of Spitsbergen, 77°50'-78°30'N. 15°30'-19°05'E. 2. Topographic sketch map of the mountains along the shores of Wijde Bay, 78°10'-79°55'N. 14°30'-17°30'E., including Dickson Bay (off Ice Fiord). *Copy seen: DLC.*

3378. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. The first crossing of Spitsbergen; being an account of an inland journey of exploration and survey, with descriptions of several mountain ascents, of boat ex-

peditions in Ice Fjord, of a voyage to North-Eastland, the Seven Islands, down Hinloopen Strait, nearly to Wiches land, and into most of the fjords of Spitsbergen, and of an almost complete circumnavigation of the main island. By Sir William Martin Conway . . . with contributions by J. W. Gregory, D.S.C., A. Trevor-Battye, and E. J. Garwood; together with eight coloured plates reproduced in facsimile from sketches by H. E. Conway, two maps, and about one hundred full-page and text illustrations from photographs and sketches. London, J. M. Dent & Co.; New York, C. Scribner's Sons, 1897. xii, 371 p. illus., 58 plates (8 col., incl. front.) 2 fold. maps.

The author spent the summers of 1896 and 1897 exploring the interior of West Spitsbergen. This volume is an account of the first season's voyage to the island, and the trips there during which Conway, Gregory, Trevor-Battye, Garwood, and H. E. Conway crossed overland from Advent Bay to Bell Sound, thence northward to Sassen Bay, and from there to Agardh Bay on the east coast and returned to Advent Bay. They made in all thirteen mountain ascents, produced a survey sketch of about 600 square miles of central West Spitsbergen, almost completed a circumnavigation of the main island, and made valuable geologic and natural history collections.

Includes: Report on Ekman and Dickson Bays, by A. Trevor-Battye.

The ascent of Mt. Hedgehog, or Hornsunds Tind, by E. J. Garwood.

Appendix: Nomenclature of Spitsbergen. (Notes on 137 place names of Svalbard).

List of 16 early maps of West Spitsbergen.

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3379. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. How Spitsbergen was discovered. (Geographical journal, Feb. 1903. v. 21, p. 142-50, 2 sketch maps)

Brief review of Willem Barendsz' (and others') voyage of discovery, Barendsz' death, etc., drawn from De Veer's journal. *Copy seen: DLC.*

3380. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. Hudson's voyage to Spitsbergen in 1607. (Geographical journal, Feb. 1900. v. 15, p. 121-30, 3 sketch maps)

Analysis, with extensive quotations, of the journal of John Playse, one of the ship's company on the voyage of the *Hopewell* under Henry Hudson; also notes on Barendsz' discoveries 1596, and on the Barendsz and Hondius charts.

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3381. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. Joris Carolus, discoverer of Edge Island. A forgotten arctic explorer. (Geographical journal, June 1901. v. 17, p. 623-32, 3 sketch maps)

Examination of the claim of an early 17th century Netherlands pilot to have reached 83°N.; based on late 15th and early 16th century maps and writings, with discussion of early Dutch and British exploration, and maps.

Copy seen: DLC.

3382. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. No Man's Land, a history of Spitsbergen from its discovery in 1596 to the beginning of the scientific exploration of the country. Cambridge, University Press, 1906. x p., 1 l., 377 p. 11 plates, 13 maps incl. 2 inside cover.

Results of research over a period of nine years, begun as preliminary studies to the author's expeditions, 1896-97. A well documented account of the discovery of Svalbard, its walrus hunting and whaling history, the international contest over whaling and its settlement; famous winterings on West Spitsbergen, the era of Russian trappers, and national expeditions to the archipelago. List of principal voyages recorded 1847-1900; bibliography of the history and geography of Svalbard (269 items); the cartography with a chronological list of maps, 1598-1820 (56 items), and a history of Svalbard nomenclature before the 19th century.

Copy seen: DLC.

3383. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. The political status of Spitsbergen. (Geographical journal, Feb. 1919, v. 53, p. 83-96, 2 plates)

Historical sketch of national rivalries for West Spitsbergen from the 16th to 19th centuries, including the old whaling, sealing and hunting activities and the more recent coal mining development; with a discussion by others, p. 91-96.

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3384. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. Some unpublished Spitsbergen Mss. (Geographical journal, June 1900, v. 15, p. 628-36, illus.)

Three 17th century Mss. of Capt. Lancelot Anderson and a Mr. Gray, concerning the bay fishery for whales, in the Bell Sound waters of West Spitsbergen.

Copy seen: DLC.

3385. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. Spitsbergen. (Geographical journal, June 1907. v. 29, p. 661-63)

Note on Netherlands government activities concerning old Netherlands whalers' graves, and further notes on the course of Willem Barendsz in his voyage of discovery.

Copy seen: DLC.

3386. CONWAY, WILLIAM MARTIN CONWAY, Baron, 1856-1937. With ski & sledge over arctic glaciers. London, J. M. Dent & Co., 1898. vi p., 2 l., 240 p. 14 plates.

This volume is to be regarded as an appendix to the author's *The first crossing of Spitsbergen*, 1897, q.v. Together, they comprise an account of his exploration of the interior of West Spitsbergen undertaken during the summers of 1896 and 1897, in the company of E. J. Garwood, whose photographs illustrate this book. The text is a narrative of the explorations during 1897, when Conway and Garwood with two companions, ascended (from Klaas Billen Bay) the Nordenskiöld Glacier; proceeded by boat to King's Bay; from there they sledged and skied along King's Highway Glacier (Kongsvegen) into the Pretender Pass-Osborne Glacier region, and eastward into James I Land. Returning to King's Bay they sailed southward to Horn Sound and climbed Hedgehog Mt. to the east. Includes a chapter on skiing, and discussion of the nature of West Spitsbergen's glaciers.

Appendix contains an account of Gustaf Nordenskiöld's traverse from Horn Sound to Bell Sound in 1890.

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3387. COOK, FREDERICK ALBERT, 1865-1940. The conquest of Mt. McKinley, (Harper's magazine, May 1907. v. 114, p. 821-37, illus. (incl. sketch map) plate)

Account of the author's attempt in 1906 to ascend Mt. McKinley, Alaska.

Copy seen: DLC; NNS Stef.

3388. COOK, FREDERICK ALBERT, 1865-1940. The Greenlanders. (*In*: Walsh, H. C., and others. Last cruise of the *Miranda*, 1896. p. 172-79)

General notes on physical, psychological and moral traits and customs of West Greenland Eskimos.

Copy seen: DLC; NNS Stef.

3389. COOK, FREDERICK ALBERT, 1865-1940. My attainment of the Pole: being the record of the expedition that first reached the boreal center, 1907-1909, with the final summary of the polar controversy. New York, Polar Publishing Co., 1911. xx p., 1 l., 604 p. front., illus., 31 plates, ports., sketch map, facsimils., diags.

Other editions without notable change of text, and same plates were published in New York and London by M. Kennerley, 1912 and 1913.

Narrative of Cook's sledge journey with Eskimo companions from Etah, across Ellesmere Island to Axel Heiberg, thence, he claimed, northward to the Pole; his return journey, wintering on North Devon Island, to Etah. Includes chapters on the Polar Eskimos, their hunting and ways of life; descriptions of ice and snow in polar regions; a new sledge design; also discussion of the controversy over the validity of Cook's claims to have reached the North Pole.

Copy seen: DLC; NNS Stef.

3390. COOK, FREDERICK ALBERT, 1865-1940. To the top of the continent; discovery, exploration and adventure in sub-arctic Alaska. The first ascent of Mt. McKinley, 1903-1906. New York, Doubleday, Page & Co., 1908. xxi p., 1 l., 321 p. illus., 47 plates (incl. double face map) 8 maps.

Detailed description of the approaches to, and the routes up Mt. McKinley, in a narrative of two expeditions 1903 and 1906.

Appendices: Brooks, A. H. Sketch of geology of Mt. McKinley.

Osgood, W. H. Biological data and specimens collected by Charles Sheldon. Sheldon, C. The Cook Inlet aborigines.

Brooks, A. H. Railway routes in Alaska.

Copy seen: DLC.

COOK, JAMES, 1728-1779, *see* *Alaska magazine*. Alaskan travels Capt. James Cook. 1927.

3391. COOK, JOHN ATKINS, 1857-1937. Pursuing the whale; a quarter-century of whaling in the Arctic. Boston & New York, Houghton Mifflin Co., 1926. x p., 1 l., 344 p. front., 15 plates, ports.

Narrative of whaling voyages in Bering, Chukchi and Beaufort Seas after bowhead and sperm whales, with useful material on handling of the catch.

Copy seen: DLC; NNS Stef.

3392. COOK, JOHN ATKINS, 1857-1937, and S. S. PEDERSON. "Thar she blows"; experiences of many voyages chasing whales in the Arctic. Boston, Chapman & Grimes [c1937] 2 p. l., 3-4 p., 2 l., 7-314 p. front., 15 plates, ports., map on lining-paper.

Late 19th century whaling in Beaufort and Chukchi Seas.

Copy seen: DLC; NNS Stef.

COOK, K. M., *see* U. S. Office of Education. Public education in Alaska. 1936.

3393. COOK, O. F. Myriapoda of northwestern North America. (*In*: Ashmead, W. H., and others. Insects, part I. Harriman Alaska series. 1904. v. 8, p. 47-80, 3 plates)

Taxonomic study listing among many others, seven species from southern Alaska, including with descriptions, three new ones.

Copy seen: DLC.

3394. COOKE, HAROLD CASWELL, 1884- . Canadian lode gold areas (summary account). Ottawa, King's Printer, 1946. 3 p. l., 86 p. incl. illus. (maps) tables. (Canada. Geological survey. Economic geology series, no. 15)

Contents include introductory remarks on economic importance, etc., (p. 1-9); deposits of the Yukon (p. 30), Canadian Shield, Northwest Territories (p. 31-34), Ontario (p. 38-40), with descriptive notes on the properties.

Copy seen: DGS.

3395. COOKE, HAROLD CASWELL, 1884- . The Canadian Shield. (*In*: Canada. Geological Survey. Geology and economic minerals of Canada, 1947. p. 11-97, illus., incl. 13 sketch maps, diags.)

Description of the physical features of the Shield (in brief) its exploration, and its geology and ore deposits, including the gold and pitchblende of Northwest Territories.

Copy seen: DGS.

3396. COOKE, HAROLD CASWELL, 1884- . Land and sea on the Canadian Shield in Precambrian time, Pt. I-II. (American journal of science, Oct.-Nov. 1933. Ser. 5, v. 26, p. 428-41, 457-74, illus.)

Copy seen: DLC.

3397. COOKE, HAROLD CASWELL, 1884- . Studies of the physiography of the Canadian Shield. 1. Mature valleys of the Labrador Peninsula. (Royal Society of Canada. Transactions, 1929. Ser. 3, v. 23, sect. 4, p. 91-120)

Description of the present position of the Labrador peneplain (northern Quebec included) and discussion of river valleys, including the Hamilton, Naskaupi, Stillwater, George and Koksoak Rivers.

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3398. COOKE, HAROLD CASWELL, 1884- . Studies of the physiography of the Canadian Shield. II. Glacial depression and post-glacial uplift. (Royal Society of Canada. Transactions, 1930. Ser. 3, v. 24 sec. 4, p. 51-87, diagrs.)

Discussion submerged coasts and old beaches of Hudson Bay and Strait, the Labrador Peninsula and St. Lawrence Gulf.

Copy seen: DLC.

3399. COOKE, HAROLD CASWELL, 1884- . Studies of the physiography of the Canadian Shield. III. The pre-Pliocene physiographies as inferred from the geologic record. (Royal Society of Canada. Transactions, 1931. Ser. 3, v. 25, sec. 4, p. 127-80, incl. sketch map)

Discussion by periods of the structural geology of the area eastward from Hudson Bay with sections on Hudson Bay (including James Bay), Manitoba, and mention of southern Baffin Land.

Copy seen: DLC.

3400. COOKE, HAROLD CASWELL, 1884- , and B. GUTENBERG. Is the land around Hudson Bay at present rising? (American journal of science, Feb. 1942. v. 240, p. 144-49)

Criticism, by Cooke, of Gutenberg's conclusions in a paper: *Changes in sea level*, 1941, q.v., and Gutenberg's reply.

Copy seen: DLC.

3401. COOKE, PAUL CHIEF. Revenge on the octopus; an Indian legend. (Alaska sportsman, Aug. 1944. v. 10, no. 8, p. 14-15, 25-26, illus.)

Southeast Alaska Indian legend.

Copy seen: DLC.

3402. COOKE, WELLS WOODBRIDGE, 1858-1916. Bird migration in the Mackenzie valley. (Auk, Oct. 1915. v. 32, p. 442-59, 5 sketch maps)

Discussion of three principal routes to the valley and of the species of birds which use them. *Copy seen:* DSI-M.

3403. COOKE, WELLS WOODBRIDGE, 1858-1916. Labrador bird notes. (Auk, Apr. 1916. v. 33, p. 162-67)

Notes made by Clarence Birdseye, near Sandwich Bay entrance, southeast Labrador, 1912-15; annotated list of forty-seven species of birds, four new to eastern Labrador.

Copy seen: DSI-M.

COOL, LEON D., see Eklund, C. R., & L. D. Cool. Waterfowl breeding Ungava Peninsula 1949. 1949.

3404. COOLIDGE, LOUIS ARTHUR, 1861-1925. Klondike and the Yukon country, a description of our Alaskan land of gold from the latest official and scientific sources and personal observations, by L. A. Coolidge; with a chapter by John F. Pratt. New maps and photographic illustrations. Philadelphia, H. Altemus, 1897. 213 p. 16 plates (incl. map) fold. map.

Guide to the country and mining methods, with notes on the boundary dispute and the mining laws.

Copy seen: DLC; NNSf.

3405. COOPER, ARTHUR REUBEN, 1888- . Trematoda and Cestoda. Ottawa, King's Printer, 1921. 27 p. incl. 2 plates. (Canadian Arctic Expedition, 1913-1918. Report. v. 9: Annelids, parasitic worms, protozoans, etc., Pt. G-H)

List, with descriptions, localities and hosts noted, of one trematode and sixteen (including four new) species of cestodes from marine and lake fishes, mammals (marine and terrestrial) and birds of Alaska and Northwest Territories, with a few forms from other areas.

Copy seen: DSI-M.

3406. COOPER, GUSTAV ARTHUR, 1902- . New Cambrian brachiopods from Alaska. (Journal of paleontology, Apr. 1936. v. 10, p. 210-14, plate)

Descriptions of four (including three new) species and one new genus based on specimens collected northeast of Eagle, Alaska. *Copy seen:* DGS.

3407. COOPER, JOHN MONTGOMERY, 1881- . Field notes on northern Algonkian magic. (International Congress of Americanists. 23rd, New York, 1928. Proceedings. New York, 1930. p. 513-18, map)

Describes the practice and function of hunting magic, weather magic, cradle charms, and conjuring, as known to the Cree and Montagnais Indians of northern Ontario and adjacent Quebec, based upon field studies by the author in the summers of 1925-28. Includes description of the cylindrical lodges used by shamans for conjuring.

Sketch map, scale about 1:25,000,000, shows location of places mentioned.

Copy seen: DLC.

3408. COOPER, JOHN MONTGOMERY, 1881- . Is the Algonquian family hunting ground system pre-Columbian? (American anthropologist, 1939. n. s. v. 41, p. 66-90)

Contains an outline of the system of land tenure (based on that in force among the Tête de Boule Cree of the upper St. Maurice River Quebec, noting variations among other northern Algonkian groups) and a discussion of the evidence of its aboriginality.

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3409. COOPER, JOHN MONTGOMERY, 1881- . Snares, deadfalls, and other traps of the northern Algonquians and northern Athapaskans. Washington, D. C., The Catholic University of America, 1938. 2 p. l., 144 p. illus., 6 plates, diags. (The Catholic University of America. Anthropological ser. no. 5)

Contains descriptions of snares, deadfalls, and other trapping devices used to catch animals and birds, by the Cree, Montagnais, and Chipewyan Indians; based primarily upon summer field work in 1931-34 and 1937. Includes also notes on distribution of trap types in other parts of North America and (briefly) in the Old World. Bibliography, p. 139-43. *Copy seen:* DLC.

3410. COOPER, JOHN MONTGOMERY, 1881- . Some notes on the Waswanipi. (International Congress of American-

ists. 22nd, Rome, 1926. Atti, 1928. v. 2, p. 459-61)

Contains preliminary notes on a little known group of Montagnais Indians whose hunting grounds lie south of James Bay in the Nottaway-Waswanipi-Chibougamau region.

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COOPER, PATRICK ASHLEY, 1887- , see Macaulay, R. H. H. Trading into Hudson's Bay. 1934.

3411. COOPER, WILLIAM SKINNER, 1884- . Additions to the flora of the Glacier Bay National Monument, Alaska 1935-36. (Torrey Botanical Club. Bulletin, Oct. 1939. v. 66, p. 453-56)

Based on work carried on in continuation of the author's ecological survey of the region, begun in 1916. A list, with habitats, of thirty-one species, and a list of sixty-seven species of plants collected by D. Brink, from the west flank of the Fairweather mountain near Lake Crillon.

Copy seen: DA; NNS Stef.

3412. COOPER, WILLIAM SKINNER, 1884- . The forests of Glacier Bay — present, past, and yet unborn. (Journal of forestry, Jan. 1924. v. 22, p. 16-23, sketch map)

Description of plant succession following the most recent recession of the glacier, and of the vegetation during interglacial periods, as shown by deposits along the Bay.

Copy seen: DA.

3413. COOPER, WILLIAM SKINNER, 1884- . A fourth expedition to Glacier Bay, Alaska. (Ecology, Apr. 1939. v. 20 p. 130-55, illus., tables, 2 sketch maps, diags.)

Report on changes observed during the Field Expedition to Alaska in 1935 in the quadrats set by the author on previous trips. Descriptions of the vegetation cycle on the foreland east of this Bay and on the eight quadrats along the shores, with discussion of interglacial forests. *Copy seen:* DA.

3414. COOPER, WILLIAM SKINNER, 1884- . The problem of Glacier Bay, Alaska: a study of glacier variations. (Geographical review, Jan. 1937. v. 27, p. 37-62, illus., 4 sketch maps, fold. map)

Result of the author's observations during four visits, over a period of

nineteen years, "to trace the glacial history of the bay and its surroundings from the last glacial maximum of the Pleistocene to the present." Detailed illustrations from photographs, and description of the moraines, deposits, and glaciers, and discussion of advances and recessions (based in part on tree-ring counts) and of the causes and manner of these movements.

Copy seen: DLC.

3415. COOPER, WILLIAM SKINNER, 1884- . The recent ecological history of Glacier Bay, Alaska: I-III. (*Ecology*, Apr.-Oct. 1923. v. 4, p. 93-128 223-46, 355-65, illus. fold. map, diagrs.)

Based on a reconnaissance of all inlets and most ice-fronts, 1916, and a resurvey of these quadrats and study of the vegetation of the Muir Inlet region, 1921.

Contents: 1. The interglacial forests of Glacier Bay. (Brief climatic analysis, description of the region, its areal geology and glacial history; full discussion of earlier vegetation, its soils, and mosses)

2. The present vegetation cycle. (Areal ecology, list of twenty-nine plants, plant communities, primitive and present habitats)

3. Permanent quadrats: an initial report upon a long-period study. (Comparison of state of vegetation between 1916 and 1921)

Copy seen: DA.

3416. COOPER, WILLIAM SKINNER, 1884- . The seed-plants and ferns of the Glacier Bay National Monument, Alaska. (Torrey Botanical Club. Bulletin, May 1931. v. 57 p. 327-38)

Based on visits in 1916, 1921, and 1929, to carry out an ecological survey of the region, a list, with habitats, of two hundred thirty-two species.

Copy seen: DA; NNStef.

3417. COOPER, WILLIAM SKINNER, 1884- . A third expedition to Glacier Bay, Alaska. (*Ecology*, Jan. 1931. v. 12, p. 61-95, illus., tables, 3 sketch maps, diagrs.)

A party of four under the author's direction, continued the study of ecological history and made botanical collections in the Glacier Bay, Stikine River and Davidson Glacier regions, summer 1929. He reports here on the differences found in the quadrats, between visits of 1916, 1921 and 1929:

gives detailed discussion of the plant successions, various stages, succession and erosion, interglacial forests, and the foreland east of the bay.

Copy seen: DA.

3418. COOPER, WILLIAM SKINNER, 1884- . Vegetation of the Prince William Sound region, Alaska; with a brief excursion into Post-Pleistocene climatic history. (*Ecological monographs*, Jan. 1942. v. 12, p. 1-22, illus., 3 sketch maps)

Results of observations made during the author's collaboration with the Field Expedition to Alaska, 1935. Notes on the geography, glacial history and climate, on the forests, tundra and inter-relations of bog, heath, and forest; a description of the vegetation of the fiord complex with remarks on paleoclimate, and a bibliography (51 items).

Copy seen: DA.

COPE, EDWARD DRINKER, 1840-1897, *see* Scammon, C. M. On the cetaceans of the W. coast North America. 1869.

COPELAND, MANTON, 1881- , *see* Allen, G. M., & M. Copeland. Mammals from MacMillan Exped., Baffin Land. 1924.

3419. COPELAND, RALPH, 1837-1905. Messung der Fortrückung des Gletschers im Kaiser-Franz-Josephs-Fjord in 26° westl. L. und 73°12' nördl. Br. (*In:* Geographische Gesellschaft in Bremen. *Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870.* 1874. Bd. 2, p. 935-36) *Title tr.:* Measurement of the advance of glaciers in Franz Josef Fjord, 26°W. 73°12'N.

Results of observations made during two days, on East Greenland glacier movements.

Copy seen: DLC.

3420. COPELAND, RALPH, 1837-1905. On a revised map of Kaiser Franz Josef Land, based on Oberlieutenant Payer's original survey. (*Geographical journal*, Aug. 1897. v. 10, p. 180-91, fold. map, tables)

A detailed analysis of the survey carried out by the Austro-Hungarian Expedition, 1872-74 in the *Tegethof*, and a revised map constructed by the author, correcting errors of Payer, which had been pointed out by F. Nansen and F. G. Jackson.

Copy seen: DLC

COPELAND, RALPH, 1837-1905, see also Börgen, C. N. J., & R. Copeland. *Astronomische Ortsbestimmungen. 1874.*

COPELAND, RALPH, 1837-1905, see also Börgen, C. N. J., & R. Copeland. *Geschwindigkeit d. Schalls bei niedrigen Temperaturen. 1874.*

COPELAND, RALPH, 1837-1905, see also Börgen, C. N. J., & R. Copeland. *Recognoscirung für Gradmessung. 1874.*

COPELAND, RALPH, 1837-1905, see also Koldewey, K., & others. *Fahrt der Germania. 1873.*

COPELAND, RALPH, 1837-1905, see also Payer, J., & others. *Jagden u. Thierleben in Ostgrönland. 1873.*

3421. COPENHAGEN. MARINENS BIBLIOTEK. Katalog over litteratur vedrørende polaromraadernes og verdenshavenes, opdagelse og udforskning, hval- og sælfangst, personalhistorie, tidsskrifter, aarsskrifter og andre periodica . . . Udarbejdet af . . . H. A. O. Bistrup. København, Levin & Munksgaard, 1933. xvi, 390 p. *Title tr.:* Catalogue of literature concerning the discoveries and the explorations of the polar environs and the oceans, whale- and seal fisheries, biography, periodicals, annuals and other periodical papers.

This is v. 1 of a two-volume catalog of the Danish Navy Library. v. 2 pub. 1936 is: Naval, nautical and technical literature. Yearly supplement (Aarligt tillæg) issued since 1933, covers both sections of the catalog.

The Library of the Danish Navy includes a main, and eight smaller collections in institutions under the direction of the Ministry of Marine.

This catalog lists works by region with subject subdivisions. The regional sections include a record of expeditions and their published results. Each volume and supplement is indexed. Includes Greenland, north polar region (circumpolar other than Greenland and Iceland) and a section on whaling and sealing.

File seen: DLC (v. 1-2, suppl. 1933-39); NhD (v. 1-2; suppl. 1933-48)

3422. COPLAND, ALFRED. Consider the Eskimo. A company fur trader writes of his friends in the Arctic, among whom he has lived for many

years. (Beaver, Mar. 1942. Outfit 272, no. 4, p. 4-10, illus.)

An informative article in popular style, on the temperament, dwellings, seasonal habits, hunting, and social behavior of Canada's mainland Eskimos.

Copy seen: DSI-M.

COPPER RIVER JOE [pseud.] see Remington, Charles Henry, 1859-

COPPINGER, RICHARD W., see Nares, Sir G. S. *Narrative voyage polar sea 1875-6. 1878.*

3423. COQUILLET, D. W. Diptera. Papers from the Harriman Alaska Expedition. IX. Entomological results (3). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 389-464) Reprinted, 1904, in Ashmead, W. H., and others. *Insects, part II. Harriman Alaska series. v. 9, p. 1-78.*

List, with synonymy and localities, of two hundred seventy-six (including, with descriptions, sixty-three new) species of flies from southern and southeastern Alaska.

Copy seen: DLC.

3424. CORCORAN, ARTHUR CURTIS, and I. M. RABINOWITCH. A study of the blood lipoids and blood protein in Canadian Eastern Arctic Eskimos. *Biochemical journal*, 1937. v. 31, p. 343-48)

Based on data collected in 1935, during an Eastern Arctic Patrol of the *Nascope*, from Eskimos in Hudson Bay and Strait, northern Baffin, Devon, and Ellesmere Islands.

Copy seen: DLC; NNStef.

3425. CORDEIRO, F. J. B. The volcanoes of Alaska. (Appalachia, July 1910. v. 12, p. 130-35)

An account of the volcanoes of Alaska Peninsula, the Aleutians, and mention of Kamchatka, derived from observations made by the author in 1892 and 1894; with more detailed notes on Makushin of Unalaska.

Copy seen: DGS.

3426. CORMIE, JOHN A. The Hudson Bay Route. (Geographical review, July 1917, v. 4, p. 26-40, illus. map)

A general discussion of the potentialities of the route, the history of the Hudson Bay Railway, and the navigability of the Bay and Strait.

Copy seen: DLC.

3427. CORRIGAN, R. S. CAMERON. Medical practice among the Bush Indians of northern Manitoba. (Canadian Medical Association. Journal, 1946. v. 54, p. 220-23)

Description, by the medical superintendent of Norway House Indian Hospital, of his transportation and medical problems among the Cree in a radius of two hundred miles north and east of Norway House (53°58'N. 97°50'W.)

Copy seen: CaMAI; DSG.

3428. CORRIGAN, R. S. CAMERON. Scurvy in a Cree Indian. (Canadian Medical Association. Journal, 1946. v. 54, p. 380-83, incl. col. illus.)

Presentation of a case, showing typical haemorrhagic lesions of gums and legs, in which the deficiency state appeared to have been exacerbated by pregnancy, and which responded to vitamin C treatment, with remarks on food of the Cree.

Copy seen: CaMAI; DSG.

CORRIGAN, R. S. CAMERON, *see also* Moore, P. E., & *others.* Medical survey of nutrition northern Manitoba Indians. 1946.

3429. CORY, TREVOR, *compiler and editor.* The White Pass & Yukon route, the scenic railway of the world. The Atlin gold fields, White Horse copper belt, Klondike, Yukon and Cape Nome gold fields; to which is added a compendium of the principal points of interest along this picturesque route. Seattle, Wash., [c1901] 144 p. incl. advertising, illus. fold. map.

"Descriptive and scenic souvenir" containing information on Skagway, Whitehorse, and Dawson, but nothing on Nome. *Copy seen:* NNStef.

3430. CORSER, HARRY PROSPER, 1864-1936. Legendary lore of the Alaska totems. Juneau, Alaska, The Purity Pharmacy, c1911. [50] p. incl. mounted illus., mounted plates.

Legends of the Tlingit Indians.

Copy seen: DLC; NNStef.

3431. CORSER, HARRY PROSPER, 1864-1936. Seventy-six page history of Alaska. [n. p.] c1927. 76 p. illus., ports. Succinct historical outline, by a missionary who had spend almost thirty years in Alaska.

Copy seen: NNStef.

3432. CORSER, HARRY PROSPER, 1864-1936. Totem lore and the land of the totem, including Totem lore, 6th ed. and Through the ten thousand islands of Alaska, 2d ed. Juneau, Alaska, The Nugget Shop. [n. d.] 97 p. illus.

Description of the Alexander Archipelago, and lore of the Tlingit and other Indians. *Copy seen:* NNStef.

3433. CORSER, HARRY PROSPER, 1864-1936. Totem lore of the Alaska Indian and the land of the totem. New ed., rev. By the late H. P. Corser. Wrangell, Alaska, W. C. Waters [c1940] 116, [1] p. illus. (incl. ports, map) 24 cm.

"Totem lore has passed through nine editions."—Intro. *Copy seen:* DLC.

3434. CORTI, ARNOLD. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 25. Lepidoptera IV. Phalaenae: 3. Notodontidae and Noctuidae (exp. p.) [Stockholm, 1929] 4 p. (Arkiv för zoologi. Bd. 21 B, no. 1) *Title tr.:* Entomological results of the Swedish Kamchatka Expedition, 1920-22. 25. Lepidoptera IV. Phalaenae: 3. Notodontidae and Noctuidae (exp. p.)

List, with localities of thirty (including with description, one new) species of moths. *Copy seen:* DSI-M.

3435. CORVELL, C. A. Land rescue squad. (Alaska life, Mar. 1944. v. 7, no. 3, p. 15-18, illus.)

Description of the training, methods and work of a U. S. Army Air Corps Land Rescue Squad in the mountains and wilderness of Alaska.

Copy seen: DLC.

3436. COTTAM, CLARENCE, 1899-. Food of arctic birds and mammals collected by the Bartlett Expeditions of 1931, 1932, and 1933. (Washington Academy of sciences. Journal, Apr. 15, 1936. v. 26, p. 165-77)

The material for this paper came from birds of East Greenland in the Clavering Island region (1931), from West and North Greenland (1932), and from birds and mammals of Melville Peninsula, Hudson Strait and Southampton Island (1933). Author gives a summary of food percentages by volume from analysis of twenty-two species of birds, a weasel and a ground squirrel, with a bibliography (8 items).

Copy seen: DLC.

3437. COUDERT, JEAN-LOUIS, and others. Missions du Yukon et de Prince-Rupert. (L'Apostolat, fév. 1941. v. 12, p. 33-61, illus. (ports.) sketch map) *Title tr.:* Missions of the Yukon and Prince Rupert.

A special number of the monthly review of the Oblates of Mary Immaculate, dedicated to the apostolic vicariate of Yukon and Prince Rupert. It contains brief articles on the history of O.M.I. missionary work in British Columbia and Yukon, beginning 1842, and of modern activities in the region, among the Indians.

Copy seen: CaOUS.

COUES, ELLIOTT, 1842-1899, see Elliott, H. W. Report, condition of affairs in Alaska. 1875.

COUR, DAN LA, see Lacour, Dan.

3438. COURT, ARNOLD, 1914- . Insolation in the polar atmosphere. (Franklin Institute. Journal, Feb. 1943, v. 235, p. 169-78, diagrs. 1 fold.)

Mathematical and astronomical determinations of the distribution of the solar radiation in the free atmosphere of the polar regions. Bibliography (9 items).

Copy seen: DLC.

3439. COURT, ARNOLD, 1914- . Shipwrecked German weathermen winter in ice caves on Shannon Island, northeast Greenland. (Arctic, Sept. 1949, v. 2, p. 108-117, illus.)

Account of wintering 1943-44, drawn from E. G. Triloff, *Eine Überwinterung auf Nordostgrönland*, 1948, q.v.

Copy seen: CaMAI; DLC.

3440. COURT, ARNOLD, 1914- . Wind chill. (American Meteorological Society, Bulletin, Dec. 1948, v. 29, p. 487-93)

"Revised from Memorandum Report No. 12, Environmental Protection Section, Office of the Quartermaster General, Department of the Army." Notes on the term "wind chill," first used in an unpublished dissertation of P. A. Siple, *Adaptation of the explorer to the climate Antarctica*, 1939, Clark University Library. Critical discussion of Siple's formula expressing the "rate of heat removal from the human body by wind and low temperature."

Copy seen: DLC.

COURT, ARNOLD, 1914- , see also Bruce, D., & A. Court. Trees for Aleutians. 1945.

3441. COURTAULD, AUGUSTINE. A journey in Rasmussen Land. (Geographical journal, Sept. 1936, v. 88, p. 193-215, 4 plates, incl. map)

Brief account, read before the Royal Geographical Society, of the Anglo-Danish Expedition to East Greenland, 1935, its archeological work on the coast and ascent of the highest peak of the Watkins Range in the area northeast of Kangerdlugssuak Fiord. Appended are notes on its surveying equipment, rations, and packing.

Copy seen: DLC.

3442. COURTAULD, AUGUSTINE. Living alone under polar conditions. (Polar record, July 1932, No. 4, p. 66-74, diagr.)

Account of the author's stay Dec. 3, 1930 to May 5, 1931, in the Inland Ice Station, 67°03'N. 41°49'W., of the British Arctic Air Route Expedition to Greenland, with notes on the provisions, on the snow house (with plan) and the efforts (complicated by snowstorms) to keep its exit open; on the rationing of food and fuel, and the manner in which the author passed the time.

Copy seen: DLC.

COURTAULD, AUGUSTINE, see also Chapman, F. S., & others. Northern lights. 1932.

COURTAULD, AUGUSTINE, see also Chapman, F. S., & others. Northern lights. 1933.

3443. COURTEAUD, PIERRE BEN-JAMIN. Rapport sommaire sur les collections d'histoire naturelle faites pendant la campagne. (In: Voyage de "La Manche" à l'île Jan-Mayen et au Spitzberg (juillet-août 1892) 1894, p. 145-54) *Title tr.:* Summary report on the natural history collections made during the expedition. (In: *La Manche Expedition to the island of Jan Mayen and Spitsbergen*)

Contains brief notes on the collecting program, including Jan Mayen and West Spitsbergen (in the Bell Sound and Ice Fiord regions). The papers based on the various plants, animals, and geological specimens collected, are listed in the contents note of *Voyage de "La Manche"* (etc.) 1894, q.v., and

are analysed under their authors' names in this Bibliography.

Copy seen: DLC.

3444. COVERT, CLERMONT CALVERT, 1872-, and **C. E. ELLSWORTH.** Water-supply investigations in the Yukon-Tanana region, Alaska, 1907 and 1908, Fairbanks, Circle, and Rampart districts. Washington, U. S. Govt. Print. Off., 1909. 108 p. illus., 7 plates (incl. 3 fold. maps) diagrs. (U. S. Geological Survey. Water-supply paper 228)

Contains results of field work, June 18-Sept. 23, 1907, and May 1-Oct. 15, 1908, with data from sixty stations, on gage height and discharge, with notes on factors affecting the flow, and including Little Chena, Chatanika, Minor Yukon, and west fork of Tolovana River drainage basins, and many creeks in the three districts.

Copy seen: DGS.

COVERT, CLERMONT CALVERT, 1872-, *see also* Henshaw, F. F., & C. C. Covert. Water-supply investigations in Alaska, 1906-07. 1908.

COVERT, CLERMONT CALVERT, 1872-, *see also* Prindle, L. M., & others. Fairbanks & Rampart quadrangles. 1908.

3445. COVILLE, FREDERICK VERNON, 1867-1937. *Harrimanella*, a new genus of heathers. Papers from the Harriman Alaska Expedition. XXVI. (Washington Academy of Sciences. Proceedings, 1901. v. 3, p. 569-76, illus.)

Contains keys to the genera *Cassiope* and *Harrimanella*, description of the new genus, and notes on the synonymy, distribution and habitat of its two species.

Copy seen: DLC.

3446. COVILLE, FREDERICK VERNON, 1867-1937. The tree willows of Alaska. Papers from the Harriman Alaska Expedition. IV. (Washington Academy of Sciences. Proceedings, 1900. v. 2, p. 275-86, plate)

List, with key, descriptions, and extended notes on distribution, of five (including one new) species of willows, and remarks on the botanical activities and program of the expedition.

Copy seen: DLC.

3447. COVILLE, FREDERICK VERNON, 1867-1937. The willows of Alaska. Papers from the Harriman Alaska Ex-

pedition. XXIV. (Washington Academy of Sciences. Proceedings, 1901. v. 3, p. 297-362, 10 plates)

Contains a key and list, with descriptive notes, synonymy, and localities of twenty-three species, including tree, shrub, and prostrate forms.

Copy seen: DLC.

3448. COVILLE, FREDERICK VERNON, 1867-1937, and FREDERICK FUNSTON. Botany of Yakutat Bay, Alaska. With a field report. (U. S. National Herbarium. Contributions, 1895. v. 3, p. 325-53; issued also with separate title-page, 1896, as v. 3, no. 6) Results of explorations of F. Funston, a field agent of U. S. Dept. of Agriculture in the summer of 1892.

Contents: 1. Funston, F. Field notes. (Vegetation and topography of Glacier Bay Region).

2. Coville, F. V. Botanical report. (Catalog, with notes, of one hundred fifty-nine species of flowering plants, ferns, mosses and liverworts)

Copy seen: DLC; NNSf.

3449. COWAN, JAMES A. Radium; a romance of fantastic fact. The story of how Canada became the most active producer of the world's most precious element. (Maclean's magazine, May 1, 1937. v. 50, no. 9, p. 12-13, 75-77)

Notes on the discovery and development of the Great Bear Lake deposits, and on the radium refinery and uses.

Copy seen: DLC; NNSf.

COWAN, P. R., *see* Canada. Experimental Farms Service. Visit N. stations & Alaska. 1946.

3450. COWMAN, CHARLES W. The wreck of the *Yukon*. (Alaska sportsman, Aug. 1946. v. 12, no. 8, p. 18-21, 34-36, illus.)

Details of the wrecking and rescue of the steamer *Yukon*, on Cape Fairfield, Kenai Peninsula, Feb. 4-5, 1946, as related by the ship's second officer.

Copy seen: DLC.

3451. COX, IAN H. Arctic and some other species of *Streptelasma*. (Geological magazine, Jan. 1937. v. 74, p. 1-19, 2 plates)

Re-description of eleven species of fossil corals (two new), including four from the Canadian Arctic Islands and two from northwest Greenland.

Copy seen: DGS.

3452. COX, IAN H. Eskimo remains on Akpatok Island, north-east Canada. (Man; a monthly record of anthropological science, Apr. 1933. v. 33, p. 57-61, illus. plate)

Describes Eskimo implements and utensils of walrus ivory, whalebone, wood, and stone from Akpatok Island, Ungava Bay, found on the Oxford University Hudson Straits Expedition, 1931. Gives results of microscopic mineralogical examination of rock slices from stone kettles. **Copy seen:** DLC.

3453. COX, IAN H. On *Climacograptus inuiti*, sp. nov. and its development. (Geological magazine, Jan. 1933. v. 70, p. 1-19, illus., 2 plates)

Based on Ordovician graptolite specimens collected by the author during the Oxford University Hudson Straits Expedition, 1931, on Akpatok Island.

Copy seen: DGS.

3454. COX, IAN H. The physical geography of Akpatok Island. The Oxford University Exploration Club's Expedition, 1931. Appendix 1. (Geographical journal, Sept. 1932. v. 80, p. 224-27)

Notes on the coast line, drainage, surface features, effect of glacial material on the topography, and soils.

Copy seen: DLC.

3455. COX, IAN H. Rejuvenation on Akpatok Island; a topographical unconformity in north-eastern Canada. (Geological magazine, Feb. 1933. v. 70, p. 67-83, illus., 5 plates)

Results of the Oxford University Hudson Straits Expedition, 1931. Descriptions of topography, drainage, and coast line; discussion of the causes of rejuvenation (uplift, retrogradation, faulting) and faulting on the Canadian Shield.

Copy seen: DGS.

3456. COX, IAN H. Revision of the genus *Calapoccia* Billings. Ottawa, King's Printer, 1936.

Based on material collected by the author from the limestones of Akpatok Island, Ungava Bay, while on the Oxford University Hudson Straits Expedition, 1931, a revision and re-description of fossil corals from the Richmond age. Bibliography p. 36-40.

Copy seen: DLC.

3457. COX, IAN H. Richmondian trilobites from Akpatok Island. (Geolog-

ical magazine, Aug. 1933. v. 70, p. 359-73, plate)

Based on collections made during Oxford University Hudson Straits Expedition, 1931, a note on the lithology of the section and description of thirteen (including one new) species, with a comparison of the fauna with that of northwest Greenland.

Copy seen: DGS.

COX, IAN H., see also Foerste, A. F., & I. H. Cox. Cephalopods (etc.) Akpatok I. 1936.

COX, JOHN R., see Chipman, K. G., & J. R. Cox. Geographical notes arctic coast Canada. 1924.

3458. COX, PHILIP. The lumpfish of Hudson Bay, *Cyclopterus lumpus* var. *Hudsonius* Cox. (Royal Canadian Institute. Transactions, Mar. 1920. v. 12, p. 241-45, illus.)

Detailed description of a variety, based on one specimen collected at Churchill, 1885.

Copy seen: DLC.

3459. COX, PHILIP. Results of the Hudson Bay Expedition, 1920. II. The Gasterosteidae. (Canada. Biological Board. Contributions to Canadian biology, 1921, pub. 1922. p. 149-53)

Report on, and discussion of the distribution of three species of sticklebacks from fifteen stations around the edges of James and Hudson Bays, in ponds and pools of the beaches and rivers, and from the sea surface.

Copy seen: DLC; DSI-M.

3460. CRABB, EDWARD DRANE, 1890-. A note on the economic status of the bald eagle in Alaska. (Auk, July 1923. v. 40, p. 419-23)

A plea against the extermination of this bird in Alaska, and suggestion for limiting the application of the 1918 bounty law; includes notes on stomach contents of the birds.

Copy seen: DSI-M.

3461. CRAHMER, WILHELM. Bericht über ethnographische Arbeiten in Lappland. I. (Tornelappmark, Enare-See, Kola) 1912. II. (Tornelappmark) 1913. (Zeitschrift für Ethnologie. Berlin, 1913-1914. v. 45, p. 532-44; v. 46, p. 785-823, illus.) **Title tr.:** Report on ethnographic work in Lappland. I. (Torne Lappmark, Lake Inari, Kola) 1912. II. (Torne Lappmark) 1913.

Part 1 outlines the travels of Crahmer and Planert in Lappland from March to October, 1912. Living with Lapps, they started from Kiruna, traveled in northern Sweden, Norway, and Finland, studied the Lapps along Lake Inari and the Varanger and Neiden Fiords, visited Lake Imandra in the Kola Peninsula, and ended their journey at the White Sea. Includes discussion of degree to which the native cultures have been replaced by European.

Part 2, based upon more intensive studies in 1913 of the nomadic Lapps of northern Sweden, gives detailed description of the ethnography of these people. Emphasizes activities associated with reindeer. Includes numerous pictures of dwellings and of reindeer travel activities.

Copy seen: DLC.

3462. CRAHMER, WILHELM. Über Lappen und Samojeden. (Zeitschrift für Ethnologie. Berlin, 1912. v. 44, p. 105-116, illus.) **Title tr.:** On the Lapps and Samoyeds.

Contains summary of physical and cultural characteristics of the Lapps and Samoyeds. Includes pictures of six Lapps and six Samoyeds. An address at the Northland Expedition, Nov. 6, 1911.

Copy seen: DLC.

3463. CRAIG, JOHN DAVIDSON, 1876- Canada's arctic islands, log of Canadian expedition, 1922, with an appendix, Aviation in the Arctic, by R. A. Logan. Ottawa, King's Printer, 1923. 27 p. illus. maps (incl. 1 fold.)

Report (by the officer in charge) on an expedition organized by the Canadian Dept. of Mines and Resources, Northwest Territories Branch, to establish police posts, custom houses and post offices at various points throughout the North.

Contains notes on personnel, brief account of the voyage of C. G. S. *Arctic* (Captain Bernier) July 17-Sept. 23, 1922, by Davis Strait and Baffin Bay to Lancaster Sound region; the establishment of posts, etc., at Craig Harbour on Ellesmere Island, and at Pond Inlet on Baffin Island, and a reconnaissance of Dundas Harbour on North Devon Island; the return, visiting at Godhavn, Disko; with remarks on Bylot Island, on ice conditions, especially in Eclipse, Lancaster and Jones Sound regions; on Royal Canadian Mounted

Police works; possibilities for aviation in the region, the Eskimos of West Greenland, etc. **Appendix:** Aviation in the Arctic, a reconnaissance of flying conditions in the Eastern Arctic Archipelago 1922, by R. A. Logan.

Copy seen: CaMAI; DLC.

CRAIG, JOHN DAVIDSON, 1876- see also Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Canada's Arctic Islands. Expeds. 1922-25. 1927.

3464. CRAIG, LULU ALICE. Glimpses of sunshine and shade in the far North; or, My travels in the land of the midnight sun. Cincinnati, The Editor Publishing Co., 1900. ix, 123 p. 14 plates (part col.) part.

Impressions from the author's travels via British Columbia to Dawson, 1898, where she remained a year, returning by the Yukon River and Bering Sea.

Copy seen: DLC; NNSf.

3465. CRAIG, R. M. Outline of the geology of Prince Charles Foreland, Spitsbergen. (Edinburgh Geological Society. Transactions, 1914-15, pub. 1916. v. 10, p. 276-88, 2 plates)

Based on observations made by the author in Aug. 1914, as a member of the Scottish Spitsbergen Expedition. Descriptions of the topography and the geologic formations, including Silurian, Devonian?, Tertiary and Recent (peat, glacial deposits, raised beaches and lagoons).

Copy seen: DGS.

3466. CRAMER, KARL EDUARD, 1831-1901. Fossile Hölzer der arktischen Zone. (In: Heer, O. Die in Nordgrönland (etc.) fossilen Pflanzen, 1868, pub. in Heer, O. Flora fossilis arctica, Bd. 1, p. 167-80) **Title tr.:** Fossil wood of the arctic zone.

Full descriptions of three species from West Greenland (Atanikerdluk, Nugssuaq), five species from Banks Island, and three species from Green Harbor, West Spitsbergen, all of which are figured on various plates in the paper by O. Heer.

Copy seen: DLC.

3467. CRANE, ALICE ROLLINS, compiler. Smiles and tears from the Klondyke; a collection of stories and sketches. New York, Doxey's At the Sign of the Lark [1901] 203 p. front. plates, ports.

Copy seen: DLC; NNSf.

3468. CRANZ, DAVID, 1723-1777. Historia om Grönland, deruti landet och dess inbyggare etc., i synnerhet Evangeliska bröda-församlingens . . . mission . . . beskrifwas; af David Cranz på tyska författad . . . på svenska öfversatt . . . Stockholm, J. G. Lange, 1769. 2 v. fold. plates, 2 fold. maps. **Title tr.:** History of Greenland in which the land and its inhabitants, especially the mission of the congregation of Evangelical Brethren, . . . are described.

Swedish translation of *Historie von Grönland*, 1765; to which a third volume was added: Forsättning af Historien om Grönland, i synnerhet af Evangeliska bröda-församlingens där warande missioners förrättningar i Ny-Herrnhut och Lichtenfels ifrån år 1763 til 1768, jemte betydeliga anmärkningar och tilökningar, rörande landets natural-historia, af David Cranz . . . Stockholm, J. G. Lange, 1770. 8 p. l., 380, [18] p. **Title tr.:** Continuation of the history of Greenland, especially of the missionary activities of the Congregation of Evangelical Brethren at New Herrnhut and Lichtenfels from the year 1763 to 1768, together with considerable annotations and additions concerning the natural history of the country. **Copy seen:** DLC.

3469. CRANZ, DAVID, 1723-1777. Historie van Groenland behelzende eene nauwkeurige beschrijvinge van's landsligging, gestaltheid, en natuurlijke zeldzaamheden; den aart, zeden en gewoonten der inwooneren aan de westzijde bij de Straate Davis; s'lands aloude en nieuwe geschiedenisse; en in't bijzonder de verrichtingen der missionarissen van de broeder-kerk, door welken twee gemeeten van bekeerde heidenen aldaar gesticht zijn. Alles in eigen perzoon onderzocht en opgesteld door David Cranz. Haarlem, C. H. Bohn; Amsterdam, H. de Wit, 1767. 3 v.: xxxiv, 356; 282; 382, [2] p.; 14 fold. plates (incl. maps) **Title tr.:** History of Greenland containing an accurate description of its situation, geographic position and peculiarities of nature; the nature, manners and customs of the inhabitants on the west coast on Davis Strait; the country's old and new history and, in particular, the missionary activities of the brethren's church through which two congregations of converted heathen have been established there. All this per-

sonally investigated and set down in writing, by David Cranz. Dutch translation of *Historie von Grönland*, 1765.

Contents described under the English translation.

Copy seen: CST; RPJCB.

3470. CRANZ, DAVID, 1723-1777. Historie von Grönland, enthaltend die Beschreibung des Landes und der Einwohner, &c., insbesondere die Geschichte der dortigen Mission der Evangelischen Brüder zu Neu-Herrnhut und Lichtenfels. Barby, H. D. Ebers; [etc., etc.] 1765. 2 v.; 19 p. l., 5-1132, [26] p. fold. plates, 2 fold. maps.

Translated into English as *The history of Greenland: containing a description of the country and its inhabitants*, 1767, q.v. Also published in German, 1779, with earlier text abridged, and added material covering the period 1763-1769.

Copy seen: DLC (1765, 1779).

3471. CRANZ, DAVID, 1723-1777. The history of Greenland: containing a description of the country, and its inhabitants: and particularly, a relation of the mission, carried on for above these thirty years by the Unitas Fratrum, at New Herrnhuth and Lichtenfels, in that country. By David Crantz; tr. from the High-Dutch . . . London, Printed for the Brethren's Society for the Furtherance of the Gospel among the Heathen, and sold by J. Dodsley [etc.] 1767, 2 v.: 405; 498 p. fold. plates, fold. maps. Edited and in part translated by John Gambold.

Contains a description of the geography, ice and weather conditions, minerals, sea and land vegetation, mammals, birds and fishes; the Eskimos, their customs, habits, religious beliefs, etc.; health conditions and mentality; language; the Norse colonies; Christianity in Greenland; the origin of the Eskimos; past history; the trade; difficulties of the mission in its early days; establishment of the first Herrnhut or Moravian mission in Greenland, 1733; smallpox epidemic; lack of supplies; famine; gradual success; the first 30 years of missionary work by the German Moravians at New Herrnhut and Lichtenfels. Includes as appendices (v. 2, p. 446-74), letters by Greenlanders, and the autobiography of the missionary Frederic Boenish (died 1763); also index (v. 2, p. 475-97).

Copy seen: DLC.

3472. CRANZ, DAVID, 1723-1777. The history of Greenland: including an account of the mission carried on by the United Brethren in that country, from the German of David Crantz. With a continuation to the present time . . . and an appendix, containing a sketch of the mission of the Brethren in Labrador . . . London, Printed for Longman, Hurst, Rees, Orme, and Brown, 1820. 2 v.: xi, 359; vi, 323 p.; fronts., plates, 2 maps (1 fold.)

Abridged and revised edition of the English translation of 1767, with added material.
Copy seen: DLC.

CRAWFORD, ALLAN R., *see* Snyder, L. L. Birds of Wrangell I. 1926.

CRAWSHAY, L. R., *see* Scotia (Ship) 1913. Ice observations, meteorology & oceanography. 1914.

3473. CREDNER, WILHELM, 1892-1948. Spitzbergen. (Geographische Zeitschrift, 1922. v. 28, p. 5-17)

A general description of the archipelago (exclusive of Bear Island) including physiography, glaciology, geology, climate, flora and fauna, history, coal mining, and sovereignty.

Copy seen: DLC.

3474. CRÉPIN, FRANÇOIS, 1830-1903. Quelques considerations sur la distribution géographique des *Rosa* en Scandinavie. (Botaniska notiser, 1894, p. 63-74) *Title tr.:* Some notes on the geographic distribution of *Rosa* in Scandinavia.

Contains data on Scandinavian distribution of eleven species and a few forms of the genus *Rosa* with critical notes, localities, northern and southern limits; includes some native to Swedish Lapland and northern Norway.

Copy seen: MH-A.

3475. CRESSEY, GEORGE BABCOCK, 1896- . Frozen ground in Siberia. (Journal of geology, July-Aug. 1939. v. 47, 472-88, incl. 3 diagr. maps)

Contains notes on distribution (with map), research history, types and depths, Pleistocene glaciation, present climatic conditions, and causes of frozen ground, with a section on Igarka.

Copy seen: DLC.

3476. CRESSEY, GEORGE BABCOCK, 1896- . Pioneering in Yeneseiland. A transect across Siberia from Mongolia

to the Arctic. (Denison University. Scientific Laboratories. Journal, 1939. v. 34, p. 103-169, illus. (incl. maps))

"Based on field work in 1923 (on the Selenga River), and in 1937 under the auspices of the 17th International Geological Congress (south of Krasnoyarsk) and the Northern Sea Route Administration (north of Krasnoyarsk)." A geographic sketch of the Yenisey River region and its settlements, transportation, peoples, physical characteristics, climate, agriculture, and development; with a diagrammatic, sectional presentation of information at the end, and with a bibliography (15 items).
Copy seen: DGS; DLC.

3477. CRESSWELL, SAMUEL GURNEY. A series of eight sketches in colour (together with a chart of the route) by Lieut. S. Gurney Cresswell, of the voyage of H. M. S. Investigator (Captain McClure), during the discovery of the North-West Passage. London, Day and Son [etc.] 1854. 1 p. l., 4 p. 8 col. plates, map. 61x45 cm.

Eight colored lithographs, with explanatory text, showing the *Investigator* in ice, coastal features of "Baring Island" (Cape Baring, Victoria Island), Banks Island, sledge party, etc. Chart indicates pack ice along route, also the state of knowledge of Canadian Arctic Islands at the time of the expedition, 1850-54, of McClure, q.v.

Copy seen: DLC.

3478. CRISSEY, WALTER F., and others. Waterfowl populations and breeding conditions—summer 1949, with notes on woodcock and Wilson snipe. Washington, 1949. 3 p. l., 242 p. sketch maps, diagrs. (U. S. Fish and Wildlife Service. Special scientific report: Wildlife no. 2)

Issued jointly with Canadian Dominion Wildlife Service. The third in a planned series of reports on breeding ground investigations of Alaska, Canada and northern United States.

Contents include: SMITH, R. H., and C. H. LAWRENCE. Waterfowl breeding ground survey in the far North, 1949.

NELSON, U. C., and others. Waterfowl breeding ground survey in Alaska, 1949.

EKLUND, C. R., and L. D. COOL. Waterfowl breeding ground survey in the Ungava Peninsula, Quebec, 1949.

HANSON, H. C., and others. 1949 Perry River Expedition. Each of these papers appears in this Bibliography under the author's name.

Copy seen: CaMAI; DF.

3479. CRITCHELL-BULLOCK, JAMES CHARLES, 1898- . An expedition to sub-arctic Canada, 1924-1925. (Canadian field naturalist, 1930-31. v. 44, p. 53-59, 81-87, 111-17, 140-45, 156-62, 187-96, 207-213; v. 45, p. 11-18, 31-35).

An expedition made by the author and John Hornby across the Barren Grounds from Great Slave Lake to Artillery Lake, Casba and Thelon Rivers, thence to Baker Lake and Chesterfield Inlet. *Contents:* Itinerary. Travelling conditions in the northern treeless plains in winter, and the navigability of Thelon River. Physiological conditions. Weather. Trapping. Musk-ox. Barren Ground caribou. Barren Ground wolf, Hudson Bay wolverine, red fox, white fox, Keewatin arctic hare, Parry ground squirrel, Richardson collared lemming, Back lemming, Drummond meadow mouse, arctic white-footed mouse, shrew. Birds. Game conservation. Fish. List of Lepidoptera. List of insects. List of plants collected between Sifton Lake and Aberdeen Lake.

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3480. CRITCHELL-BULLOCK, JAMES CHARLES, 1898- . Field work in the lower arctic zone. Canadian field naturalist, Nov. 1925. v. 39, p. 181-83)

Remarks on the difficulties of survival in the Barren Grounds, and a plea for its investigation and for wildlife conservation.

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CRITCHELL-BULLOCK, JAMES CHARLES, 1898- , see also Christian, E. V. Unflinching, a diary of tragic adventure. 1937.

3481. CRITCHFIELD, HOWARD J. Seward Peninsula, threshold of the hemisphere. (Economic geography, Oct. 1949. v. 25, p. 275-84; illus., sketch map)

Sketch of physiography, climate vegetation, population and settlement, Nome, villages, the reindeer industry, furs and crafts, and mining.

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3482. CROAL, JAMES P. Water crossings on Exercise Musk Ox — spring

1946. (Engineering journal (Montreal), Oct. 1947. v. 30, p. 475-77, illus.)

Detailed account of the advance party of this Canadian Army winter exercise in Northwest Territories, which solved the transportation problem during spring breakup of the rivers. Includes information on corduroy road over rotting river ice, methods of building rafts for heavy vehicles, and technique in ferrying them.

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CROALL, ALEXANDER, see Brown, R. & others. Florula Discoana. 1868.

CROCKER, GULIELMA R., see Ritter, W. E., & G. R. Crocker. Multiplication of rays & symmetry star-fish. 1900.

3483. CROFT, ANDREW. Polar exploration. London, A. & C. Black, 1939. x p., 1 l., 268 p. 8 maps, 7 plates, diagr. (Epics of the xxth century)

An account of the exploratory (rather than scientific) work of the more prominent expeditions of this century, with emphasis on the progress of the leaders, their techniques and contributions towards the general trend of polar exploration. *Contents* include: Pt. 1. The arctic regions, p. 1-144: historical introduction and chapters on expeditions to the North Pole by Peary; to North Greenland by Mylius-Erichsen, Mikkelsen and Rasmussen; Canadian Arctic Expedition 1913-18 under Stefansson; British expeditions under Wordie, Watkins, Lindsay, Binney, Glen; arctic flights of Andrée, Nagurski, Amundsen, Ellsworth, Wilkins, Nobile, Eckener, Schmidt, Papanin, Chkalov, Gromov and Levanevskii.

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3484. CROFT, ANDREW. Polar exploration. 2d ed. London, A. & C. Black, 1947. x, 268 p. 16 plates, 8 maps. Also published by the MacMillan Co., N. Y. 1947.

Second edition with a new preface "certain additions and alterations in the text" and additional illustrations; also "brief reference . . . to Sub-Inspector Larsen's recent voyages through the North-West Passage and to the Canadian Exercise "Musk Ox", which [the author] accompanied as the British observer".

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3485. CROFT, ANDREW. West Greenland sledge dogs. (Polar record, Jan. 1937. No. 13, p. 68-81)

Based on the author's experience buying and handling the dogs for a number of British expeditions. Introductory remarks, describing Cape York and Jakobshavn dogs, and discussion of purchasing, team formations, dog-driving, the behavior, treatment and feeding of dogs, dog equipment (harness, dog-boots, whips) and sledges; concluding with a brief note on the British Trans-Greenland Expedition, 1934.

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3486. CROFT, ANDREW, and BRIAN B. ROBERTS. Notes on the selection and care of polar footwear. (Polar record, Jan. 1940. No. 19, p. 235-67, 309-26, illus.) The authors' interpretation and analysis of replies (representing varying viewpoints) to a request for information on footwear from polar workers.

Contains (pt. 1) descriptions and discussion, with some instructions for the making of sea, climbing, ski, and other boots, moccasins, mukluks, native footwear, puttees and leggings, and duffles; (pt. 2) a continuation, on boots and crampons, skis and snowshoes.

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CROFT, ANDREW, *see also* Glen, A. R., & N. A. C. Croft. Under pole star; Oxford Arctic Exped. 1935-36. 1937.

CROFT, ANDREW, *see also* Lindsay, M. Sledge. 1935.

CROFT, ANDREW, *see also* Lindsay, M., & others. British Trans-Greenland Exped. 1935.

CROFT, NOEL ANDREW COTTON, *see* CROFT, ANDREW.

3487. CROMMELIN, ROBERT DANIEL. A sedimentary petrological investigation of a number of sand samples from the south coast of Greenland between Ivigtut and Frederiksdal. København, C. A. Reitzel, 1937. 32 p. illus., fold. map. (Meddelelser om Grønland. Bd. 113, nr. 1)

Based on samples sent to the Geological Laboratory, Agricultural University, Wageningen, Holland, by Dr. C. E. Wegmann, working under Lauge Koch, summer 1936, during the Geological East Greenland Expedition. Results of a macroscopic and microscopical examination of a group of sands consisting of local material, and a group in

which moraine material plays an important part. Minerals found include among others, eudialite, astrophyllite, aenigmatite, and one new mineral piemontite. The newer abyssal rocks appear to be of the potassiumsuit of the alkali series. No indications were found of more than the three known nepheline syenite masses. The sands examined come from local moraines and no single indication for a regional moraine, with a more or less constant composition, was found. It appeared that hypersthene has a more regular distribution in the area than would be expected. Bibliography (19 items).

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3488. CRONE, CHRISTIAN, 1851-1930. Flux et reflux de la mer à Godthaab calculés d'après une série d'observations horaires (16 juillet-31 août 1883). [Copenhagen, 1886] p. 1, 19 p. incl. tables. (International Polar Year. 1st, 1882-1883. Expédition danoise. Observations faites à Godthaab. T. 2, livr. I, 2) *Title tr.:* Tides at Godthaab calculated from a series of hourly observations (July 16-Aug. 31, 1883).

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3489. CRONE, CHRISTIAN, 1851-1930. Flux et reflux de la mer à l'île de Danemark, Scoresby Sound (Lat. N. 70°26'46", Long. W. de Greenwich 26°11'46"). Copenhagen, G.-E. C. Gad, 1895. 4 p. (Denmark. Meteorologiske institut. Observations, magnétiques et hydrométriques, 1891-92. Pt. 5) *Title tr.:* Tides at Denmark Island, Scoresby Sound (70°26'46"N. 26°11'46"W.).

Results of the Danish Expedition, 1891-92. Harmonic analysis of tides at this island based on hourly observations, Sept. 18-Oct. 21, 1891, and Jan. 1-Feb. 22, 1892. *Copy seen:* DLC.

CRONE, CHRISTIAN, 1851-1930, *see also* Garde, V., & others. Magnetiske observationer, 1883-85. 1889.

CRONE, HANS CHRISTIAN RASMUS, *see* CRONE, CHRISTIAN, 1851-

CRONK, L. BRUCE, *see* Brown, M., & others. Intestinal parasites of Eskimos. 1948.

CRONK, L. BRUCE, *see* Brown, M., & others. Note on trichinosis animals Canadian NWT. 1949.

CRONK, L. BRUCE, *see* Brown, M., & others. Trichinosis on Southampton I., NWT. 1949.

3490. CROSBY, CYRUS RICHARD, 1879-1937, and others. Spiders and insects (in part) of Southampton Island. 1 p. l., 37 p. (*In*: Sutton, G. M., and others. The exploration of Southampton Island, Hudson Bay. Pt. 2, sec. 4. *Pub.* as Pittsburgh. Carnegie Institute. Museum. Memoirs, 1934. v. 12, pt. 2, sec. 4)

Contents: 1. Crosby, C. R. Arachnida. (35 species). 2. Alexander, C. P. Dip-tera. (List, with synonyms, and note of eight including with descriptions, two new (*Tipula*) species; lists, with North American arctic distribution, of *Tipulinae* and *Limoninae*; and note on the one *Culicidae*, by Alan Stone). 3. Malloch, J. R. Chironomidae, Sciaridae, Phoridae, Syrphidae, Piophilidae, Helomyzidae, Calliphoridae, Oestridae, and Tachinidae. (Systematic list, with synonyms, keys, and notes, of forty-three, including with descriptions, five new species.) 4. McIlroy, W. D. Hymenoptera. (List of six species of *Bremidae* and representatives of four other families, without specific determinations). 5. Peters, H. S. Mallophaga from birds. (List, with hosts, of twenty-four species).

The index of this paper is included with the rest of part 2 at end of sec. 5.

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3491. CROSBY, THOMAS, 1840-1914. Up and down the north Pacific coast by canoe and mission ship. Toronto, The Missionary Society of the Methodist Church, the Young People's Forward Movement Department [1914] xiv, 403 p. front., 29 plates (incl. port.)

The author's missionary work, beginning 1874, was done chiefly among the British Columbia coastal tribes, but this account includes two chapters (p. 151-80) on the mission work in Wrangell among the Tlingit Indians.

Copy seen: DLC; NNS Stef.

3492. CROSBY, WILLIAM OTIS, 1850-1925. Certain aspects of glacial erosion. (Geological Society of America. Bulletin, Dec. 1928. v. 39, p. 1171-81)

Discussion based on observations by the author during five summers and two winters in the Alexander Archipelago, Prince William Sound, and elsewhere on the Alaskan coast between

Ketchikan and Nome. Includes notes on the forms and relations, the size and gradients of Alaskan glaciers.

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CROSS, HANSELL F., 1913- , *see* McDuffie, W. C. & others. Effectiveness DDT & other insecticides. 1949.

CROSS, HANSELL F., 1913- , *see* McDuffie, W. C., & others. Effectiveness pre-hatching treatments. 1949.

CROSS, HANSELL F., 1913- , *see* Twinn, C. R. & others. Prelim. account biting flies Churchill. 1948.

CROSS, JULIAN GIFFORD, 1888- , *see* Ontario. Dept. of Mines. Abitibi & Mattagami Rivers. 1920.

3493. CROSSE, HIPPOLYTE, 1826-1898. Catalogue des mollusques qui vivent dans le détroit de Behring et dans les parties voisines de l'Océan Arctique. (Journal de conchyliologie, avril 1877. Ser. 3, t. 17, p. 101-28) *Title tr.*: Catalog of molluscs of Bering Strait and neighboring parts of the Arctic Ocean.

List, with synonyms, records of occurrence, and southern limits of range of one hundred sixteen species of molluscs and two brachiopods, from Chukchi Sea to Okhotsk Sea, the Aleutian waters and Gulf of Alaska.

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CROSSE, JOSEPH CHARLES HIPPOLYTE, *see* CROSSE, HIPPOLYTE, 1826-1898.

3494. CROUSE, NELLIS MAYNARD, 1884- . In quest of the western ocean. New York, W. Morrow & Co. [c1928] ix p., 2 l., 480 p. 12 maps (part. fold.)

History of exploration in North America, 15th-18th centuries, which includes the land and sea search for the Northwest Passage; with a bibliography, p. 453-56.

Copy seen: DLC; NNS Stef.

3495. CROUSE, NELLIS MAYNARD, 1884- . The search for the North Pole. New York, R. R. Smith, 1947. 376 p.

A history of the search 1853-1909, based on narratives of the explorations of E. K. Kane, I. I. Hayes, C. F. Hall, Sir George Nares, Adolphus W. Greely, Fridtjof Nansen, S. A. Andrée, the Duke of the Abruzzi, and Robert E. Peary.

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3496. CROUSE, NELLIS MAYNARD, 1884- . The search for the Northwest Passage. New York, Columbia University Press, 1934. 6 p. l., 3-533 p. 4 plates, fold. map.

A history of theories concerning the Northwest Passage, and of efforts to find and navigate it, 1497-1907; particularly (and based mainly on contemporary narratives) the voyages of Sir John Ross, Sir. Wm. Parry, Sir John Franklin and Capt. George Lyon, the overland journeys of Sir George Back, Sir George Simpson and Peter Dease; the Franklin relief expeditions, the McClure-Kellett voyages establishing the Passage, and Roald Amundsen's voyage in the *Gjøa* 1903-06.

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3497. CROWDEN, G. P. Thermal insulation in polar huts. (Polar record, July 1939. No. 18, p. 131-36, diagrs.)

Contains discussion of (1) body heat loss and comfort, (2) properties of materials used for thermal insulation, (3) practical use of metallic thermal insulation, (4) use of panelling of low thermal capacity, and (5) protection of individuals against excessive heat loss.

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3498. CROZIER, A. R. Refractory clay deposits on the Missinaibi River. (Ontario. Dept. of Mines. Annual report, 1933. v. 42, pt. 3, p. 88-101, illus.)

Contains report of work done in the summer of 1932; the equipment and method of prospecting; descriptions (in detail) of the deposit locations, with mention of Opazatika, Soveska, Little Soveska, and Wabiskagami Rivers, tributaries to the Missinaibi, northern Ontario.

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CROZIER, A. R., *see also* Dyer, W. S., & A. R. Crozier. Lignite & refractory clay of Onakawana field. 1933.

CROZIER, A. R., *see also* Dyer, W. S., & A. R. Crozier. Refractory clays of N. Ontario. 1933.

3499. CRUTTENDEN, JOHN R. Lesser scaup duck nesting at Churchill, Manitoba. (Auk, Apr. 1942. v. 59, p. 304)

A first breeding record for this species in this locality, June 21, 1941.

Copy seen: DSI-M.

3500. CRUYT, WILLIAM, and WILLIAM VAN BRABANT. *Projet de*

tracteur auto-polaire. (International Polar Commission. Proceedings. Session of 1908. p. cxlvii-clx, illus., plate, diagrs.) *Title tr.:* Plans of a ski-tractor for polar transportation.

Copy seen: DLC.

3501. CULIN, STEWART, 1858-1929. Games of the North American Indians. (U. S. Bureau of American Ethnology. Twenty-fourth annual report . . . 1902-1903, pub. 1907. p. 1-846. 1112 illus., 21 plates)

Contents include: Algonkian, Athapaskan, Eskimaun and Kaluschan (Tlingit) tribal groups; their games of chance, dexterity and minor amusements; with references to sources in the literature, museum collections, etc.

Copy seen: DLC.

3502. CULL, RICHARD. A description of three Esquimaux from Kinnooksook, Hogarth Sound, Cumberland Strait. (Ethnological Society of London. Journal, 1856. v. 4, p. 215-25)

Describes three Eskimos brought to England in 1853 by William Gedney, surgeon of a Hull trader, from Kinnooksook, Cumberland Sound, Baffin Island. Includes details of physical and psychological characteristics, attitude towards acquisition of European culture traits, and system of numbers.

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3503. CUMMINGS, CLARA E. The lichens of Alaska. (*In:* Cardot, J., and others. Cryptogamic botany. Harriman Alaska series, 1904. v. 5, p. 65-149, 2 plates)

List, with synonymy, localities, and a taxonomic key, of two hundred sixteen (including, with descriptions, two new) species, based on the collections of the Harriman Expedition and many others, with a bibliography.

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3504. CUMMINS, HAROLD, 1893- . Dermatoglyphics in Eskimos from Point Barrow. (American journal of physical anthropology, 1935. v. 20, p. 13-17)

Record and discussion of fingerprints, etc., of fifty-five individuals taken at Pt. Barrow by James A. Ford, 1932.

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CUMMINS, HAROLD, 1893- , *see also* Midlo, C., & H. Cummins. Dermatoglyphics in Eskimo. 1931.

3505. CUMMINS, TOM. Permafrost; construction problems on permanently frozen soils. (Purdue engineer, Nov. 1949. v. 45, no. 2, p. 10-11, 18, 20, illus.) "The material contained in this article was taken from a report on permafrost written by Professor Robert E. Frost". —Editor's note.

General notes on the ground characteristics of permafrost, and on the efforts of Purdue University Engineering Experiment Station to develop a method of interpreting engineering soils and permafrost conditions from aerial photographs.

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CUNNINGHAM, A. R., *see* Low, A. P. Report on explorations in James' Bay. 1888.

CUNNINGTON, WILLIAM H., *see* Sargent, E., & W. H. Cunningham. Wonders of Arctic world. 1873.

3506. CURLEIGH, G. M. The new north road. (Royal Canadian Mounted Police Quarterly, Jan. 1940. v. 7, p. 257-59)

Note on a road opened from the town of Peace River to Yellowknife on the north shore of Great Slave Lake, in 1939.

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3507. CURRIE, BALFOUR WATSON, 1903-. Ice crystals and halo phenomena. (U. S. Weather Bureau. Monthly weather review, Feb. 1935. v. 63, p. 57-58, plate)

Includes phenomena observed at Canadian International Polar Year station near Chesterfield Inlet, 1932-33.

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3508. CURRIE, BALFOUR WATSON, 1903-. The vegetative and frost-free seasons of the prairie provinces and the Northwest Territories. (Canadian journal of research. Feb. 1948. v. 26, sec. C, p. 1-14, 4 sketch maps, table, diags.)

Contains "a comparison of the changes in the lengths of the [two seasons] based on a mean daily temperature of 42°F. for growth and a minimum temperature of 32°F. for frost damage"; and of the average daily temperatures at representative places; an indication of variability in beginning and ending of the frost-free season; and a bibliography (8 items).

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3509. CURRIE, BALFOUR WATSON, 1903-. Water content of snow in cold climates. (American Meteorological Society. Bulletin, Mar. 1947. v. 28, p. 150-51)

Note on average specific gravity of newly-fallen snow found at Saskatoon, Canada, to be about 0.081 rather than 0.1, as generally assumed for most regions.

Copy seen: DLC.

CURRIE, BALFOUR WATSON, 1903-, *see also* Canada. Meteorological Service. Canadian polar year expeditions. 1932-1933. 1939-40.

3510. CURRIE, ROLLA P. The Odonata. Papers from the Harriman Alaska Expedition. XXII. Entomological results (14). (Washington Academy of Sciences. Proceedings, July 1901. v. 3, p. 217-23) Reprinted, 1904, in Ashmead, W. H., and others. Insects, part I. Harriman Alaska series. v. 8, p. 145-53.

List, with synonymy, localities and some descriptions, of twelve species of dragonflies from southern and southeastern Alaska.

Copy seen: DLC.

3511. CURTIN, WALTER RUSSELL. Yukon voyage; unofficial log of the steamer Yukoner. Caldwell, Id., The Caxton Printers, Ltd., 1938. 299 p. 58 plates, 2 maps (incl. front.) plan, facsimis.

The author's diary of the Pat Galvin Expedition to Dawson, 1897-1898. Account of the Yukoner's ten-month ascent of the Yukon from St. Michael to Dawson, following a winter frozen in at St. Michael; with descriptions of the Alaskan and Yukon region during the Gold Rush. Appendix: Yukon River steamboats.

Copy seen: DLC; NNSStef.

3512. CURTIS, HEBER D. Navigation near the Pole. (United States Naval Institute. Proceedings, Jan. 1939. v. 65, p. 9-19, diags.)

Detailed analysis of Peary's computations on his trip to the North Pole, 1909.

Copy seen: DLC; NNSStef.

3513. CURTIS, JOHN. Insects. (In: Ross, Sir John. Narrative of a second voyage, 1835. v. 2, Appendix, pt. 2, p. lix-lxxx, col. plate)

List, with description and notes, of thirty-five species, eight new, brought from the expedition by James C. Ross.

Copy seen: DLC.

CURTIS, JOHN A., *see* International Polar Year. 1st, 1882-1883. British Expedition to Fort Rae Observations of Polar Expeditions. 1886.

3514. CURTIS, MARION. Stricken village. (Public health nursing. Dec. 1948. v. 40, p. 578-82, illus.)

Account of the care of natives of Old Harbor, Kodiak Island, Alaska, by a U. S. Navy doctor and Alaska Health Dept. nurse, during an outbreak of pneumonia, tuberculosis, meningitis and influenza in 1947.

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3515. CUSHING, HENRY PLATT, 1860-1921. Notes on the areal geology of Glacier Bay, Alaska. (New York Academy of Sciences. Transactions, Oct. 1895. v. 15, p. 24-34, fold. map)

Contains a description of the general geology and petrographical notes, with a comparison to other Alaskan sections, based on explorations of 1890 by the author, and on rocks collected by H. F. Reid's explorations, 1892.

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3516. CUSHING, HENRY PLATT, 1860-1921. Notes on the Muir Glacier region, Alaska, and its geology. (American geologist, Oct. 1891. v. 8, p. 207-30, plate, fold. map)

Based on observations made during the Expedition to Muir Glacier, 1890. Descriptions of the glacier's tributaries, recent recession, glacial deposits, and buried forest, of the disintegration of rocks around it, surface features produced by it, and its erosive power.

Copy seen: DGS.

CUSHING, HENRY PLATT, 1860-1921, *see also* Russell, I. C. Origin of gravel deposits beneath Muir Glacier. 1892.

3517. CUSHMAN, JOSEPH AUGUSTINE, 1881- . Arctic foraminifera. Sharon, Mass., 1948. 79 p. 8 plates (Cushman Laboratory for Foraminiferal Research. Special publication no. 23)

Taxonomic list (with data on known arctic distribution, descriptions and synonymy) of one hundred eighty-two species, based on collections made by R. A. Bartlett, 1925-32, in the Greenland and Canadian Arctic Seas, and Hudson Bay, also on earlier records of forms from the arctic regions.

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3518. CUSHMAN, JOSEPH AUGUSTINE, 1881- . Foraminifera. Ottawa, King's Printer, 1920. 13 p. incl. plate. (Canadian Arctic Expedition, 1913-1918. Report. v. 9: Annelids, parasitic worms, protozoans, etc., Pt. M.)

List, with locations and notes on synonymy and distribution, of twenty-six species from the waters between Bering Sea and Bernard Harbour, N.W.T.

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3519. CUSHMAN, JOSEPH AUGUSTINE, 1881- . Fresh-water Crustacea from Labrador and Newfoundland. (U. S. National Museum. Proceedings, 1908. v. 33, p. 705-13, 5 plates)

Taxonomic list of nine (including one new, fully described) species, with notes on the specimens collected (1906) and their localities, mainly St. Mary's River, and fresh-water pools in the vicinity of Battle Harbour, Labrador.

Copy seen: DLC.

3520. CUSHMAN, JOSEPH AUGUSTINE, 1881- . New arctic Foraminifera collected by Capt. R. A. Bartlett from Fox Basin and off the northeast coast of Greenland. Washington, Smithsonian Institution, 1933. 1 p. l., 8 p. 2 plates. (Smithsonian miscellaneous collections. v. 89, no. 9)

Descriptions of ten new species from bottom samples obtained 1925-32, "published in advance of a larger paper (containing forty-six genera and nearly one hundred species of foraminifera) which will carry full station data for these species."

Copy seen: DLC.

3521. CUSHMAN, JOSEPH AUGUSTINE, 1881- . Results of the Hudson Bay Expedition, 1920. I. The Foraminifera. (Canada. Biological Board. Contributions to Canadian biology, 1921, pub. 1922. p. 133-47)

Based on specimens from bottom samples of Hudson and James Bays. Shows that the foraminifera there are more closely allied to regions eastward than westward of this longitude, furthermore that definite species are developed in arctic regions. Includes a station list with species found at each, and a classified, annotated list with synonyms, references and localities, of thirty-two species.

Copy seen: DLC; DSI-M.

3522. CUSHMAN, JOSEPH AUGUSTINE, 1881- . Some fossil Foraminifera.

fera from Alaska. (Cushman Laboratory for Foraminiferal Research. Contributions, 1941. v. 17, no. 227, p. 33-38, 2 plates)

"Specimens from a submarine beach about a mile north 60° west of Nome," in a list, with notes, of eighteen (including, with description, one new) species.

Copy seen: DLC.

CUTLER, DONALD WARD, *see* Russell, R. S., & others. Physiological & ecological studies. 1940.

3523. CUTTING, PERCY JAMES, 1902-, and **KATHRYN ECKROTH**. Hell in God's country. (Alaska life, Aug. 1943. v. 6, no. 8, p. 3-14, illus.)

Account of the experiences of survivors of an airplane crash in Jan. 1943, in which Harold Gillam and one passenger lost their lives.

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3524. CYRIAX, RICHARD JULIUS. Captain Hall and the so-called survivors of the Franklin Expedition. (Polar record, July 1944. No. 28, p. 170-85)

Analysis of the two main categories of misleading stories which the Eskimos told Capt. C. F. Hall during his second expedition, 1864-69, and which caused him to think survivors of the Franklin Expedition were still alive; with bibliographic footnotes.

Copy seen: DLC.

3525. CYRIAX, RICHARD JULIUS. Sir James Clark Ross and the Franklin Expedition. (Polar record, July 1942. No. 24, p. 528-40)

A résumé of the Franklin search, through the year 1849, when the *Enterprise* and *Investigator*, under Capt. James Ross, returned from their unsuccessful voyage.

Copy seen: DLC.

3526. CYRIAX, RICHARD JULIUS, and **J. M. WORDIE**. Centenary of the sailing of Sir John Franklin with the *Erebus* and *Terror*. (Geographical journal, Nov.-Dec. 1945. v. 106, p. 169-97, 4 plates, sketch map, 2 fold. maps)

Contents: 1. Cyriax, R. J. Sir John Franklin's orders considered in the light of geographical knowledge when he sailed, 1845.

2. Wordie, J. M. The North West Passage since the last Franklin Expedition. (Chronological survey of expeditions, 1848/49-1944, with maps showing routes).

Copy seen: DLC.

3527. D., A. Pamiatī F. P. Riabushinskago. (Vsesoiūznoe geograficheskoe obshchestvo. Izvēstiā, 1910. T. 46, p. 369-70, port.) *Title tr.:* To the memory of F. P. Riabushinskii.

On the expedition to Kamchatka, its origin and organization, written on the occasion of the death of its financial backer.

Copy seen: DLC.

3528. D., B. Poslėdnia ēkspeditiī v Greenlandiū. (Zemlevedenie, 1913. T. 20, vyp. 4, p. 148-51, map) *Title tr.:* Recent expeditions into Greenland.

Notes on expeditions of 1912-13 crossing the icecap, by Rasmussen, De Quervain, and Koch.

Copy seen: DGS.

3529. D., V. Opyt vyrashchivaniā kartofeliā iz semān. (Sovetskii sever, 1935. T. 6, vyp. 2, p. 39-42) *Title tr.:* An experiment in potato raising from seeds.

Contains tabulation of meteorological and phenological data on raising potatoes from seeds in 1933 near the village of Balagannoe on the Okhotsk sea coast.

Copy seen: NN.

3530. DAA, LUDVIG KRISTENSEN, 1809-1877. Om Spitsbergens russiske navn Grumant. (Svenska vetenskapssakademien. Öfversigt af förhandlingar, 1871, pub. 1872. p. 899-907) *Title tr.:* On Spitsbergen's Russian name Grumant.

Discussion of the derivation of "Grumant" and of the Russian claim to be the earliest colonizers of West Spitsbergen.

Copy seen: DLC.

3531. DACHNOWSKI-STOKES, ALFRED PAUL, 1875- Peat resources in Alaska. Washington, 1941. 84 p. illus. (incl. 6 sketch maps) tables, diagrs. (U. S. Department of Agriculture. Technical bulletin, no. 769) "Report of a study made at the request of the National Forest Administration, Forest Service," by Division of Soil Survey, Bureau of Plant Industry.

Contains in pt. 1, outline of the profile features, development, and varying condition of peat deposits in southeastern Alaska, south-central (Cordova, Prince William Sound, Kenai, and Anchorage) regions, and interior (Mt. McKinley and Fairbanks) regions.

Pt. 2, description of operations necessary in the manufacture of commercial humus-forming peat products for

soil improvement; bibliography (42 items).

Copy seen: DA.

DADAEV, V. A., *see* Sergeevskii, B. A., & others. Katalog astronomicheskikh punktov. 1937.

3532. DADSON, A. S. The Giant Yellowknife. (Western miner, Oct. 1949. v. 22, no. 10, p. 82-90, illus., diagr.)

Detailed account of the gold-bearing ore zones and their development on the property of Giant Yellowknife Gold Mines Limited, located just west of Yellowknife Bay, Great Slave Lake; with a bibliography (9 items).

Copy seen: DGS.

3533. DADSON, A. S., and J. D. BATEMAN. Giant Yellowknife mine. (*In:* Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 273-83, sketch map, diagrs.)

Contains description of the structure and mineralization of these claims on the west side of Yellowknife Bay.

Copy seen: DGS.

3534. DADYKIN, VSEVOLOD P. Indigirskaiâ ékspeditsiia. (Sovetskaiâ Arktika, 1937, no. 7, p. 45-49, illus.) *Title tr.:* The Indigirka Expedition.

Review of the explorations of the Indigirka basin and account of the Indigirka Expedition in 1935, to investigate possibilities of navigation on the river.

Copy seen: DLC.

3535. DADYKIN, VSEVOLOD P. Novoe o kornevykh sistemakh dikoi i kul'turnoi rastitel'nosti v raionakh vechnoi merzloty. (Akademiia nauk SSSR. Doklady, Novaiâ seriia, 1948. T. 59, no. 3, p. 577-80, illus.) *Title tr.:* Some new information on the root systems of wild and cultivated plants in permafrost regions.

Results of observations mainly in the Igarka region.

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3536. DADYKIN, VSEVOLOD P. O razvitiu zemledeliia v basseine Indigirki. (Sovetskaiâ Arktika, 1935, no. 3, p. 47-50, tables) *Title tr.:* On the development of agriculture in the Indigirka River basin.

Discussion of the climatic conditions from the viewpoint of possible plant cultivation. Tables show (1) mean monthly air temperature, May-Sept., summer heat and length of vegetation

period; (2) number of days with frost, May-Sept., (3) annual, seasonal and monthly precipitation; (4) depth of permafrost zone and soil temperature.

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3537. DADYKIN, VSEVOLOD P. Zemledelie na Krainem Severe. (Priroda, 1947, no. 5, p. 24-31) *Title tr.:* Agriculture in the far North.

Discussion of the achievements and possibilities of agricultural development in arctic and sub-arctic regions of the U.S.S.R., work in seed selection and harvest results of experimental planting in various localities.

Copy seen: DLC.

3538. DADYKIN, VSEVOLOD P. Zemledelie v basseine Indigirki. (Sovetskaiâ Arktika, 1937, no. 9, p. 23-32, illus.) *Title tr.:* Agriculture in Indigirka basin.

Experience with vegetable growing in the Moma and Indigirka River valleys under the auspices of the Indigirka Expedition in 1936.

Copy seen: DLC.

3539. DÄNISCH-SIBIRISCHE HANDELSGESELLSCHAFT. (Deutsche geographische Blätter. 1881. Bd. 4, p. 83-84)

Calls attention to the formation of a Danish trading company to carry on trade with Siberia by way of the new sea route. Discusses briefly the potential character of such trade.

Copy seen: DLC.

3540. D'AETH, N. H. Report on flying work. British Arctic Air Route Expedition. Appendix 1. (Geographical journal, June 1932. v. 79, p. 473-80)

Contains a summary of the photographic program along the coast during the two summers and the flights over the icecap, notes on flying conditions on the east coast of Greenland including landing and take-off, and remarks on the use of aircraft on arctic expeditions (types of airplanes).

Copy seen: DLC.

D'AETH, N. H., *see also* Watkins, H. G., & others. British Arctic Air Route Expedition (Geog. tidsskrift). 1932.

3541. DAETZ, GERALD M. It's an ill wind indeed. (Alaska life, Apr. 1946. v. 9, no. 4, p. 8-10, illus.)

General description of seasonal changes in the natural life of the Aleutian Islands. *Copy seen:* DLC.

3542. DAFFRY DE LA MONNOYE, LEON, b. 1823. Vers le pôle nord; en Norvège, Venise. Paris, Delagrave, 1890. 230, [2] p. plates. *Title tr.:* To the North Pole, Norway, Venice.

Includes (p. 7-111) brief general information on the various sections of the Arctic. *Copy seen:* NNStef.

3543. DAHL, EILIF, 1916- . Interesting finds of lichens in Norway. (Nytt magasin for naturvidenskapene, 1938. Bd. 78, p. 127-38)

Contains critical notes on twelve lichens from various localities in Norway, including *Physcia caesia* from Finnmark, Norway, and *P. Wainioi* native to Nordland and Moskenesøy, Lofoten Islands. Summary in Norwegian. *Copy seen:* MH-Z.

3544. DAHL, EILIF, 1916- , and others. Lichens from southeast Greenland collected chiefly by Dr. P. F. Scholander in 1932 during the Norwegian expedition in the S/S "Polaris". Oslo, J. Dybwad, 1937. 76 p. 2 maps (1 fold.) (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. nr. 70) *Other authors:* B. Lynge and P. F. Scholander.

Systematic list of one hundred seventy species of lichens, with field notes, locations, and a few descriptions (in Latin) and with a list of the two hundred six species known to occur south of Scoresby Sound on the east coast of Greenland. *Copy seen:* DLC.

3545. DAHL, EILIF, 1916- . On the vascular plants of eastern Svalbard chiefly based on material brought home from the "Heimland" expedition 1936. Oslo, J. Dybwad, 1937. 50 p. 1 l. 3 maps. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 75)

List, with discussion of distribution, of the plants collected from the south-east coast of West Spitsbergen, Barentsøya, Edgeøya, Kong Karls Land, Storøya, and Northeast Land, including two ferns, and seventy-eight species and varieties of flowering plants, many previously unrecorded from these regions. Bibliography (43 items). *Copy seen:* DLC.

3546. DAHL, EILIF, 1916- . Two new

plants from Greenland. (Nytt magasin for naturvidenskapene, 1941. Bd. 82, p. 101-103, illus.)

Contains Latin description of *Carex sardlogensis*, n. sp. from southeastern Greenland and *Habenaria hyperborea* x *straminea* hybr. nov. collected by the author in southwestern Greenland during a Danish-Norwegian expedition in 1937. *Copy seen:* MH-Z.

3547. DAHL, EILIF, 1916- , and EMIL HADAČ. Et bidrag til Spitsbergens flora. Oslo, J. Dybwad, 1946. 15 p. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelser, nr. 63) *Title tr.:* A contribution to the flora of Spitsbergen.

Contains a list of four ferns and about one hundred flowering plants, including *Arctogrostis latifolia* v. *hirta* n.v., collected by the authors during their trips to West Spitsbergen and Northeast Land (Dahl in 1936, Hadač in 1946) with data on local distribution. The rest of the collection was recorded in Dahl's *On the vascular plants of eastern Svalbard*, 1937, q.v.

Copy seen: DLC; NNA.

3548. DAHL, KAI R. The "Teddy" expedition, among the ice floes of Greenland. New York, London, D. Appleton & Co., 1925. xvii, 288 p. front., illus. (map) 30 plates, ports. Translation by Grace Isabel Colbron, of Dahl's: Paa isflage langs Østgrønland, motorskonnerten Teddy's forlis i ishavet og besaetningens frelse. København, Hage & Clausens, 1924 (213 p. incl. illus., maps). (Copy in CSt.)

A journalist's account of the third voyage of the *Teddy*, 1923, an East Greenland Co. supply vessel for the hunting and trapping stations at 74°-73°N. and southwards. Describes visits ashore, the drift of the vessel in the ice from 74°N., loss of the *Teddy* and the party's drift on an ice floe to the Angmagssalik region where East Greenlanders effected a rescue.

Copy seen: DLC; NNStef.

3549. DAHL, KNUT, 1871- . Contributions to the biology of the Spitsbergen char. Oslo, J. Dybwad, 1926. 12 p. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. nr. 7)

Notes on the age, growth, composition of stock, and habits of this salmon.

Copy seen: DGS.

3550. DAHL, KNUT, 1871- . A study on trout and young salmon. (Report on researches concerning the migrations of young salmon 1898-1902). (Nytt magasin for naturvidenskapene, 1904. Bd. 42, hefte 3-4, p. 221-338, illus. 3 plates, tables 1-7)

Contains a comprehensive investigation on migrations and growth of young trout (*Salmo trutta*) and young salmon (*Salmo salar*) based partly on material from Norland and Finnmark, Norway; with practical conclusion on protection of these fishes.

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DAHL, KNUT, 1871- , *see also* Hjort, J., & others. Oversigt Norsk fiskeri, 1900-1908. 1909.

3551. DAHL, MARIA JOHANNA, 1872- . Spinnen (Araneae). Bergen, John Grieg, 1933. 4 p. (*Maud Expedition, 1918-1925. Scientific results. v. 5, no. 16d*) *Title tr.*: Spiders.

Remarks, with notes on locality and occurrence, of two species of spiders, from Cape Chelyuskin.

Copy seen: DSI-M.

3552. DAHL, MARIA JOHANNA, 1872- . Spinnen (Araneae) von Nowaja Semlja. Oslo, 1928. 39 p. illus., tables. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 36) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania). *Title tr.*: Spiders (Araneae) from Novaya Zemlya.

Eleven species of spiders fully described with notes on their habitats (in abandoned lemming and fox holes) and discussion of earlier records.

Copy seen: DLC.

3553. DAHL, OVE CHRISTIAN, 1862-1940. Floraen i Fynnmark fylke. Oslo, A. W. Brøgger, 1934. vii, 430 p. 16 ports. plates 1-17. (Nytt magasin for naturvidenskapene, Bd. 69) *Title tr.*: Flora of Finnmark region.

Contents tr.: 1. Floristic investigations of Finnmark in the old and recent time, p. 1-95. 2. Principal elements of Finnmark flora, p. 96-131. 3. Vegetation on lime substrata, p. 132-49. 4. Sea-coast vegetation, p. 150-98. 5. Snow vegetation, p. 199-215. 6. Bird sea-cliff vegetation, p. 216-24. 7. Distribution of vascular plants in Finnmark, p. 225-416. Index of plants, p. 419-30.

Part 1 gives a brief historical survey

of botanical exploration of Finnmark, Norway, since the journey of Gunnerus in 1767, and biographical notes on sixteen explorers and botanical collectors, with data on their travels and collections, and the author's own investigations (1899-1920). Pt. 7 deals with localities and habitats of six hundred fifty vascular plants growing wild in Finnmark.

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3554. DAHL, OVE CHRISTIAN, 1862-1940. Martin Vahls reise til Finnmarken 1787-88. (Nytt magasin for naturvidenskapene, 1921. Bd. 59, p. 17-35) *Title tr.*: Journey of Martin Vahl to Finnmark 1787-88.

Contains historical notes and the itinerary of Martin Vahl in 1787-88, with a list of plants observed and notes on the most interesting ones.

Copy seen: MH-Z.

DAHL, OVE CHRISTIAN, 1862-1940, *see also* Ostenfeld, C. E. H., & O. C. Dahl. De nordiske former *Arenaria ciliata*. 1918.

DAHLGREN, EDWIN HAROLD, 1907- , *see* Rounsefell, G. A., & E. H. Dahlgren. Occurrence of mackerel in Alaska. 1934.

DAHLGREN, EDWIN HAROLD, 1907- , *see* Rounsefell, G. A., & E. H. Dahlgren. Races of herring, southeastern Alaska. 1940.

3555. DAHLGREN, ERIK VILHELM, 1848-1934. A. E. Nordenskiöld såsom forskare i historisk geografi och kartografi. (Ymer, 1902. Årg. 22, p. 249-76) *Title tr.*: A. E. Nordenskiöld as a scientist in the fields of historical geography and cartography.

Includes discussion of his publications on the history of Greenland and northern Siberia.

Copy seen: DLC.

3556. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Arktiska och alpina arter inom formgruppen *Taraxacum ceratophorum* (Led.) DC. Uppsala & Stockholm, Almqvist & Wiksell, 1906. 44 p. 18 plates. (Arkiv för botanik, 1905-06, pub. 1906. Bd. 5, no. 9) *Title tr.*: Arctic and alpine species of the form group *Taraxacum ceratophorum* (Led.) DC.

Contains Latin diagnoses of thirteen species (nine new) of herbaceous genus *Taraxacum* with synonymy, critical

notes and data on distribution in the arctic regions; based on the study of various collections. *Copy seen:* MH.

3557. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Hieracier från Torne Lappmark och närgränsande områden. (Svensk botanisk tidskrift, 1907. Bd. 1, häfte 3, p. 299-320) *Title tr.:* Hieracia from Torne Lappmark and adjoining regions.

Contains Latin diagnoses of sixteen new species of *Hieracium*, a genus of weedy herbs, native to Torne Lappmark and adjoining arctic regions of Norway and Finland.

Copy seen: MH-A.

3558. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Nordsvenska Taraxaca. Uppsala & Stockholm, Almqvist & Wiksell, 1912. 122 p. (Arkiv för botanik, 1912-1913, pub. 1912. Bd. 12, no. 2) *Title tr.:* North Swedish Taraxaca.

Contains critical revision of eighty-two species and forms (twenty-eight new) of herbaceous genus *Taraxacum*, including many native to the arctic regions of Sweden, Norway and Finland.

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3559. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Om skandinaviska Taraxacum-former. (Botaniska notiser, 1905. p. 145-72, plates 4-5) *Title tr.:* On Scandinavia forms of *Taraxacum*.

Contains a preliminary study of Scandinavian forms of the weedy herbaceous genus *Taraxacum*, with a key to twenty-seven (including seventeen new) species and forms, descriptions and critical notes; includes five forms from arctic regions of Scandinavia, Kola Peninsula and Greenland.

Copy seen: MH-A.

3560. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Studier öfver arktiska Taraxaca. Stockholm, P. A. Norstedt & Söner, 1905. 41 p. illus. (Arkiv för botanik. Bd. 4, no. 8) *Title tr.:* Studies of the arctic *Taraxacum*.

Contains Latin diagnoses of seven species (five new) of *Taraxacum*, a genus of herbs, with synonymy, critical notes and data on distribution in all arctic regions.

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3561. DAHLSTEDT, GUSTAV ADOLF HUGO, 1856-1934. Taraxaca from Kamchatka chiefly collected by Mr. E. Hultén in the years 1920-1922. Stock-

holm, Almqvist & Wiksell, 1925. 15 p. illus. (Arkiv för botanik, 1926, pub. 1925. Bd. 20 A, no. 1)

Contains Latin diagnoses of seven new species of herbaceous genus *Taraxacum*, collected by E. Hultén in the Kamchatka Peninsula in 1920-22, and two by P. T. Novograblenov, with data on local distribution.

Copy seen: MH.

3562. DAILEY, I. M. Report of the eruption of Katmai volcano. (American Geographical Society, N. Y. Bulletin, Sept. 1912. v. 44, p. 641-44, illus., sketch map)

The author, an assistant of the U. S. Coast and Geodetic Survey, was in Seldovia, Alaska at the time of Katmai's eruption, June 1912. He gives here a popular account of the appearance of the sky and accumulation of ash on Kodiak, during and following the eruption.

Copy seen: DLC.

3563. DAKE, HENRY CARL, 1896- Alaska jade deposits. (Mineralogist, Sept. 1945. v. 13, p. 328-29, illus.)

Account of the gem deposits in the Kobuk-Noatak region of northwest Alaska.

Copy seen: DGS.

3564. DAKIN, FLORENCE C., and E. R. THOMAS. On the ice-pack's rim. (Alaska sportsman, Nov. 1944. v. 10, no. 11, p. 16-17, 30-33, illus.)

Account of work in the Presbyterian hospital at Point Barrow since 1921, with notes on health and hygiene, and the life of the Eskimos.

Copy seen: DLC.

3565. DALAGER, LARS, 1722-1772. Grønlandske relationer indeholdende Grønlaendernes liv och levnet, deres skikke og vedtaegter samt temperament og superstitioner tillige nogle korte reflectioner over missionen sammenskrevet ved Friderichshaabs colonie i Grønland anno 1752 af Lars Dalager, Kjøbmand. Med indledning ved Louis Bobé. København, G. E. C. Gad, 1915. 94 p. (Grønlandske selskab. Skrifter 2) *Title tr.:* Accounts from Greenland containing the life and customs of the Greenlanders, their behavior and manners also temperament and superstitions together with some brief reflections on the missions, written at the Frederikshaab colony in Greenland in the year 1752 by Lars Dalager, merchant. With an introduction by Louis Bobé.

Contains author's views on missions, missionaries, trade, trade improvement, conditions at Frederikshaab colony, and on establishment of colonies at Sydbaj and Sa'k'ak. Describes customs, superstitions, etc., and his journey in 1751 from Tiningnertok Fiord (62°30'N.) to the icecap, and ascent of Omertlok.

Copy seen: NN; NNA; NNS Stef.

DALAGER, LARS, 1722-1772, see also Ostermann, H. B. S. Første efterretninger om østgrønlaendingerne 1752. 1935.

3566. DALE, BONNYCASTLE, 1860- Sailing Labrador seas. (Canadian geographical journal, May 1931. v. 2, p. 391-402, illus.)

A popular account of the author's cruise, as supercargo, from Nova Scotia along the Labrador coast as far as Hamilton Inlet, including remarks on the cod-fishermen and the Eskimos, the birds, seals and other wildlife.

Copy seen: DLC.

3567. DALE, JOHN. Round the world by doctors' orders. Being a narrative of a year's travel in Japan, Ceylon, Australia, China, New Zealand, Canada, the United States, etc. etc. London, E. Stock, 1894. 1 p. l, viii, 350 p. incl. illus., plates, front.

Contents include (p. 273-93) a chapter on Alaska, describing the scenery as far north as Glacier Bay.

Copy seen: DLC; NNS Stef.

DALGAARD, SUNE, see Sveistrup, P. P., & S. Dalgaard. Danske styre af Grønland, 1825-50. 1945.

3568. DALGETY, CHRISTOPHER THOMAS. Notes on birds observed in Greenland and Baffin Land, June-September 1934. (Ibis, July 1936. Ser. 13, v. 6, p. 580-91, 3 plates)

Results of the Wordie Expedition, 1934; annotated list of forty-two species.

Copy seen: DSI-M.

3569. DALGETY, CHRISTOPHER THOMAS, and others. Notes on birds observed in Spitsbergen during the spring of 1930. (Ibis, Apr. 1931. ser. 13, v. 1, p. 243-55, 8 plates) *Other authors:* J. H. McNeile and M. J. Ingram.

Results of a trip, June 14-July 26, on a sealing sloop, which went to West Spitsbergen, around Northeast Land and to Great, White, and Wyches Is-

lands. Annotated list of thirty-four species of birds, mostly from West Spitsbergen.

Copy seen: DSI-M.

3570. DALGETY, CHRISTOPHER THOMAS. Two expeditions to Spitsbergen, Northeast Land, and the neighboring islands. (Geographical journal, Feb. 1932. v. 79, p. 131-34, 2 plates)

Account of the author's journeys in June-July of 1930 and 1931, to study bird life, with notes on ice conditions in Svalbard waters and eastward to Great Island (Storøya, 80°N. 28'E.)

Copy seen: DLC.

DALGETY, CHRISTOPHER THOMAS, see also Watkins, H. G., & others. Cambridge Expedition to Edge Island. 1928.

3571. DALGLEISH, JOHN J. Discovery of the nest of *Larus rossii* in Greenland. (Auk, Apr. 1886. v. 3, p. 273-74)

Brief notice of a rarely recorded species, taken in Christianshaab District, its breeding habitat previously unknown.

Copy seen: DSI-M.

3572. DALGLEISH, WALTER SCOTT, 1834-1897. Arctic research before Franklin. (Scottish geographical magazine, May 1895. v. 11, p. 243-48)

Copy seen: DLC

3573. DALGLEISH, WALTER SCOTT, 1834-1897. Notes on Franklin's arctic expeditions. (Scottish geographical magazine, July 1895. v. 11, p. 329-35, 2 ports., fold. map)

Brief remarks on the two overland journeys in northern Canada, 1819-22, 1825-27, and of Franklin's fatal voyage in search of the Northwest Passage of 1845-47.

Copy seen: DLC.

3574. DALIN, A. D. Voprosy mekhanizatsii osvoiniia zemel' Severa i Krainego Severa. (In: Eikhfel'd, I. G., and N. Ia. Chmora. Sel'skokhoziaistvennoe osvoinie Krainego Severa, 1937. Pub. as Vsesoiuznaia akademiia s.-kh. nauk. Trudy. Vyp. 13, p. 225-42, illus., diagrs.) *Title tr.:* Questions concerning the mechanization of agriculture in the North and the far North.

Problems of mechanization of agriculture in northern regions and discussion of structural details of special agricultural machines (tractors, dredgers and excavators); information on experiments in Russia.

Copy seen: DLC.

3575. DALL, WILLIAM HEALEY, 1845-1927. Alaska and its resources. Boston, Lee & Shepard, 1870. xii, 627 [1] p. front., illus., 12 plates, fold. map.

The author headed the scientific corps of the Western Union Telegraph Co. Expedition, 1866-68, exploring and studying the Yukon River, the surrounding territory and inhabitants from Nulato to Bering Sea, especially Norton Sound. Pt. 1 of this book is a chronicle of Dall's numerous journeys by boat and dog sledge in this region, during that period. It includes a detailed account of the country, traveling conditions, food and hunting, sledges, the natives and their living conditions, customs and treatment by the Russians. Pt. 2 (based on observation and research) describes the geography, history, inhabitants, and resources of Alaska (including climate and agriculture, geology and mineral resources, fisheries and fur trade).

Appendices: A. Glossary. B. Population (Russian, creole and natives). C. Statistics of the fur trade, 1786-1862. D. Meteorology (temperature mean and extremes for limited periods in various localities). E. Latitude and longitude of important points. F. Vocabularies (Aleut, West Alaska Eskimo, Tlingit, Tinneh (Ingalik) East Siberian tribes). G. Natural history (lists of mammals, fishes, birds, insects, and useful plants, with Latin and common names). H. List of works (177 items).

Copy seen: DLC; NNStef.

3576. DALL, WILLIAM HEALEY, 1845-1927. Alaska as it was and is: 1865-1895. (Philosophical Society of Washington. Bulletin, 1895-99, pub. 1900. v. 13, p. 123-62)

The annual presidential address to the Society, Dec. 1895. Gives an account of (1) the work of the scientific corps of the Western Union Telegraph Co. Expedition to Alaska, 1865-68, under Robert Kennicott till his death in May 1866, then under the author who, with F. Ketchum and others, continued the exploration of the upper Yukon and the borders of Norton Sound, 1866-67; and (alone) investigated the Yukon delta, 1867-68. Describes also (2) the U. S. Coast Survey explorations, 1871-80 (under the author's direction) in the same region. Includes a bibliography of the resulting papers.

Copy seen: DLC.

3577. DALL, WILLIAM HEALEY, 1845-1927. Catalogue of shells from Bering Strait and the adjacent portions of the Arctic Ocean, with descriptions of three new species. (California Academy of Sciences. Proceedings, 1873-74, pub. 1875. v. 5, p. 246-53)

Catalog based on previous explorers', on the author's, and on whalers' collections, ranging from the North Alaskan coast to the Aleutians, and including the Siberian side of Bering Sea. Includes three tunicates, two brachiopods, and one hundred sixteen molluscs.

Copy seen: DLC.

3578. DALL, WILLIAM HEALEY, 1845-1927. The Chukches and their neighbours in the northeastern extremity of Siberia. (Royal Geographical Society. Proceedings, Sept. 1881. New ser. v. 3, p. 568-70)

Communication to the Society in reply to one (p. 365) from a member of the *Vega* Expedition, who disagreed with Dall on the distinction he made between Innuit and Chukchi tribes. Dall supports his views here with notes on the customs and language of the two peoples.

Copy seen: DLC.

3579. DALL, WILLIAM HEALEY, 1845-1927. A critical review of Bering's first expedition, 1725-30, together with a translation of his original report upon it . . . By William H. Dall. Lecture delivered by the "National Geographic Society" at Washington, February 7, 1890 . . . [Washington, D. C., 1890] 59 p. fold. map. Published in the National geographic magazine, v. 2, p. 111-69.

Contains notes on Bering's instruments and methods of scientific observation; the author's sources of information; a translation of Bering's report, his list of geographical positions, the itinerary of the expedition, annotated synopsis of the voyage compiled from all accessible data, and a comparative table of geographical positions; with a résumé of the results of the expedition. *Supplement:* Baker, Marcus. On the alleged observation of a lunar eclipse by Bering in 1728-9.

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3580. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of new forms of mollusks from Alaska contained in the collections of the National Museum. (U. S. National Museum. Proceedings, 1878, pub. 1879)

Five genera of chitons represented by specimens taken from waters off the Aleutian Islands. *Copy seen:* DLC.

3581. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of new species of Mollusca from the coast of Alaska, with notes on some rare forms. (California Academy of Sciences. Proceedings, 1873-74, *pub.* 1875. v. 5, p. 57-62)

Contains remarks on the Shumagin Islands as the farthest west extension of the Oregonian fauna, on the marine mollusks found between those islands and Unalaska Island; list, with descriptions of four new species and one variety, of marine mollusks and remarks on four others ascribed to Sitka, but belonging to the Aleutian fauna.

Copy seen: DLC.

3582. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of new species of Mollusca from the North Pacific Ocean in the collection of the United States National Museum. (U. S. National Museum. Proceedings, 1919, *pub.* 1920. v. 56, p. 293-371)

Descriptions of 222 new forms, including many from waters off the coasts and islands of Alaska and a few from the Arctic Ocean. *Copy seen:* DLC.

3583. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of new species of Mollusca from the northwest coast of America. (California Academy of Sciences. Proceedings, 1868-72, *pub.* 1873. v. 4, p. 302-303)

Includes two marine species from the Aleutian and Shumagin Islands.

Copy seen: DLC.

3584. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of new species of mollusks of the family Turritidae from the west coast of America and adjacent regions. (U. S. National Museum. Proceedings, 1919, *pub.* 1920. v. 56, p. 1-86, 24 plates)

Descriptions of some two hundred (including one hundred eighty-one new) species of gastropods, of which several have range in Aleutian waters, Bering Sea and Strait and Arctic Ocean, all represented by specimens in the U. S. National Museum.

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3585. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of sixty new forms of mollusks from the west coast

of North America and the North Pacific Ocean with notes on others already described. (American journal of conchology, 1872. v. 7, p. 93-160, plates 13-16)

Descriptions and notes on about a hundred species from various sources, but especially based on collections made by the author in Aleutian waters (off Sitka and Kodiak Islands), Plover Bay (Chukchi Peninsula) and off Kamchatka, while he was with the Western Union Telegraph Co. Expedition.

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3586. DALL, WILLIAM HEALEY, 1845-1927. Descriptions of three new species of Crustacea, parasitic on the Cetacea of the N.W. coast of America. (California Academy of Sciences. Proceedings, 1868-72, *pub.* 1873. v. 4, p. 281-83)

Includes one species of whale-louse from a whale of Bering Strait.

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3587. DALL, WILLIAM HEALEY, 1845-1927. Diagnoses of new species of marine bivalve mollusks from the northwest coast of America in the collection of the United States National Museum. (U. S. National Museum. Proceedings, 1916, *pub.* 1917. v. 52, p. 393-417)

Descriptions of about one hundred new species including several, of which specimens were taken from waters off Sitka, the Aleutian and Pribilof Islands, and other Alaskan localities.

Copy seen: DLC.

3588. DALL, WILLIAM HEALEY, 1845-1927. The discovery and exploration of Alaska. (*In:* his, and others: History, geography, resources, Harri-man Alaska series, 1902. v. 2, p. 185-204, illus., nine plates)

This paper covers the activities of various countries (Russia, Britain, the U. S., etc.,) during the 18th and 19th centuries, in the opening up of Alaska, with special mention of the Russian-American Co. *Copy seen:* DLC.

3589. DALL, WILLIAM HEALEY, 1845-1927. Explorations in Russian America. (American journal of science, Jan. 1868. Ser. 2, v. 45, p. 96-99, illus.)

A letter to the editor from St. Michael, Alaska, describing Dall's observations during a trip on the Yukon

River from Fort Yukon to the sea in 1867, during the Western Union Telegraph Co. Expedition to Alaska, 1865-68.
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3590. DALL, WILLIAM HEALEY, 1845-1927. Explorations in the Aleutian Islands and their vicinity. (American Geographical Society, Journal, 1874. v. 5, p. 243-45)

A letter to the General Secretary of the Society, dated San Francisco, Dec. 5th, 1873, from the author as leader of the Alaska Survey, being carried out by the U. S. Coast Survey. It gives a brief description of the kind of work done by Dall's party: hydrographic, geodetic, and topographical surveys of harbors and their vicinity.

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3591. DALL, WILLIAM HEALEY, 1845-1927. Geographical notes in Alaska. (American Geographical Society, N. Y. Journal (Bulletin), 1896. v. 28, p. 1-20, illus. (incl. 2 maps))

General descriptions of the coast, the Indians, and (in rather more detail) the harbors along the south coast of Alaska, seen and visited during the summer of 1895. *Copy seen:* DLC.

3592. DALL, WILLIAM HEALEY, 1845-1927. Harbors of Alaska and the tides and currents in their vicinity. (U. S. Coast and Geodetic Survey. Annual report, 1872, pub. 1875. Appendix no. 10, p. 177-212, tables)

Contains account of the work done in Sept. 1871-Oct. 1872 at Captains Bay, Unalaska Island and in the Shumagin Islands; notes on the North Pacific currents, the Alaska current, the tidal currents of Unalaska, and the circular current of Bering Sea; notes on the meteorology of Unalaska; tides of Iliuliuk Bay (in which is Dutch Harbor); notes on the Shumagin Islands (geology, harbors).

Tables: Meteorological abstract. Current observations (San Francisco to Unalaska; between Unalaska and the Shumagins). Tides of Iliuliuk Bay.

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DALL, WILLIAM HEALEY, 1845-1927, and others. History, geography, resources. 1902, see HARRIMAN ALASKA EXPEDITION, 1899. Harriman Alaska series, v. 2.

3593. DALL, WILLIAM HEALEY, 1845-1927. Land and fresh water mollusks. (*In:* Harriman Alaska Expedition, 1899. Harriman Alaska series, 1904. v. 13, p. 1-171, illus., 2 plates) Reissued without change, by the Smithsonian Institution, 1910.

"A synoptic manual of the boreal land and fresh water mollusks of the western hemisphere," which contains lists and remarks on the synonymy and distribution of hundreds of species from the following area: Asia (Siberia, Kamchatka, Chukotsk Peninsula, and the Commander Islands), Alaska (including Aleutian Islands, Mackenzie District), Hudson Bay (Keewatin District, northern Ontario and Quebec), Labrador (including Ungava Peninsula) and regions south to 49°N. lat. parallel.

Copy seen: DLC.

3594. DALL, WILLIAM HEALEY, 1845-1927. Mollusks, list of shells obtained by Mr. Ludwig Kumlien, naturalist to the Howgate Expedition 1877-78, at points in Cumberland Sound, Arctic Regions, West from Baffin's Bay. (*In:* Kumlien, L., and others. Contributions to the natural history of Arctic America. Pub. in U. S. National Museum. Bulletin, 1879. No. 15, p. 145-46)

List of twenty-four species.

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3595. DALL, WILLIAM HEALEY, 1845-1927. Mollusks, recent and Pleistocene. Ottawa, King's Printer, 1919. 29 p. 3 plates. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. A)

List of one hundred (mainly marine) species, including seven new species fully described, arranged by collecting stations in waters between Teller, Alaska and Bathurst Inlet; appended is a list of thirty Pleistocene fossil species from the coast of Yukon and Northwest Territories.

Copy seen: DSI-M.

3596. DALL, WILLIAM HEALEY, 1845-1927. Neozoic invertebrate fossils; a report on collections made by the expedition. (*In:* Emerson, B. K., and others. Geology and paleontology. Harriman Alaska series, 1904. v. 4, p. 97-122, 2 plates)

List, with descriptions, of one sponge and thirty-two (including ten new)

molluscan Tertiary fossil species from Chicagof Cove, Alaska Peninsula; list, with localities, of thirty-one (including, with descriptions, seven new) molluscan and one annelid Miocene fossil species from Shumagin Islands; and a list of nineteen fossil invertebrates from Pleistocene deposits on Douglas Island, Southeast Alaska.

Copy seen: DLC.

3597. DALL, WILLIAM HEALEY, 1845-1927. Neuere Forschungen auf den Aleuten. (Deutsche geographische Blätter, 1878. Jahrg. 2, p. 38-43, 84-101, fold. map) *Title tr.:* New research on the Aleutians.

Based on the author's observations as director of a hydrographic survey in the Aleutian Islands and Kodiak Island waters, 1871-74, by the U. S. Coast Survey. Notes (in brief) on early exploration, the survey of 1871-74, the physical geography, geology, flora, fauna, structure, volcanoes, and natives of the Islands, and on general relationships of the Bering Sea, its fur-bearing animals and fisheries.

Copy seen: DLC.

3598. DALL, WILLIAM HEALEY, 1845-1927. New or specially interesting shells of the Point Barrow expedition. (U. S. National Museum. Proceedings, 1884, *pub.* 1885. v. 7, p. 523-26)

List of fourteen species with notes on specimens, and descriptions of three new species.

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3599. DALL, WILLIAM HEALEY, 1845-1927. Notes on an original manuscript chart of Bering's Expedition of 1725-1730, and on an original manuscript chart of his second expedition; together with a summary of a journal of the first expedition, kept by Peter Chaplin, and now first rendered into English from Berk's Russian version. (U. S. Coast and Geodetic Survey. Annual report, 1890, *pub.* 1891. Appendix no. 19, p. 759-74, fold. map)

The summary of the journal describes the first expedition in the *Gabriel*, which sailed north from Kamchatka, thru Bering Strait, and return.

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3600. DALL, WILLIAM HEALEY, 1845-1927. Notes on *Chrysodomus* and other mollusks from the North Pacific Ocean. (U. S. National Museum. Proceedings, 1918, *pub.* 1919. v. 54, p. 207-234)

The notes include some discussion of the author's revision of the classification of the *Chrysodomoid* whelks, with references to forms found in Alaskan waters.

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3601. DALL, WILLIAM HEALEY, 1845-1927. Notes on pre-historic remains in the Aleutian Islands. (California Academy of Sciences. Proceedings, 1868-72, *pub.* 1873. v. 4, p. 283-87, 1 plate in back of volume)

Describes excavations and cave explorations by Dall on Amaknak Island, Captains Bay, Unalaska. Includes mention of Aleut artifacts, mortuary remains, and associated faunal remains.

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3602. DALL, WILLIAM HEALEY, 1845-1927. Notes on some Aleut mummies. (California Academy of Sciences. Proceedings, 1873-74, *pub.* 1875. v. 5, p. 399-400)

Contains a brief description from Capt. E. Hennig, Alaska Commercial Co., of twelve mummies and associated artifacts, well-preserved, collected by him in a dry cave on one of the Islands of the Four Mountains, Aleutian Islands. The mummies and artifacts dated from the historic period.

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3603. DALL, WILLIAM HEALEY, 1845-1927. Notes on some recent brachiopods. (Academy of Natural Sciences of Philadelphia. Proceedings, 1891. p. 172-75, plate)

Includes description of one species from southeastern Alaska.

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3604. DALL, WILLIAM HEALEY, 1845-1927. Notes on the avifauna of the Aleutian Islands, especially those west of Unalashka. (California Academy of Sciences. Proceedings, 1873-74, *pub.* 1875. v. 5, p. 270-81)

List, with notes on habits, eggs, distribution and localities, of forty-five species of birds, collected on the U. S. Coast Survey explorations, 1873.

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3605. DALL, WILLIAM HEALEY, 1845-1927. Notes on the avi-fauna of the Aleutian Islands, from Unalashka eastward. (California Academy of Sciences. Proceedings, 1873-74, *pub.* 1875. v. 5, p. 25-35)

List, with notes on their habits, eggs, distribution and locality, of fifty-four

species of birds, collected during the U. S. Coast Survey explorations, 1871-72.

Copy seen: DLC.

3606. DALL, WILLIAM HEALEY, 1845-1927. Notes on the species of the molluscan subgenus *Nucella* inhabiting the northwest coast of America and adjacent regions. (U. S. National Museum. Proceedings, 1916. v. 49, p. 557-72, 2 plates)

General notes based on a series of these shells in the U. S. National Museum, with detailed descriptions of species and forms represented by specimens taken from waters off the coasts of Alaska, Kamchatka and North Pacific islands.

Copy seen: DLC.

3607. DALL, WILLIAM HEALEY, 1845-1927. On climatic conditions at Nome, Alaska, during the Pliocene, and on a new species of *Peecten* from the Nome gold-bearing gravels. (American journal of science, June 1907. Ser. 4, v. 23, p. 457-58)

Remarks on evidences of warmer climate fauna, and description of one new clam.

Copy seen: DLC.

3608. DALL, WILLIAM HEALEY, 1845-1927. On further examinations of the Amaknak Cave, Captain's Bay, Unalashka. (California Academy of Sciences. Proceedings, 1873-74, pub. 1875. v. 5, p. 196-200, illus.)

Contains description of further archaeological excavations made by Dall in 1873, with detailed location map, floor plan, and cross section sketches of the cave. Large quantities of skeletal remains and artifacts, from two district levels, are mentioned.

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3609. DALL, WILLIAM HEALEY, 1845-1927. On new parasitic Crustacea, from the N.W. coast of America. (California Academy of Sciences. Proceedings, 1873-74, pub. 1875. v. 5, p. 254-55)

Descriptions of two species of whale-lice (parasitic amphipods) taken from a right-whale at Kodiak Island.

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3610. DALL, WILLIAM HEALEY, 1845-1927. On some Hydrocorallinae from Alaska and California. (Biological Society of Washington. Proceedings, 1882-84, pub. 1885. v. 2, p. 111-15)

Includes descriptions of three new species of living corals from the waters of the Aleutian Islands.

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3611. DALL, WILLIAM HEALEY, 1845-1927. On some Tertiary fossils from the Pribilof Islands. (Washington Academy of Sciences. Journal, 1919. v. 9, p. 1-3)

List of forty-seven (including three new) species of molluscan fossils from St. George and St. Paul Islands.

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3612. DALL, WILLIAM HEALEY, 1845-1927. On the parasites of the cetaceans of the N.W. coast of America, with descriptions of new forms. (California Academy of Sciences. Proceedings, 1868-72, pub. 1873. v. 4, p. 299-301)

Descriptions of four new barnacles from whales, ranging from Bering Strait to California.

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3613. DALL, WILLIAM HEALEY, 1845-1927. On the remains of later prehistoric man obtained from caves in the Catherina Archipelago, Alaska Territory, and especially from the caves of the Aleutian Islands. Washington, Smithsonian Institution, 1878. 2 p. l., 40 p. 10 plates. (Smithsonian contributions to knowledge. v. 22, art. 6) Smithsonian Institution publication 318.

Comparison of Eskimos and Aleuts, discussion of mortuary customs based on the author's experience in Alaska; with description of the contents of a burial cave discovered in the Aleutian Islands and presented to the U. S. National Museum, by the Alaska Commercial Co. of California.

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3614. DALL, WILLIAM HEALEY, 1845-1927. Pliocene and Pleistocene fossils from the arctic coast of Alaska and the auriferous beaches of Nome, Norton Sound, Alaska. (In: U. S. Geological Survey. Shorter contributions to general geology, 1919. Professional paper, 1920. No. 125, p. 23-34, 2 plates)

Contains description of the late Tertiary geology of the Colville River region and the Nome elevated beaches; discussion of geologic climate and migration of fauna; lists of fossils from various stations near Nome, Pt. Bar-

row, Colville River, and Camden Bay; descriptions of twenty-four new species (mostly molluscs, two brachiopods, one polyzoan).

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3615. DALL, WILLIAM HEALEY, 1845-1927. The Pteropoda [etc.] with description of a new species from the North Pacific. (Canadian Arctic Expedition, 1913-1918. Report, 1925. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. B, p. 9-12, illus.)

Includes two arctic species (one described) from stations between Bering Strait and Dolphin and Union Strait.

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3616. DALL, WILLIAM HEALEY, 1845-1927. Report of geographical and hydrographical explorations on the coast of Alaska. (U. S. Coast and Geodetic Survey. Annual report, 1873, pub. 1875. Appendix no. 11, p. 111-22, fold. map)

Contains account and tabular results of determinations of positions and magnetic declinations, and of the heights of mountains in the Aleutian Islands, with descriptions of the harbors on Attu, Bouldyr (Buldir), Kiska, Amchitka, Adak, Atka, Amlia, Agashagok (Bogoslof) and Unalaska Islands.

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3617. DALL, WILLIAM HEALEY, 1845-1927. Report on Bering Island Mollusca collected by Mr. Nicholas Grebnitzki. Contributions to the natural history of the Commander Islands, no. 6. (U. S. National Museum, Proceedings, 1886, pub. 1887. v. 9, p. 209-219)

Annotated list of some forty species collected in waters off Bering Island, and Kamchatka, supplementing W. H. Dall's *Report on the Mollusca of the Commander Islands collected by Leonard Stejneger*, 1885, q.v.; with a faunal summary listing seventy-four species collected by Stejneger in 1882-83, by Grebnitzki (Russian governor of the Commander Islands) and by the *Vega* Expedition 1878-80, and indicating range of occurrence.

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3618. DALL, WILLIAM HEALEY, 1845-1927. Report on coal and lignite of Alaska. (U. S. Geological Survey. Annual report, 1895-96, pub. 1896. v. 17, pt. 1, p. 763-908, 11 plates (incl. 7 fold. maps))

Contains the results of an examination made by the author in 1895 as a member of the U. S. Geological Survey's party under G. F. Becker; descriptions of the coal fields around Kootznahoo Inlet in the Alexander Archipelago, along the coast to Cook Inlet (Lituya and Yakutat Bays), in Cook Inlet (Port Graham, Kenai plateau and Kachemak Bay), Cape Douglas, Kodiak Island, Chignik and Herendeen Bays, the Shumagin Islands, Aleutian Islands, northern Alaska (Nunivak Island, Yukon Territory, Cape Beaufort, Wainwright Inlet in the Pt. Barrow region); economic conditions, analyses and tests of coals of Alaska; general notes on the Tertiary geology of Alaska (including ground ice formations); notes on the Yukon valley; notes on paleontology of Alaska (Silurian, Devonian, Carboniferous, Mesozoic); and paleobotany.

Appendices: 1. KNOWLTON, F. H. Report on the fossil plants. 2. SCHUCHERT, CHAS. Report on Paleozoic fossils. 3. HYATT, ALPHEUS. Report on the Mesozoic fossils. Each appendix appears in this Bibliography under the author's name.

Maps include: Sketch of part of Alexander Archipelago. Cook Inlet and vicinity. Shelikof Strait and vicinity. Herendeen Bay coal field. Part of Shumagin Islands. Sketch of Zachareffskaya Bay, Unga Island; Shumagins, showing lignite beds.

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3619. DALL, WILLIAM HEALEY, 1845-1927. Report on Mount St. Elias, Mount Fairweather, and some of the adjacent mountains. (U. S. Coast and Geodetic Survey. Annual report, 1875, pub. 1878. Appendix no. 10, p. 157-88)

Results of measurements of altitude made in 1874 by a U. S. Coast Survey party under the author's leadership, with discussion (in full) of the data, methods, etc. and with tables of geodetic data and computations for St. Elias, Fairweather, Crillon, Cook and Vancouver Mts.

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3620. DALL, WILLIAM HEALEY, 1845-1927. Report on the Brachiopoda of Alaska and the adjacent shores of northwest America. (Academy of Natural Sciences of Philadelphia. Proceedings, 1877, p. 155-70)

List (with descriptions, synonymy, distribution, and habitat) which in-

cludes seven species from the waters of the Aleutians, southern and southeastern Alaska. *Copy seen: DLC.*

3621. DALL, WILLIAM HEALEY, 1845-1927. Report on the currents and temperatures of Bering Sea and the adjacent waters. (U. S. Coast and Geodetic Survey. Annual report, 1880, *pub.* 1882. Appendix 16, p. 297-340, plate, fold. chart) Extracts from this report were published as Dall's *Notes on Alaska and the vicinity of Bering Strait*. American journal of science, 1881. v. 21, p. 104-111. A German translation was published as *Hydrologie des Bering-Meeres und der benachbarten Gewässer*, in Petermanns geographische Mitteilungen, 1881. Bd. 27, p. 361-80, 443-48.

Contains discussion (based on the U. S. Coast Survey party's observations in 1880, and on the (then) available literature) of the currents, including those of neighboring North Pacific and Chukotsk Peninsula waters (with chart which includes pack ice limits); and the surface temperatures and ice conditions of Bering Sea (with vertical and horizontal isotherms for Bering Strait).

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3622. DALL, WILLIAM HEALEY, 1845-1927. Report on the limpets and chitons of the Alaskan and arctic regions, with descriptions of genera and species believed to be new. (U. S. National Museum. Proceedings, 1878, *pub.* 1879. v. 1, p. 281-344, illus.)

Discussion of the comparative morphology and nomenclature of the chitons, and a systematic list, with descriptions, synonymy, habitats and distribution, of twenty-nine species of chitons and nineteen (including one new) species of limpets, ranging from Pt. Barrow waters to southeastern Alaskan waters and Okhotsk Sea. Includes circumpolar distribution and species outside Alaskan waters.

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3623. DALL, WILLIAM HEALEY, 1845-1927. Report on the Mollusca of the Commander Islands, Bering Sea; collected by Leonhard Stejneger in 1882 and 1883. Contributions to the natural history of the Commander Islands, no. 3. (U. S. National Museum. Proceedings, 1884, *pub.* 1885. v. 7, p. 340-49)

List of forty-five species from the coastal and inland waters of Commander Islands, particularly Bering Island, and Avacha Bay, Kamchatka; with notes on the specimens, their localities, etc.; also a faunal summary indicating distribution of these species in arctic and North Pacific regions.

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3624. DALL, WILLIAM HEALEY, 1845-1927. Report on the mollusks. (*In:* International Polar Expedition, 1882-1883. Report of the international polar expedition to Point Barrow, Alaska, 1885. p. 177-84, illus., plate)

Systematic annotated list, with localities, of sixty-one species of molluscs and one brachiopod, obtained from beach and dredging near Point Barrow, Franklin Point, and Norton Sound, with three snails from tundra moss near Point Barrow.

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3625. DALL, WILLIAM HEALEY, 1845-1927. Report on the mollusks collected by L. M. Turner at Ungava Bay, north Labrador, and from the adjacent arctic seas. (U. S. National Museum. Proceedings, 1886, *pub.* 1887. v. 9, p. 202-208)

Annotated list of a couple of dozen species, indicating synonymy, and distribution in arctic regions, with localities of specimens collected by Turner mainly in pools and rivers in the Fort Chimo region and in Ungava Bay, and in waters off the Labrador coast, 1882-84; also full description of one new genus and species. *Copy seen: DLC.*

3626. DALL, WILLIAM HEALEY, 1845-1927. A subtropical Miocene fauna in arctic Siberia. (U. S. National Museum. Proceedings, 1893, *pub.* 1894. v. 16, p. 471-78, plate 56)

Note on the Gulf of Penjinsk (guba Penzhinskaya) and Okhotsk Sea as then known, and annotated list of fossil mollusks based on a collection made at Coal Bay in the Gulf of Penjinsk, on the western side of Kamchatka Peninsula by Wm. Stimpson in 1855, during the Ringgold and Rodgers exploring expedition; also some remarks on their beds.

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3627. DALL, WILLIAM HEALEY, 1845-1927. Supplementary notes on some species of mollusks of the Bering Sea and vicinity. (U. S. National Mu-

seum. Proceedings, 1886, *pub.* 1887. v. 9, p. 297-309, plates III-IV)

Notes on about twenty-four species with remarks on the specimens.

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3628. DALL, WILLIAM HEALEY, 1845-1927. Travels on the Yukon and in the Yukon Territory. (*In his, and others:* The Yukon Territory, 1898. p. 1-242, illus., 10 plates)

Narrative of the author's sledge and boat journeys, during the Western Union Telegraph Co. Expedition 1866-68, in the Norton Sound-Nulato-St. Michael region, and up the Yukon River as far as Fort Yukon; with detailed material on the culture of the West Alaska Eskimo and notes on the Koyukon Indians.

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3629. DALL, WILLIAM HEALEY, 1845-1927. Tribes of the extreme Northwest. (*In:* *Contributions to North American ethnology*, issued by U. S. Dept. of the Interior. U. S. Geographical and Geological Survey of the Rocky Mountain Region, Washington, U. S. Govt. Print. Off., 1877. v. 1, pt. 1, p. 1-156, illus., 10 plates, fold. map.)

Contents: 1. On the distribution and nomenclature of the native tribes of Alaska and the adjacent territory, with a map. (List of Eskimo, Aleut, and Indian tribes and their clans, with notes on their names, area and approximate population).

2. On succession in the shell-heaps of the Aleutian Islands (human and animal remains and artifacts, etc., as evidence of prehistoric population).

3. Remarks on the origin of the Innuits. (Dall's remarks on theories of H. Rink and C. R. Markham.)

Appendix: Linguistics. Furuholm, J. Notes on the natives of Alaska (on Tlingit, Aleut, and Eskimo dialects).

Dall, W. H. Terms of relationship used by the Innuits.

Gibbs, G., and Dall, W. H. Comparative vocabularies (of various clans of the Tlingit, Tsimshian and Haida Indians).

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3630. DALL, WILLIAM HEALEY, 1845-1927, and others. The Yukon Territory. The narrative of W. H. Dall, leader of the Expedition to Alaska in 1866-1868. The narrative of an exploration made in 1887 in the Yukon District, by George M. Dawson. Ex-

tracts from the report of an exploration made in 1896-1897, by Wm. Ogilvie . . . London, Downey & Co., Ltd., 1898. xiv, 438 p. illus., 22 plates. Introduction by F. M. Trimmer.

Each of the three parts appears in this Bibliography under the author's name. The volume includes an index for all parts.

Copy seen: NNS Stef.

3631. DALL, WILLIAM HEALEY, 1845-1927, and G. D. HARRIS. Correlation papers; Neocene, Washington, U. S. Govt. Print. Off., 1892. 349 p. 3 fold. maps, diagrs. (U. S. Geological Survey. Bulletin no. 84)

Contents include: Alaska (notes on rocks, lignitic beds of the Aleutians, descriptions of formations, distribution of fauna, ground ice formations (Kotzebue Sound), and their origin, etc.) p. 232-68, with fold. map.

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3632. DALL, WILLIAM HEALEY, 1845-1927, and H. M. BANNISTER. List of the birds of Alaska, with biographical notes. (Chicago Academy of Sciences. Transactions, 1869. v. 1, pt. 2, p. 267-310) "First paper on the results of the Russo-American Telegraph Expedition".

Contains an account of the Western Union Telegraph Co. Expedition to Alaska 1865-68, and a list (with notes on the method of their collection, their use by the natives, and their localities) of two hundred twelve birds from many parts of Alaska and from the Chukotsk Peninsula. *Copy seen:* DLC.

DALL, WILLIAM HEALEY, 1845-1927, see also Chicago Academy of Sciences. Robert Kennicott. 1869.

DALL, WILLIAM HEALEY, 1845-1927, see also Clarke, S. F. Report on hydroids collected Alaska & Aleutian Islands. 1876.

DALL, WILLIAM HEALEY, 1845-1927, see also Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

DALL, WILLIAM HEALEY, 1845-1927, see also Jochelson, V. I. Archaeological investigations in the Aleutian Islands. 1925.

DALL, WILLIAM HEALEY, 1845-1927, see also Lesquereux, L. Contribution to the Miocene flora of Alaska. 1883.

DALL, WILLIAM HEALEY, 1845-1927, see also Murdoch, J. Seal catching at Pt. Barrow. 1884.

DALL, WILLIAM HEALEY, 1845-1927, see also O'Neill, J. J. Geology of arctic coast of Canada. 1924.

DALL, WILLIAM HEALEY, 1845-1927, see also Soper, J. D., & others. Faunal investigation southern Baffin Island. 1928.

DALL, WILLIAM HEALEY, 1845-1927, see also U. S. Coast & Geodetic Survey. Alaska. General information. 1896.

DALL, WILLIAM HEALEY, 1845-1927, see also White, C. A. On small collection of Mesozoic fossils. 1884.

3633. DALRYMPLE, A. J. Winged travelers of the sub-Arctic. The forbidding shores of Hudson Bay provide adventure and strange sights. (Forest and outdoors, Jan. 1935. v. 31, p. 749-50, 754, illus.)

Popular account of birds in the region of Churchill. *Copy seen:* DA.

3634. DALY, CHARLES PATRICK, 1816-1899, and others. Arctic meeting at Chickering Hall, January 31, 1878. Reception of the Earl of Dufferin. Paper by Captain Howgate, on his plan for the exploration of the arctic region. Addresses by Chief Justice Daly, William Cullen Bryant, Bayard Taylor, Lord Dufferin, and Dr. Isaac I. Hayes. (American Geographical Society, N. Y. Journal, 1878. v. 10, p. 276-98)

H. W. Howgate's paper: *Plan for the exploration of the Arctic Regions*, appears in this Bibliography under his name. *Copy seen:* DLC.

3635. DALY, CHARLES PATRICK, 1816-1899, and others. Arctic meeting at Chickering Hall, October 28th, 1880. Reception of Lieut. Frederick Schwatka and his associates of the Franklin search party of 1878, 1879 and 1880. (American Geographical Society, N. Y. Journal, 1880. v. 12, p. 237-96, 2 fold. maps)

Contents: Daly, C. P. Introductory address. (Brief account of the origin of the expedition, and information derived from Eskimos, 1878.)

SCHWATKA, J. Address. (Report on the expedition.)

Hayes, J. J. Remarks. (Concern the Franklin Expedition, the search expe-

ditions, and arctic exploration in general.)

Appendices: 1. Thomas F. Barry's statement. (A seaman who reported Eskimo statements, concerning the Franklin party, which Schwatka was sent to investigate.)

2. Joseph Eberling's (Esquimaux Joe) statement. (A native of Repulse Bay who accompanied C. F. Hall to King William Island during his expedition, 1864-69.)

3. Letter of Admiral Sir Leopold McClintock to the British Admiralty, 19th December, 1877. (Concerns the Barry statement, voicing doubts of its importance and advising against British action.)

4. Letter of Dr. John Rae to the British Admiralty, 15th December, 1877. (Rae's opinion that the Barry report was "a mistake in all its important particulars".)

5. Letter from the British Admiralty, Jan. 18, 1878. (Presumably to the American Geographical Society.)

6. HALL, E. F. Synopsis of the Franklin Search.

7. Nourse, J. E. English and American Franklin search expedition. (1) From the west through Behring's Straits, (2) from the east through Baffin's Bay, (3) land expeditions, and (4) Private expeditions. (From the *Narrative of the second arctic expedition made by Chas. F. Hall, 1879.*)

The papers by J. Schwatka and E. F. Hall appear in this Bibliography under their names. *Copy seen:* DLC.

3636. DALY, REGINALD ALDWORTH, 1871- . The geology of the northeast coast of Labrador. (Harvard University. Museum of Comparative Zoology. Bulletin, 1902. v. 38 (Geol. ser. v. 5, no. 5) p. 203-270, illus., 13 plates incl. 3 maps) Results of the author's work with the Brown-Harvard Expedition to Nachvak, Labrador, 1900.

Contents: Topography and bed-rock geology (from Belle Isle to Nachvak Bay including Kaumajet and Tornat Mountains), p. 209-236. Surface geology (glacial and postglacial), p. 236-66. *Copy seen:* DLC.

DALY, REGINALD ALDWORTH, 1871- , see also Delabarre, E. B. Report Brown-Harvard Exped. Labrador 1900. 1902.

DALY, REGINALD ALDWORTH, 1871-, see also Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

3637. DAMAS, DÉSIRÉ, 1877-. The oceanography of the Sea of Greenland. A résumé of the observations made during the expedition of the Belgica, in 1905. (Smithsonian Institution. Annual report, 1909, pub. 1910. p. 369-83. illus., 2 plates.) Translated from La Géographie, Paris, June 15, 1909. v. 19, no. 6.

A brief review of the route of the Duc d'Orléans' cruise from West Spitsbergen to Greenland and along the coast, and of observations made on ice, temperature and salinity with comparative data from other exhibitions. The scientific results of this cruise were published in full as Orléans' Croisière océanographique . . . 1905, q.v.

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3638. DAMAS, DÉSIRÉ, 1877-, and E. KOEFOED. Le plankton de la Mer du Grönland. (In: Orléans, L. P. R., Duc d'. Croisière océanographie accomplie à bord de la Belgica dans la Mer du Grönland 1905, pub. 1907. p. 345-453, 10 sketch maps, tables) *Title tr.*: The plankton of Greenland Sea. (Oceanographic cruise on board the Belgica in Greenland Sea, 1905)

Contains a qualitative study of the zooplankton (especially *Calanus*), (1) of the surface layers, (2) of intermediate layers, and (3) as indicators of currents in Greenland Sea.

Tables include station list of fifty-one species of phytoplankton, and seventy-five species of zooplankton, with depth and abundance indicated; distribution of two selected species of pteropods in northern seas (including Barents Sea) based on ten different expedition reports.

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DAMAS, DÉSIRÉ, 1877-, see also Hjort, J., & others. Oversigt Norsk fiskeri, 1900-1908. 1909.

3639. DAMES, W. Über die Ichthyopterygier der Triasformation. (Akademie der Wissenschaften, Berlin. Sitzungsberichte, 1895. Physikalisch-mathematische Classe, p. 1045-50) *Title tr.*: Triassic Ichthyopterygia.

Discussion of the correlation of these fossil reptiles throughout the world,

with reference, among others, to specimens found in West Spitsbergen.

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3640. DAMRON, M. H. Making a clean kill. (Alaska sportsman, Feb. 1935. v. 1, no. 2, p. 22-23, illus.)

"An Alaskan hunter tells the right and the wrong way to hunt bear and what to do after the first shot."—Sub-title.

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3641. DANBO, JOHANNES MARIUS, 1880-. Om Grønlands areal. I. Arealmaaling af kommunerne i de vestgrønlandske kolonidistrikter Ritenbenk, Godhavn, Jakobshavn og Christianshaab. København, C. A. Reitzel, 1936. 12 p. tables. (Meddelelser om Grønland. Bd. 118, nr. 5) *Title tr.*: On the areal of Greenland. I. Areal survey of communes in the West Greenland colonial districts of Ritenbenk, Godhavn, Jakobshavn and Christianshaab.

Results of planimetric survey, with tabular breakdown of communes within the four administrative districts, and of each commune, with notes on the Danish Geodetic Survey mapping project.

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3642. DANBO, JOHANNES MARIUS, 1880-. Om Grønlands areal. II. Arealmaaling af Østgrønland mellem 73° og 76°N. br., mod vest til meridianen 32° vest for Greenwich. København, C. A. Reitzel, 1939. 24 p. incl. tables, sketch map. (Meddelelser om Grønland. Bd. 125, nr. 6) *Title tr.*: On the areal of Greenland. 2. Areal survey of East Greenland between 73° and 76°N. west to 32°W.

Contains tabular results for Hold with Hope, Ymer Island, Petermanns Mt., Hvidbjørns Nunatak, Wollaston Foreland, Clavering Island, Ole Rømers Land, Wilkins Nunataks, Hochstetter Foreland, King Wilhelm's land, Carlsbergfondet Land.

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3643. DANENHOWER, JOHN WILSON, 1849-1887. Lieutenant Danenhower's narrative of the "Jeannette". Boston, J. R. Osgood & Co., 1882. x p., 1 l., 102 p. front. (port.) illus., plate, double-face map.

The brief synopsis of the cruise of the *Jeannette*, 1879-81, and (in more detail) the ship's party's retreat afoot and by boat from the wrecked ship 77°15'N. 155°E. in East Siberian Sea

to the Lena delta; revised and corrected from the dictated narrative which appeared in the *New York Herald*, 1882.

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3644. DANENHOWER, JOHN WILSON, 1849-1887. The polar question. (United States Naval Institute, Proceedings, 1885. v. 11, p. 633-99 fold. map)

Paper prepared to be read and discussed, Oct. 9, 1885. Notes on problems of climate, food, and ice presented by routes to the Pole via West Spitsbergen, Franz Josef Land, East Greenland, Baffin Bay—Smith Sound and Bering Strait; discussion of ice, currents and tides of the Arctic Basin; and concluding remarks on international research.

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3645. DANENHOWER, SLOAN, 1885-
The arctic submarine *Nautilus*. (In: Wilkins, Sir G. H. Under the North Pole, 1931, p. 233-73, illus., plates)

Description (by its commander) of the submarine, its operation, reconditioning and various features incorporated in its design for arctic service, by Simon Lake.

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DANGEARD, LOUIS, see Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1928. 1930.

DANGEARD, PIERRE, see Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1928. 1930.

3646. DANIEL, ISABELLE H. Fur seals, voyageurs. (Alaska life, July 1948. v. 11, no. 7, p. 4-5, illus.)

On the northward migration of the Bering Sea fur seal and its behavior on the Pribilof Islands.

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3647. DANIELO, E. Ke-na-o-wet? (What is your name?) (Eskimo; country, customs, Catholic missionaries, Sept. 1949. v. 14, p. 13-15, illus.)

Notes on Eskimo customs concerning personal names. *Copy seen:* CaMAI.

DANIELS, JOHN A., see U. S. Coast & Geodetic Survey. Hydrography; wire-drag work. 1916.

DANIELSEN, JAKOB NIKOLAI DAVID THOMAS, 1888-1938, see Rosen-dahl, P. Jakob Danielsen, en grønlandsk maler. 1942.

3648. DANIELSSEN, DANIEL CORNELIUS, 1815-1894. Actinida. Christiania, Grøndahl & Søn, 1890. 2 p. 1, v. 184 p. 25 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 5, Zoology, hefte 2)

A list, with descriptions and notes on habitat, of forty new species of sea anemones, with a table showing position, depth, bottom temperature and sediments of the stations in the Norwegian and Greenland Seas where the collections were made; bibliography, p. 159-62.

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3649. DANIELSSEN, DANIEL CORNELIUS, 1815-1894. Alcyonida. Christiania, Grøndahl & Søn, 1887. 2 p. 1, viii, 169 p., 1 l. 13 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 5, Zoology, hefte 1)

A list, with descriptions and locations, of thirty-three new species of soft corals, with a table showing the position, depth, bottom temperature and sediments of the stations in the Norwegian and Greenland Seas where the collections were made.

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3650. DANIELSSEN, DANIEL CORNELIUS, 1815-1894. Crinoidea. Christiania, Grøndahl & Søn, 1892. 2 p. 1, 28 p. 5 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 5, Zoology, hefte 3, [nr. 1])

A detailed description of *Bathyrinus carpenteri* and a mention of five other species of "sea-lilies", collected in the Norwegian and Greenland Seas.

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3651. DANIELSSEN, DANIEL CORNELIUS, 1815-1894. Echinida. Christiania, Grøndahl & Søn, 1892. 2 p. 1, 9 p. plate. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 5, Zoology, hefte 3, [nr. 2])

List, with locations, of fourteen species of sea-urchins, and a full description of *Echinus alexandri* from the Norwegian and Greenland Seas.

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3652. DANIELSSEN, DANIEL CORNELIUS, 1815-1894. Gephyrea. Christiania, Grøndahl & Søn, 1881. 2 p. 1, 58 p., 1 l. 6 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 4, Zoology, hefte 1)

A list of sixteen (and descriptions of the seven new) species of marine worm,

with a table showing the position, depth, bottom temperature and bottom sediments of the stations in the Norwegian and Greenland Seas where the specimens were taken. *Copy seen:* DLC.

3653. DANIELSSEN, DANIEL CORNELIUS, 1815-1894, and JOHAN KOREN. Asteroidea. Christiania, Grøndahl & Søn, 1884. 1 p. l., 118 p., 1 l. 15 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 4, Zoology, hefte 3)

List, with descriptions and locations, of forty-four (including eleven new) species of starfish, with tables showing the position, depth, bottom temperature and sediments of the stations in the Norwegian and Greenland Seas where the specimens were collected.

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3654. DANIELSSEN, DANIEL CORNELIUS, 1815-1894, and JOHAN KOREN. Fra den Norske Nordhavs-expedition. Echinodermer. (Nytt magasin for naturvidenskapene, 1877, Bd. 23, hefte 3, p. 45-83, plates 1-5; 1879, Bd. 24, hefte 3, p. 229-66, 4 plates; 1880, Bd. 25, hefte 2, p. 83-140, 6 plates; 1881, Bd. 26, hefte 2, p. 177-94; 1883, Bd. 27, hefte 2-4, p. 267-302; 1884, *pub.* 1883, Bd. 28, hefte 1, p. 1-10) *Title tr.:* From the Norwegian North Atlantic Expedition. Echinodermata.

Contains a morphological and taxonomic study of marine echinoderms collected during the Norwegian North Atlantic Expedition, 1876-78, in waters between northern Norway, Greenland, Svalbard and Iceland, with descriptions of several new genera and species, synonymy, critical notes and data on habitat.

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3655. DANIELSSEN, DANIEL CORNELIUS, 1815-1894, and JOHAN KOREN. Fra den Norske Nordhavs-expedition. Gephyreer. (Nytt magasin for naturvidenskapene, 1881, *pub.* 1880. Bd. 26, hefte 1, p. 44-66, plate 1-2) *Title tr.:* From the Norwegian North Atlantic Expedition. Gephyrea.

Contains a morphological and taxonomic study of marine worms (Gephyrea) collected in Norwegian waters and Greenland Sea by the Norwegian North Atlantic Expedition in 1876-78, with descriptions of three new genera and six new species, including four native to Greenland Sea.

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3656. DANIELSSEN, DANIEL CORNELIUS, 1815-1894, and JOHAN KOREN. Holothurioidea. Christiania, Grøndahl & Søn, 1882. 1 p. l., 94 p., 1 l. 13 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 4, Zoology, hefte 2)

List, with descriptions and locations, of twenty-five (including six new) species, and a table showing the positions, depth, bottom temperature and sediments of the stations in the Norwegian and Greenland Seas where the sea cucumbers were collected.

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3657. DANIELSSEN, DANIEL CORNELIUS, 1815-1894, and JOHAN KOREN. Pennatulida. Christiania, Grøndahl & Søn, 1884. 1 p. l., 83 [1] p. 12 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 4, Zoology, hefte 4)

A list, with descriptions and locations, of thirteen (including eleven new) species of sea-pens, with a table showing the position, depth, bottom temperature and sediments of the stations in the Norwegian and Greenland Seas where the collections were made.

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DANIELSSEN, DANIEL CORNELIUS, 1815-1894, see also Koren, J., & D. C. Danielssen. Bidrag norske Gephyreers naturhistorie. 1876.

3658. DANILIN, A. G. Этнoграфическая работа в Якутской АССР. (Этнoграфия, 1927. v. 2, no. 1, p. 185-92) *Title tr.:* Ethnographical work in the Yakut A.S.S.R.

Contains a review of the ethnographical work done in the Yakut A.S.S.R. since 1920. Names of participants and organizations and a partial bibliography are given. *Copy seen:* DLC.

DANILIN, SERGEI ALEKSEEVICH. see Stalinskaja trassa. 1937.

3659. DANILOV, B. I О зимнем гидрологическом режиме в проливе Шокальского. (Проблемы Арктики, 1940, no. 6, p. 21-27, diags.) *Title tr.:* On the winter hydrological régime in Shokalskiy Strait.

Based on data from the Hydrological Expedition to the Shokalskogo and Vil'kitskogo Straits between Kara and Laptev Seas, in winter 1936.

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3660. DANILOV, B. I. V prolivakh Vil'kitskogo i Shokal'skogo. (Sovetskaiā Arktika, 1937, no. 8, p. 106-112, illus., map) *Title tr.*: In Vilkitsky and Shokalsky Straits.

Account of the investigation of the straits by a scientific party wintering at Cape Chelyuskin, 1935-36.

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3661. DANILOV, B. I. Zimnīā gidrologicheskaiā ēkspeditīā v prolivakh Shokal'skogo i Vil'kitskogo v 1936 godu. (Problemy Arktiki, 1937, no. 3, p. 49-63, map, diagrs.) *Title tr.*: Hydrological work in Vil'kitsky and Shokalsky Straits.

Brief report on two winterings 1934-35 and 1935-36, and on the expedition's work: observations of currents, chemistry of the water, ice conditions, and winds. Summary in English.

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3662. DANILOV, D. N. Dobycha pushnykh zverei. Moskva, Zagotizdat, 1947. 100 p., illus., tables. *Other authors:* B. T. Semenov and K. A. Iastrebov. *Title tr.*: The trapping of fur-bearing animals.

Detailed description of implements and methods used in Arkhangel'sk and Omsk regions for hunting and trapping squirrels, ermine, arctic hares, and foxes; with statistics of the catch by stakhanovites (workers of maximum efficiency) in various regions and by use of various implements.

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3663. DANILOV, V. Osobennosti psikhicheskogo mira iakutov Kolym'skago okruga v zavisimosti ot ikh kul'tury. (Zhivaiā starina, 1907-08. v. 16, vyp. 3, p. 170-80; vyp. 4, p. 226-34; v. 17, vyp. 1, p. 34-49) *Title tr.*: Peculiarities of the Yakut psychology in the Kolyma area in relation to the culture.

Contains a series of observations on some peculiar psychological disorders of the Kolyma Yakuts, the so-called "arctic hysteria." Pt. 1 deals with "Omeriak" the native term applied to that manifestation of the disease in which the individual completely loses his will, evidently induced by outside factors.

Pt. 2 deals with "Menerik", when the specific psychological release occurs apparently without the definite influence of an outside factor.

Pt. 3 describes "Irer", when the psychic condition is in definite relationship to the group, often forcing the subject into seclusion. *Copy seen:* DLC.

3664. DANILOV, V. V. Fluorine in the waters of the Khibina region. (Akademīā nauk SSSR. Comptes rendus, (Doklady), 1940. n. s., v. 26, no. 3, p. 230-31, table)

Account of the investigation of waters in the rivers and lakes of this region in Kola Peninsula particularly Lake Imandra; with table showing their fluorine content and its ratio to dry residue; comparison with waters of other rivers of the Soviet Union.

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3665. DANMARK-EKSPEDITIONEN TIL GRØNLANDS NORDOSTKYST, 1906-1908. [Beretninger] København, 1912-1917. 6 v. illus., plates (part col. part fold.) ports., maps (part fold.) tables, diagrs. (Meddelelser om Grønland. Bd. 41-46) *Title tr.*: Reports of the *Danmark Expedition* to the north-east coast of Greenland 1906-1908.

The expedition was under the leadership of Mylius-Erichsen, and had for its chief task the charting of the unknown stretch of coast from the northernmost point reached by Koldewey, in the tract around Cape Bismarck (about 77°N.), to the terminal points of Peary's expeditions, Navy Cliff and the east coast of Peary Land (about 82°N.) For history of the expedition see G. C. Amstrup, *Report on the Danmark Expedition* (etc.), 1913.

Contents: Bd. 1 (M. O. G. Bd. 41, pub. 1913)

No. 1. AMDRUP, G. C. Report on the *Danmark Expedition*.

No. 2. TROLLE, A. Hydrographical observations.

No. 3. BISTRUP, H. A. Ø. Tidal observations in Danmarks Havn.

No. 4. LINDHARD, J. Health conditions.

No. 5. AMDRUP, C. G. Mylius-Erichsen's report on the non-existence of Peary channel.

Bd. 2. (M. O. G. Bd. 42, pub. 1914, in German)

No. 1. WEGENER, A. L. Kite and captive balloon ascents.

No. 2. LÜDELING, G. Measurements of atmospheric electricity.

No. 3. WEGENER, A. L. Meteorological observations during the cruises 1906 and 1908.

No. 4. WEGENER, A. L. Meteorological fixed-hour observations made at Danmarks Havn.

No. 5. BRAND, W. Hourly observations of atmospheric pressure and temperature at Danmarks Havn.

No. 6. BRAND, W. Meteorological observations at the Pustervig Station.

No. 7. BRAND, W. The temperature in the crow's-nest on the main-mast of the *Danmark*.

No. 8. BRÜCKMANN, W. Magnetic observations. 1914.

Bd. 3. (*M. O. G. Bd. 43, pub. 1911-17*)

No. 1. OSTENFELD, C. E. H. List of vascular plants.

No. 2. JOHANSEN, F. The insects.

No. 3. BORGESEN, F. Freshwater algae.

No. 4. KOLDERUP-ROSENVINGE, J. L. A. On the marine algae.

No. 5. FERDINANDSEN, C. C. F. Fungi terrestres.

No. 6. LIND, J. V. A. Systematic list of fungi (Micromycetes).

No. 7. JENSEN, C. E. O. Hepaticae and Sphagnaceae.

No. 8. HESSELBO, A. Mosses.

No. 9. GALLØE, O. Lichens.

No. 10. ØSTRUP, E. V. Diatoms.

No. 11. OSTENFELD, C. E. H. Marine plankton.

No. 12. NATHORST, A. G. Contributions to the carboniferous flora.

No. 13. LUNDAGER, A. Some notes concerning the vegetation of Germania Land.

No. 14. TRÄGARDH, I. Acari.

No. 15. DITLEVSEN, H. A marine *Dorylaimus* from Greenland waters, *Dorylaimus maritimus*, n.sp.

No. 16. LEVINSSEN, G. M. R. Bryozoa.

No. 17. BRØNDSTED, H. V. Report on the Porifera.

No. 18. JUNGENSEN, H. F. E. The Alcyonaria.

No. 19. CARLGREN, O. H. Actiniaria and Zoantharia.

No. 20. GRÖNWALL, K. A. A. The marine Carboniferous . . . and its brachiopod fauna.

No. 21. JENSEN, A. S. Quaternary fossils.

Bd. 4. (*M. O. G. Bd. 44, pub. 1917*)

No. 1. LINDHARD, J. Investigations into the conditions governing the temperature of the body.

No. 2. LINDHARD, J. Some investigations on the fluctuations in the number of white blood corpuscles in the capillaries and the causes of these fluctuations.

No. 3. LINDHARD, J. Contribution to the physiology of respiration under the arctic climate.

No. 4. THOSTRUP, C. B. Ethnographic description of the Eskimo settlements and stone remains.

No. 5. THOMSEN, T. Implements and artifacts of the north-east Greenlanders; finds from graves and settlements.

Bd. 5. (*M. O. G. Bd. 45, pub. 1912*)

No. 1. MANNICHE, A. L. V. The terrestrial mammals and birds.

No. 2. JOHANSEN, F. Observations on seals (Pinnipedia) and whales (Cetaceae).

No. 3. HARTMEYER, R. Die Ascidians.

No. 4. MORTENSEN, T. Report on the echinoderms.

No. 5. BREHM, V. The Entomostraca.

No. 6. JOHANSEN, F. Freshwater life.

No. 7. KRAMP, P. L. Report on the hydroids.

No. 8. MORTENSEN, T. A new species of Entoprocta, *Loxosomella antedonis*.

No. 9. DITLEVSEN, J. Annelids.

No. 10. RAVN, J. P. J. On Jurassic and Cretaceous fossils.

No. 11. STEPHENSEN, K. Report on the Malacostraca, Pycnogonida and some Entomostraca.

No. 12. JOHANSEN, F. The fishes.

Bd. 6. (*M. O. G. Bd. 46, pub. 1917*)

No. 1. KOCH, J. P. The glacial observations.

No. 2. KOCH, J. P. Survey of north-east Greenland.

Each paper appears in this Bibliography under its author's name.

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DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 1, *see* Porsild, M. P. Hvor opholder den grønlandske laks sig om vinteren? 1911.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 2, *see* Porsild,

M. P. List of vascular plants Nugsuaq Peninsula. 1911.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 3, *see* Porsild, M. P. Plant-life of Hare Island. 1911.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 4, *see* Porsild, M. P. Actinometrical observations. 1911.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 5, *see* Porsild, M. P. Arme ancienne de chasse des Esquimaux, 1911.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 6, *see* Porsild, M. P. Vascular plants of West Greenland, 71°-73°N. 1912.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 7, *see* Porsild, M. P. Studies on material culture of Eskimo, W. Greenland. 1915.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 8, *see* Porsild, M. P. Naturfredning i dansk Grønland. 1915.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 9, *see* Porsild, M. P. On genus *Antennaria* in Greenland. 1915.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 10, *see* Porsild, M. P. Om nogle vestgrønlandske pattedyr & fugle. I-II. 1918.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 11, *see* Porsild, M. P. & A. E. Porsild. Flora of Disko Island. 1926.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 12, *see* Porsild, A. E. Contributions flora West Greenland, 70°-71°45'N. 1926.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 13, *see* Porsild, M. P. Stray contributions flora Greenland, I-V. 1931.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 14, *see* Porsild, M. P. Alien plants & apophytes Greenland. 1932.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 15, *see* Porsild, M. P. Stray contributions flora Greenland, VI-XII. 1935.

DANSKE ARKTISKE STATION PAA DISKO. Arbejder, nr. 16, *see* Porsild, M. P. Stray contributions flora Greenland, XIII-XVII. 1946.

3666. DANSKE ATLANTERHAVSØER, COPENHAGEN. De danske atlantehavssøer; en orienterende oversigt over forholdene paa Island, Faerøerne, Grønland og de Dansk-Vestindiske øer med særligt henblik paa den økonomiske udvikling. Udg. af foreningen "De danske atlantehavssøer". København, Hoffensbergske etabl., 1904-08. 4 pt. in 1: 3 p. l., 8, [5]-877, [1] p. illus., fold. maps. Issued as nos. 3-17, 19-25, 27-31, 33-34, 46, 48-49, 55-60, 62-68, 70-71, 73-74, 76-77, 87-89, 91-92, 94-95 of Atlanten. *Title tr.:* The Danish islands in the Atlantic Ocean; and orientating survey of conditions in Iceland, The Faroes, Greenland and the Danish West Indies, with special reference to their economic development. Published by the Society "De danske atlantehavssøer." (The Danish Atlantic Ocean islands). *Contents tr.:* include pt. 3, p. 311-566, *pub.* 1906, Greenland: nature, population, natural resources, and means of livelihood.

A description of Greenland, its climate, nature, history, flora, fauna, minerals, health conditions, soil conditions, the icecap, population, Eskimos, their means of livelihood, hunting and fishery, whaling, sealing, transportation, education, school system, churches, living conditions, distribution of population, trade, navigation, industrial arts, artistic endeavors, coal mining, etc. Includes bibliography.

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3667. DANSKE GEOGRAFISKE SELSKAB. Det festlige møde i anledning af Dr. Fridtjof Nansens expedition. (Geografisk tidsskrift, København, 1890. Bd. 10, p. 53-56) *Title tr.:* The festive meeting in honor of Dr. Fridtjof Nansen.

Description of the meeting, May 25, 1889, in honor of the first crossing of Greenland by Nansen, 1888-89, and Nansen's speech dealing chiefly with the inland ice. *Copy seen:* DLC.

3668. DANSKE GEOGRAFISKE SELSKAB. Nordenskiöldfesten. (Geografisk tidsskrift, København, 1880. Bd. 4, p. 25-38) *Title tr.:* The celebration in honor of Nordenskiöld.

Account of the Danish Geographical Society meeting in Copenhagen, April 16, 1880, in honor of Nordenskiöld en route to Stockholm in the *Vega*, with texts of speeches. *Copy seen:* DLC.

3669. DARBISHIRE, OTTO V. Lichens collected during the 2nd Norwegian Polar Expedition in 1898-1902. Kristiania, A. W. Brøgger, 1909. 68 p. 3 plates (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3 (no. 21))

Descriptions of eight new species of lichens collected by the Second *Fram* Expedition in northwest Greenland, Ellesmere Island and adjacent islands; and list, with synonymy and references to literature, of about five hundred species from arctic America, Greenland, West Spitsbergen and Iceland; also list of localities with species found on the Second *Fram* Expedition; bibliography, p. 7-8. *Copy seen:* DLC.

3670. DARLING, T. A. There she blows! (Alaska sportsman, May 1937. v. 3, no. 5, p. 13-17, 19-20, illus.)

Description of modern whaling, the Akutan whaling station, methods of processing the carcass, and morphology of the whales. *Copy seen:* DLC.

DASSOW, JOHN, see Ellson, J. G., & others. Report Alaska Exploratory Fishing Exped. 1948. 1949.

3671. DATSKII, N. G. Ĭzhnyi predel rasprostraneniâ vechnoi merzloty v Mezenskom raione Severnogo Kraia. (Akademiâ nauk SSSR. Komissiiâ po izucheniiu vechnoi merzloty. Trudy, 1937. T. 5, p. 5-93, 35 tables, 42 illus.) *Title tr.:* The southern limit of permafrost in the Mezen district of the far North.

Contains results of field work of the expedition of the Academy of Sciences U.S.S.R. in 1933, to the lower reaches of the Mezen River. Description of the area includes data on soils (cross sections), ground temperature, duration of seasonal freezing, granulometric composition. Similar data is given for the peat-covered areas and tundra with information on its fauna; also description of sunken lakes and peat mounds with permanently frozen ground at their foundation. Summarizing, the author states that permafrost reported as existing in 1837 no longer exists in this

area, and the remains of it under the peat mounds testify to the general process of degradation, which was caused by the change in the climatic conditions of the area, and hastened by human activity. Bibliography (9 items).

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3672. DATSKII, N. G. Puchiny na zheleznykh dorogakh v usloviakh vechnoi merzloty. (Akademiâ nauk SSSR. Komissiiâ po izucheniiu vechnoi merzloty. Trudy, 1935. T. 4, p. 171-87) *Title tr.:* Ground swelling along railways under permafrost conditions.

Contains discussion of frost-swelling of railway beds and possible counter measures, hitherto inadequate because of need for greater study. Such study was made on two sections of a railway (about 100 miles each) in the permafrost region and statistical results are given on the distribution of various types of frost-swelling (classified according to size) on various portions of the railway bed (flat, cut, fill). Observations on the rate of appearance, growth and degradation of swellings during the various months of the year indicate that the most dangerous months in this locality are November, December, January, April and May, when the fluctuations of the road beds are sharpest. Data on climate and rain and snow fall are added and integrated into the study of the development of swellings. Bibliography (8 items).

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3673. DATSKII, N. G. Vechnaia merzlotâ i uslovia stroitel'stva v Usinskom raione. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil SSSR. Trudy. Seriiâ severnaia, 1934. Vyp. 2, p. 45-142, 58 illus., charts, diagrs.) *Title tr.:* Permafrost and construction conditions in the Usa River region.

Contains (in pt. 1) data, based on numerous test pits, on the geographical distribution of permafrost in the basin of the Usa River, its thickness, thermal régime, soil composition, and moisture content at various depths; cross sections of several peat mounds (with tables and temperature curves); observations on the character of permafrost distribution under various conditions of micro-relief and the influence of permafrost degradation on relief (thawing of subterranean ice, dis-

integration of frost mounds, solifluction); and indications of the general characteristics of the ground and their interrelationship with permafrost.

Pt. 2. Analyses of building deformations and their causes as part of the general conclusions regarding construction practices in this region (houses, water supply, roads, railways, etc.) The importance of granulometric composition of the ground, its plasticity and other characteristics are discussed, together with the influence of separate mineralogical factors on construction practices. Specific examples of difficulties in railway buildings and roads are given together with some practical instructions.

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DATSKII, N. G., *see also* Pisarev, G. F., & N. G. Datskii. Vechnaia merzlota v Usinskoi lesotundre Severnogo kraia. 1934.

3674. DAUBLEBSKY von STERNECK ZU EHRENSTEIN, MAXIMILIAN, Freiherr, 1829-1897. Graf Wiltschek's Nordpolarfahrt im Jahre 1872. (Petermanns geographische Mitteilungen, 1874. Bd. 20, p. 65-72, fold. map)

Contains an account of Wilczek's expedition in the *Isbjörn*, to establish a relief station for the Austro-Hungarian *Tegetthof* expedition on northern Novaya Zemlya (during which a geological investigation of Horn Sound region on West Spitsbergen was made by H. Höfer); describes the voyage across Barents Sea, along the coast of Novaya Zemlya, and return to the mouth of the Pechora River, June-Sept., 1872; concluding note by A. Petermann.

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3675. DAUBLEBSKY von STERNECK ZU EHRENSTEIN, MAXIMILIAN, Freiherr, 1829-1897. Reise von Tromsø nach Spitzbergen, Nowaja Zemlja und Russland an Bord der Yacht *Isbjörn*. Arctische Expedition des Grafen Hans Wilczek im Sommer 1872. Pola, 1874. 63 p. incl. tables, 2 fold. maps. (Austro-Hungarian Monarchy. Hydrographisches Amt. Mittheilungen aus dem Gebiete des Seewesens, 1874. Bd. 2, Beilage no. 1) *Title tr.:* Voyage from Tromsø to Spitzbergen, Novaya Zemlya and Russia on the yacht *Isbjörn*. Arctic expedition of Count Hans Wilczek in summer 1872.

Narrative of a six-man party which, aboard Count Wilczek's yacht *Isbjörn*,

accompanied Weyprecht and Payer on the *Tegetthof* on the first part of the Austro-Hungarian Expedition of 1872-1874, to lay a coal and provision depot on Cape Nassau, Novaya Zemlya, for the *Tegetthof* party. Describes the voyage to Horn Sound, West Spitsbergen, then to Novaya Zemlya where Count Wilczek and Prof. Höfer carried out geological work; the *Isbjörn's* trip southward to the mouth of the Pechora, the Wilczek party's journey from the Pechora overland to Moscow, Sept.-Oct. Appended (p. 37-63) is a nautical journal, June 21-Sept. 2, giving three-or-four-times daily observations of air pressure, air and sea-surface temperature, humidity, wind direction and force, weather, sea-water density, and state of sea, with navigational notes.

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3676. DAUBLEBSKY von STERNECK ZU EHRENSTEIN, MAXIMILIAN, Freiherr, 1829-1897. Rückreise von Graf Wiltschek's Arktischer Expedition durch Nordost-Russland, 1872. (Petermann's geographische Mitteilungen, 1874. Bd. 20, p. 117-20, 132-42, fold. map) *Title tr.:* Return trip of Graf Wilczek's arctic expedition through northeastern Russia, 1872.

Narrative of the return trip through Russia of the Graf Wilczek expedition. After leaving their yacht *Isbjörn*, the party ascended the Pechora River in September. Includes notes on the Pechora delta and on the Russian and Samoyed settlements near the upper part of the delta.

Map scale 1:3,700,000, shows author's route in northeastern Russia, and northern limits of cattle, sheep, horses, birch, coniferous trees, and grain cultivation along the Pechora River.

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3677. DAUBRÉE, AUGUSTE, 1814-1896. Examen des meteorites d'Ofivak (Grönland), au point de vue du carbone et des sels solubles qu'ils renferment. (Académie des Sciences, Paris. Comptes rendus, Juillet, 1872. T. 75, p. 249-46) *Title tr.:* Analysis of the Ofivak (Greenland) meteorites with regard to the carbon and soluble salts contained therein.

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3678. DAUBRÉE, AUGUSTE, 1814-1896. Examen des roches avec fer natif découvertes en 1870 par M. Norden-skiöld, au Grönland. (Académie des

sciences. Comptes rendus, 1872. T. 74, p. 1541-49) *Title tr.*: Examination of rocks containing native iron discovered in 1870 by Nordenskiöld in Greenland.

Discussion of the chemical composition of rocks containing native iron, found at Ovifak, Disko during the Swedish Expedition to Greenland 1870 and said to be meteoritic.

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DAUBRÉE, GABRIEL AUGUSTE, *see* Daubrée, Auguste, 1814-1896.

3679. DAUGAARD-JENSEN, JENS, 1871-. Afsøringen af mindesmaerket for Rink ved Godthaab. (Grønlandske selskab. Aarsskrift, 1919. p. 103-109, illus.) *Title tr.*: The unveiling of the monument to Rink at Godthaab.

Describes festivities at Godthaab in connection with the unveiling of the Rink monument on the 100th anniversary of his birth. Includes speeches made at unveiling. *Copy seen:* NN.

3680. DAUGAARD-JENSEN, JENS, 1871-. Om de grønlandske kommune- og landsraads første begyndelse. (Grønlandske selskab. Aarsskrift, 1912. p. 5-18) *Title tr.*: On the origin of the community and colonial councils of Greenland.

Discusses law of April 1, 1912, pertaining to the establishment of community councils throughout Greenland; qualifications of candidates and voters; election procedures, etc.

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3681. DAUGAARD-JENSEN, JENS, 1871-. Skibsfører Vilhelm Kjøller. (Grønlandske selskab. Aarsskrift, 1924-25. p. 67-68, illus.) *Title tr.*: Sea-captain Vilhelm Kjøller.

Notes expeditions of which he was a member between 1900-1912 and gives brief summary of his life (1871-1925).

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DAUGAARD-JENSEN, JENS, 1871-, *see also* Greenland. Laws, regulations, etc. Kundgørelse for søfarende. 1925-26.

DAURKIN, NIKOLAI, *see* Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

DAURKIN, NIKOLAI, *see* Pallas, P. S. Neue nordische Beyträge. 1781-96.

3682. DAUTZENBERG, PHILIPPE, 1849-, and H. FISCHER. Mollusques

et brachiopodes. Bruxelles, 1910. 1 p. l., v, 25 p. map. (Orléans, Louis Philippe Robert, Duc d'. Campagne arctique de 1907. no. 2) *Title etc. tr.*: Molluscs and brachiopods. (Duke of Orléans Arctic Expedition, 1907)

List, with synonyms, references, and locations in Barents and Kara Seas, of thirty-nine species collected from the *Belgica*, with a bibliography (8 items). *Copy seen:* DSI-M.

3683. DAUTZENBERG, PHILIPPE, 1849-, and H. FISCHER. Mollusques et brachiopodes recueillis en 1908 par la Mission Bénard dans les mers du nord. (Nouvelle-zemble, Mer de Barents, Mer Blanche, Océan Glacial, Norvège, Mer du Nord). (Journal de conchyliologie, 1911. Ser. 4, t. 13 (t. 59) p. 1-51) *Title tr.*: Molluscs and brachiopods

collected by the Bénard Expedition 1908, in arctic seas (Novaya Zemlya, Barents Sea, White Sea, Arctic Ocean, Norway, and North Sea). Preliminary report on this collection appeared in Paris, Museum national d'histoire naturelle, Bulletin, 1911. T. 17, p. 143-46.

Annotated list, with synonyms, references and localities of seventy-three species. *Copy seen:* DSI-M.

3684. DAVENPORT, DEMOREST. A new American *Coenonympha* (Lepid. Satyridae). (Canadian entomologist. Apr. 1936. v. 68, p. 79)

Coenonympha tiphon mackenziei, a butterfly, compared with other subspecies of Mackenzie District.

Copy seen: DSI-M.

DAVENPORT, ROYAL WILLIAM, 1885-, *see* Ellsworth, C. E., & others. Water-power reconnaissance S. Alaska. 1915.

DAVENPORT, ROYAL WILLIAM, 1885-, *see* Ellsworth, C. E., & R. W. Davenport. Surface water supply Yukon-Tanana region. 1915.

DAVENPORT, ROYAL WILLIAM, 1885-, *see* Porter, E. A., & R. W. Davenport. Discharge of Yukon River at Eagle. 1915.

3685. DAVEY, E. R. Tests on Onakawana fire clays (Canadian Ceramic Society. Journal, 1932. v. 1, no. 1, p. 40-46)

Contains results of laboratory tests of the physical and chemical properties of clays from the Abitibi River lignite field. *Copy seen:* DGS.

3686. DAVEY, J. W. The fall of Torn-gak, or the Moravian Mission on the coast of Labrador. London, Partridge, 1905. 288 p. 16 plates incl. ports., map.

Contains a history of the mission and notes on the Eskimos' native religion, with brief description of their language, food, dress, dwellings, and occupations.

Copy seen: NNSStef.

3687. DAVID, LORE R., and HOWARD R. HILL. Alaskan fishes caught in shrimp trawls. (Southern California Academy of Sciences. Bulletin, 1938, pub. 1939. v. 37, p. 141-45)

Annotated list of forty species of fishes taken in offshore waters of southeastern Alaska.

Copy seen: DGS.

3688. DAVIDSON, CARL E. The farmers will come. (Alaska life, Jan. 1945. v. 8, no. 1, p. 22-28, illus.)

General discussion of the short season, soil, climate, crops, and transportation difficulties as factors in the Alaskan agricultural situation.

Copy seen: DLC.

3689. DAVIDSON, DANIEL SUTHERLAND, 1900- . Snowshoes. Philadelphia, 1937. x, 207 p. incl. tables. illus., 15 maps. (American Philosophical Society. Memoirs, v. 6)

Comprehensive study of the significance of the snowshoe in history, its traits and distribution, variation in construction, comparisons and correlation; with a tribal index to snowshoe traits, and a bibliography (118 items).

Appendix: Notes on snowshoe construction and netting techniques.

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3690. DAVIDSON, FREDERICK AL-EXANDER, 1897- , and others. Factors influencing the upstream migration of the pink salmon (*Oncorhynchus gorbuscha*). (Ecology, Apr. 1943. v. 24, p. 149-68, diagrs.)

This salmon was studied by the author in two southeastern Alaskan creeks found from the Columbia River to Bering Sea. He gives data on the similar physiographic and physicochemical characteristics of the two streams, with the conclusion that the difference in migrations may be due to inherent or instinctive behavior.

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3691. DAVIDSON, FREDERICK AL-EXANDER, 1897- . Why it's important to protect our salmon. (Alaska life, Feb. 1939. v. 2, no. 1, p. 8-9, 18, illus.)

Discussion of negative results in transplanting salmon, which proved the North Pacific to be its natural habitat, and notes on need for conservation.

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3692. DAVIDSON, FREDERICK AL-EXANDER, 1897- , and L. S. CHRISTEY. The migrations of pink salmon (*Oncorhynchus gorbuscha*) in the Clarence and Sumner Straits regions of southeastern Alaska. (U. S. Fish and Wildlife Service. Bulletin of the U. S. Bureau of Fisheries, 1940. v. 48, p. 643-66, incl. tables, sketch map, diagrs. plate)

Copy seen: DF.

3693. DAVIDSON, GEORGE, 1825-1911. The Alaska boundary. San Francisco, Alaska Packers Association, 1903. 235 p. port., 2 fold. maps.

Well documented paper covering the boundary dispute from the Russo-British treaty, 1825, to the decision of the Alaska Boundary Tribunal, 1903. Includes chapters on discovery and exploration of Alaska, the older maps, the geography of Southeast Alaska, and conventions and treaties.

Copy seen: DLC; NNSStef.

3694. DAVIDSON, GEORGE, 1825-1911. Copper River of Alaska. (Geographical Society of the Pacific. Transactions and proceedings, 1902. Ser. 2, v. 1, p. 45-50)

Account of the history of the name Atna, as applied to the Copper River, with reference to early Russian, American and Indian usages.

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3695. DAVIDSON, GEORGE, 1825-1911. The eruption of the volcano Veniaminof, Peninsula of Alaska. (Geographical Society of the Pacific. Transactions and proceedings, 1892. Ser. 1, v. 3, p. 59-62, fold. map)

Discussion of the position of Veniaminof Crater based on early Russian geographers, and an account (in brief) of the eruption based on local reports.

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3696. DAVIDSON, GEORGE, 1825-1911. The glaciers of Alaska that are shown on Russian charts or mentioned

in older narratives. San Francisco, Calif., 1904. 98 p. 11 fold. maps. (Geographical Society of the Pacific. Transactions and Proceedings. Ser. 2, v. 3)

Description (beginning with Aleutian Islands and working northeast, east, and southeast) of the occurrence of glaciers as shown by Capt. Tebenkov (Imperial Russian Navy) in his *Atlas of the Northwest Shores of America*, and *Hydrographical notes to the Atlas*, St. Petersburg, 1852, q.v. Includes mention of glaciers in the Aleutian Islands, on the Alaska Peninsula, in Cook Inlet, on Kenai Peninsula, in Prince William Sound, Copper River region, Icy Bay, Yakutat Bay, Glacier Bay, Lynn Canal, Portland Canal, and the Malaspina Glacier.

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3697. DAVIDSON, GEORGE, 1825-1911. Lynn Canal and Taiyá Inlet. (Geographical Society of Philadelphia. Bulletin, 1900, v. 2, p. 108-114, plate)

General description of the physiography of Lynn Canal and Dyea Inlet and the regional climate.

Copy seen: DLC.

3698. DAVIDSON, GEORGE. 1825-1911, and others. Report relative to the resources and the coast features of Alaska Territory. (U. S. Coast and Geodetic Survey. Annual report, 1867, pub. 1869. Appendix no. 18, p. 187-329, 3 fold. charts, 1 map, tables) Report of the U. S. Coast Survey geographical reconnaissance party, on the U. S. Revenue Cutter *Lincoln*, July 21-Nov. 18, 1867, which surveyed Sitka Harbor, St. Paul Harbor (Kodiak Island) and Iliuliuk and Captains Bays (Unalaska Island).

Contains account (by Davidson) of the activities of the party, descriptions of the south and southeastern coasts, the ocean current system of the North Pacific and Bering Sea, the climate of the regions visited, their products, inhabitants, and (in detail) the harbors, bays, etc.

Appendices: A. Geographical positions of four hundred twenty-four places (chiefly from Russian authorities).

B, C, D. Davidson, G. Aids to navigation in Sitka Sound, approaches to St. Paul Harbor (Kodiak), and to Unalaska Bay.

E. BLAKE, T. A. General topographical and geological features of the northwestern coast of America, from the Straits of Juan de Fuca to the parallel of sixty degrees North latitude.

F. HARFORD, W. G. W. Zoology collections.

G. Vocabulary of the languages of the natives of Kodiak, Unalaska, Kenai, and Sitka (from Lisianskii's voyage round the world, 1803-06).

H. I. J. K. Meteorological records: Sitka (1847-62); Iliuliuk (1825-34, 1866-67); Makuskin volcanic ascent (Sept. 7-11, 1867); daily records Sitka (May 1-Sept. 29, 1867).

L. M. KELLOGG, A. Botany (text and list).

N. Comparative vocabulary, upon the plan adopted by the Smithsonian Institution (English, Spanish, French, Latin, Alaskan).

Charts: Sitka Harbor, St. Paul Harbor, Iliuliuliuk and Captain's Harbors.

The papers by Blake, Harford, and Kellogg appear in this Bibliography under the authors' names.

Copy seen: DLC.

3699. DAVIDSON, GEORGE, 1825-1911. The tracks and landfalls of Bering and Chirikof on the northwest coast of America, from the point of their separation in latitude 49°10', longitude 176°40' west, to their return to the same meridian, June, July, August, September, October, 1741. (Geographical Society of the Pacific. Transactions and proceedings, 1902. Ser. 2, v. 1, p. 1-44, front (port.) fold. chart)

Contains notes on the political situation in Russia (1730-1741) about the time of the Bering voyages, the building of the vessels, the subsequent voyages of the *St. Paul* and *St. Peter*, Bering's explorations and survey of Shumagin Islands, and the disaster to Chirikov's boats and men; with comment throughout on the differences of opinion, by subsequent explorers, on the actual tracks and landfalls.

Copy seen: DGS.

3700. DAVIDSON, GEORGE, 1825-1911. Volcanic eruption in the Bering Sea. (American Geographical Society. N. Y. Journal (Bulletin), 1890. v. 22, p. 267-72)

Information released by the U. S. Coast and Geodetic Survey in June

1890, concerning the eruption of Bogoslof on the 10th, 17th, and 22d of February 1890; with chronological list of volcanic activity of Bogoslof and neighboring volcanoes on nearby Aleutian Islands, 1768-1888.

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DAVIDSON, GEORGE, 1825-1911, see also Pavy, O. Remarks on polar regions. 1873.

3701. DAVIDSON, GORDON CHARLES, 1884-1922. The North West Company. Berkeley, 1918. xi, 349 p. 5 fold maps (incl. front.) California. University. Publications in history. Issued also as Ph.D. thesis to the University of California, 1916.

History of the Northwest Co. from its formation (1779-83) as a pool of fur trading companies and individuals with headquarters in Montreal, till its absorption by the Hudson's Bay Co. in 1821. Account of explorations by its wintering partners and employees, the fur trade, trading methods, competition with the Hudson's Bay Co. Based largely on original manuscript and obscure pamphlet sources, represented in extracts appended to the text, and in the bibliography (86 items). Includes general index to geographic names.

Copy seen: DLC.

3702. DAVIDSON, VIOLA M. Biological and oceanographic conditions in Hudson Bay. 5, Planktonic diatoms in Hudson Bay. (Canada. Biological board. Contributions to Canadian biology and fisheries, 1931. New ser. v. 6, p. 491-509, 12 maps)

List, with discussion and distribution maps, of eighteen species taken in surface catches made by Hudson Bay Fisheries Expedition in S.S. *Loubyrne*, Aug.-Sept. 1930. *Copy seen:* DLC.

3703. DAVIES, FRANK T. Aurora at Churchill, Manitoba, during 1943-4. February 1945. Ottawa, 1945. p. 1, 8, [12] l. (8 tables, 4 diagrs.) (Canadian Radio Wave Propagation Committee. I/P 3)

Based on hourly observations of the intensity, type and direction of aurora, made during all hours of darkness, Aug. 1943 to end of 1944, at the Ionospheric Station, Churchill; report on maximum auroral frequency and on diurnal change in position of the line of maximum frequency; annual and

diurnal variation in auroral form and activity, range of visibility and the auroral zone. *Copy seen:* CaMAI.

DAVIES, FRANK T., see also Canada. Meteorological Service. Canadian polar year expeditions. 1932-1933. 1939-40.

3704. DAVIES, IRENE. Sub-Arctic odyssey. (Royal Canadian Mounted Police quarterly. Apr. 1948. v. 13, p. 355-66, illus.)

Account by the wife of a member of the R.C.M.P., of an inspection trip Aug. 1947, from Moose Factory (James Bay) along the east coast of the James and Hudson Bay to Richmond Gulf and Belcher Islands (Hudson Bay). Includes comments on the Eskimos of the region. *Copy seen:* CaOM.

3705. DAVIES, RAYMOND ARTHUR, 1908- Arctic Eldorado; a dramatic report on Canada's northland, the greatest unexploited region in the world, with a workable four year plan. Toronto, Ryerson Press [1944] xiii, 97 p.

Journalist's report on the Alaska Highway, Canol Project, the Mackenzie River, airlines, mineral resources, agriculture, transportation and social services in the Canadian North.

Copy seen: DLC; NNStef.

3706. DAVIES, W. H. A. Notes on Esquimaux Bay and the surrounding country. (Literary and Historical Society of Quebec. Transactions, 1843. v. 4, pt. 1, p. 70-94)

Description of the Hamilton Inlet region, and of Hamilton (Grand) River, including notes on the Eskimos and white people. *Copy seen:* CaO.

3707. DAVIES, W. H. A. Notes on Ungava Bay and its vicinity. (Literary and Historical Society of Quebec. Transactions, 1854. v. 4, pt. 1, p. 119-37)

Description of the coasts of the Bay, the rivers, lakes, and country around it, the Eskimos and Indians in its vicinity, and a brief history of its exploration. *Copy seen:* CaO.

3708. DAVIS, A. F. Construction of the antarctic snow cruiser. (Automotive industries, Sept. 15, 1939. v. 81, p. 266-67, illus.)

Notes on building, control, and design of the snow cruiser, which was designed by the staff of the Research

Foundation of Armour Institute of Technology, Chicago under direction of T. C. Poulter. *Copy seen:* DLC.

3709. DAVIS, CHARLES ALBERT, 1861-1916. The preparation and use of peat as fuel. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1909. Bulletin, 1910. No. 442, p. 101-132)

Contains notes on distribution of peat in Alaska, methods of estimating and working the deposits in Alaskan conditions, and on use of peat for fuel in Alaska. Description (in detail) of technology of peat. *Copy seen:* DGS.

DAVIS, CHARLES HENRY 1807-1877, *see* U. S. Navy Dept. Narrative of North Polar Expedition, *Polaris*. 1876.

3710. DAVIS, D.H.S. The animal communities of Akpatok Island. The Oxford University Exploration Club's Expedition, 1931, Appendix 2. (Geographical journal, Sept. 1932. v. 80, p. 227-29)

Brief summary of the studies on (1) sea, shore, and cliff communities, (2) fresh-water communities, and (3) land communities. Includes mention of the birds, insects and mammals on and around the island, and the invertebrates of the sea. *Copy seen:* DLC.

3711. DAVIS, D.H.S. A reconnaissance of the fauna of Akpatok Island, Ungava Bay. (Journal of animal ecology, Nov. 1936. v. 5, p. 319-32, plate) Results of the Oxford University Hudson Strait Expedition, 1931.

Contains results of reconnaissances made toward the end of the summer, when birds had finished nesting, the flowering plants had finished blooming and many insects, particularly certain flies, had perished or gone into hibernation. Describes the plateau, valley, fresh-water, shore-line and cliff communities, with lists for each, of the mammals, birds, arachnids, insects, and other invertebrates, also a brief discussion, and a bibliography (16 items).

Copy seen: DA.

DAVIS, GWILYM GEORGE, 1857-1918, *see* Keely, R. N., & G. G. Davis. In arctic seas. Narrative of Peary Expedition. 1892.

DAVIS, GWILYM GEORGE, 1857-1918, *see* Keely, R. N., & G. G. Davis. In arctic seas. Voyage of Kite Peary Expedition. 1892, 1893.

3712. DAVIS, MARY LEE (CADWELL) Alaska, the great bear's cub, illustrated by pen and ink illustrations by Olaus Johan Murie and author's photographs. Boston, W. A. Wilde Co., [1930] 314 p. front. (port.) illus., 14 plates, maps on lining-papers.

Popular sketches of Alaska's wild-life, and of Eskimo and Indian lore.

Copy seen: DLC; NNStef.

3713. DAVIS, MARY LEE (CADWELL) Sourdough gold, the log of a Yukon adventure. Boston, W. A. Wilde Co., [c1933] 351 p. front., plates, ports, maps (1 fold).

The story of a man who went to the Klondike in 1898, based on journals of his year in Dawson and his trip down the Yukon River to its mouth.

Copy seen: DLC; NNStef.

3714. DAVIS, MARY LEE (CADWELL) Uncle Sam's attic, the intimate story of Alaska. Boston, Mass., W. A. Wilde Co., [c1930] xvi, 402 p. incl. front. 28 plates, (incl. maps) maps on lining-papers.

Popular description of Alaska, the people, cities, resources, and development, with chapters on history, the Gold Rush, totems, and climate.

Copy seen: DLC; NNStef.

3715. DAVIS, MARY LEE (CADWELL) We are Alaskans, illustrated by author's photographs and sketches by Olaus J. Murie. Boston, Mass., W. A. Wilde Co., [1931] xi, 335 p. 29 plates.

About Alaska's people; the Eskimos, prospectors, Tlingit Indians, and Mt. McKinley. *Copy seen:* DLC; NNStef.

3716. DAVISON, CHARLES, 1858- On deposits from snowdrift, with especial reference to the origin of loess and the preservation of mammoth-remains. (Geological Society of London. Quarterly journal, Aug. 1894. v. 50, p. 472-87)

Includes a description of the formation and nature of snowdrift deposits, and the origin of underground ice, with a bibliography.

Copy seen: DGS.

3717. DAVYDOV, D. Prodvizhenie kartofel'ia na Krainii Sever. (Sovetskii Sever, 1935. T. 6, vyp. 2, p. 35-38) *Title tr.:* The advance of potatoes in the far North.

Contains discussion of possibility of potato culture in arctic regions of U.S.S.R., choice of soil fertilizers, methods and season of potato growing.

Copy seen: NN.

3718. DAVYDOV, GAVRIL IVANOVICH, 1784-1809. Dvukratnoe puteshestvie v Ameriku morskikh ofitserov Khvostova i Davydova, pisannoe sim poshlednim. S.-Peterburg, Morskaiâ tipografiâ, 1810-12. 2 v.: xlv, 287 p.; xxviii, 224 p. *Title tr.:* Two voyages to America by the naval officers Khvostov and Davydov, written by the latter.

Contains an introduction by Vice-Admiral Shishkov, giving a biographical sketch of Khvostov and Davydov and a short account of their two voyages to America in 1802-1804 and 1804-1807, on behalf of the Russian American Co. v. 1, p. i-xlv.

Narrative by Davydov of his trip with Khvostov in 1802-1804, from St. Petersburg across Siberia to Okhotsk and on the *Sv. Elizaveta* to Kodiak Island and return to St. Petersburg; information on the activities of Russian American Co., and its manager, Baranov, v. 1, p. 1-287.

Description of Kodiak natives, called by the author "Kolûzhi" and "Koniagi" (probably Tlingit Indians and Eskimos) their physical features, dress, dwellings, boats, character, education, rites and customs, food, burials, religion, nuptial rites, games, dances, songs, history, geography, arithmetic, astronomy, handicrafts, warfare, treatment of prisoners, social organization, etc., v. 2, p. 1-133, 144-55. Description of the "Kinaitsy" (Tanaina Indians) and their hunting, v. 2, p. 133-44.

Kodiak Island, its climate, soil, resources, wildlife, etc., v. 2, p. 150-58; the animals, birds, fishes, shell-fish of northwest America, v. 2, p. 159-224.

Tlingit and Aleut vocabularies with Russian equivalents v. 2, p. i-xxxvii at end.

Copy seen: DLC.

DAVYDOV, GAVRIL IVANOVICH, 1784-1809, *see also* Kruzenshtern, I. F. Wörter-Sammlungen. 1813.

DAVYDOV, GAVRIL IVANOVICH, 1784-1809, *see also* Pekarskiî, E. K. Iz âkutskoi stariny. (v. 17, vyp. 4) 1908.

3719. DAVYDOV, LEV KONSTANTINOVICH. Prilivy v bukhte Grinkharbar na ostrove Shpitsbergen. (Pro-

blemy Arktiki, 1938, no. 5-6, p. 33-37, tables) *Title tr.:* Tides in Green Harbor Bay on Spitsbergen Island.

Results of calculation of tides carried out in the Arctic Institute according to records of a tide gage at the Barentsburg Polar Station, West Spitsbergen, Oct., 1934-Sept. 25, 1935.

Copy seen: DLC.

3720. DAVYDOV, LEV KONSTANTINOVICH. Vskrytie rek arkticheskoi i subarkticheskoi zony. (Problemy Arktiki, 1939, no. 1, p. 15-31, 2 maps, diagr.) *Title tr.:* Data on the opening of rivers in the arctic and subarctic zones of the U.S.S.R.

Data (the average, earliest and latest annual dates) on the freezing and opening of the more important rivers of the U.S.S.R., computed and charted (isochronic charts p. 20-21) on the basis of available observational material prior to 1938, from a network of forty-eight river stations (coordinates given) in northern Asiatic U.S.S.R.; with some general discussion.

Copy seen: DLC.

3721. DAVYDOV, V. V. Teoreticheskoe issledovanie udara korablâ o l'dinu. (Problemy Arktiki, 1938, no. 5-6, p. 103-124, diagrs.) *Title tr.:* Theoretical analysis of the impact of ship against ice.

Preliminary theoretical study of the problem with the aim of giving a direction to impact tests and observations on ice-breakers during the expeditions in 1938-39.

Copy seen: DLC.

3722. DAVYDOVA, M. A. Klimaticheskaiâ kharakteristika avialinii Tiûmen'-Novyi Port. Leningrad, 1938. 97, [1] p., maps, diagrs. (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy. T. 116. Materialy po klimatologii polârnnykh oblastei SSSR, vyp. 8) *Title tr.:* Climatological characteristics of the air route Tiûmen-Novyi Port.

Climatological conditions affecting the aerial navigation along the airway (between Tyumen and Novyi Port on the Gulf of Ob) and at terminals. Based on observations prior to 1936.

Copy seen: DLC.

DAVYDOVA, M. A., *see also* Rusinova, I. L., & M. A. Davydova. Meteorologicheskie nablûdeniâ Severozemel'skoi Èkspeditzii. 1936.

3723. DAWSON, CARL ADDINGTON. The new North-West. Arctic survey. 6. (Canadian journal of economics and political science, Nov. 1945. v. 11, p. 578-600) Reprinted (with 2 maps) in: Dawson, C. A., ed., The new North-West, 1947, pt. 11, p. 283-311.

In the summer of 1944, the author surveyed the region north from Peace River to the Arctic Ocean, and from a line between Waterways and Coronation Gulf on the east, to the Alaska Highway on the west; also that part of Alaska served by the Alaska Railroad and highway network between Fairbanks and Anchorage. In this paper he discusses the potentialities for settlement of this region, treated in sections: (1) Alaska Highway and adjoining territory, including subsidiary agriculture, (2) the Mackenzie Basin (new industrial towns, gold mining at Yellowknife, oil at Norman Wells; agriculture and lumbering) (3) agriculture in Matanuska Valley; and brief mention of Indians in the whole region. *Copy seen:* DLC.

3724. DAWSON, CARL ADDINGTON, editor. The new North-West. Toronto, Univ. of Toronto Press, 1947. x, 341 p. illus., 20 plates, 37 sketch maps.

The results of a survey in 1944, of Northwest Territories, and (to a lesser extent) Yukon Territory, sponsored by the Canadian Social Science Research Council.

Contents: Pt. 1. LINGARD, C. C. Administration of the northland.

*Pt. 2. TAYLOR, G. A Mackenzie domesday: 1944. (Originally pub. 1945).

*Pt. 3. TAYLOR G. A Yukon domesday: 1944. (Originally pub. 1945).

Pt. 4. BRUCE, E. L. Mineral industry of the North-West.

Pt. 5. ROBINSON, W. J., and J. L. ROBINSON. Fur production in the North-West. (Originally pub. 1946).

Pt. 6. DICKSON, W. Northern agriculture.

Pt. 7. HEWETSON, H. W. Transportation in the North-West.

*Pt. 8. WHERRETT, G. J. Health conditions and services in the North-West. (Originally pub. 1945).

*Pt. 9. MOORE, A. Education in the Mackenzie District. (originally pub. 1945).

Pt. 10. URQUHART, J. A. Eskimos

of the Canadian western Arctic. (Originally pub. 1937).

*Pt. 11. DAWSON, C. A. The new North-West. (Originally pub. 1945).

Pt. 12. MITCHELL, E. A. Bibliography of the Canadian North.

*These five parts were originally published in the Canadian journal of economics and political science, 1945, as *Arctic Survey*; two other parts, elsewhere, and five published here for the first time. Each of these papers appears in this Bibliography under its author's name. *Copy seen:* DLC.

3725. DAWSON, GEORGE MERCER, 1849-1901. The extinct northern seacow, and early Russian explorations in the North Pacific. (Canadian field naturalist, Jan. 1894. v. 7, p. 151-61)

Historical sketch of the Russian opening of the Aleutian Islands, their fur trade practices, and extermination of *Rytina stelleri*. *Copy seen:* DLC.

3726. DAWSON, GEORGE MERCER, 1849-1901. Extracts from the Report on an exploration made in 1887 in the Yukon District N.W.T. and adjacent northern portion of British Columbia. (*In:* Dall, W. H., and others. The Yukon Territory, 1898. p. 243-381, illus., 10 plates)

A party under the author's leadership, ascended the Stickine River, traveled overland to Dease Lake, down Dease River to the Liard, thence via Liard and Frances Rivers to Frances Lake, which they mapped; made a portage to the upper Pelly, descended that river to the Lewes, ascended it, crossed Chilcoot Pass and reached the coast at the head of Lynn Canal.

These extracts are notes on geology, ore deposits, the Indians, and (in detail) the physical geography of the region traversed. *Copy seen:* NNSf.

3727. DAWSON, GEORGE MERCER, 1849-1901. Geological notes on some of the coasts and islands of Bering Sea and vicinity. (Geological Society of America. Bulletin, Feb. 1894. v. 5, p. 117-46)

Based on the author's observations made incidentally, while a member of the British commission of the Bering Sea fur seal dispute. Brief information, largely of a physical geographic nature, on some of the Aleutian Islands, the Commander Islands, Kamchatka,

Pribilof, Nunivak, St. Matthew, Hall, Pinnacle, and St. Lawrence Islands, Cape Vancouver (Nelson Island), and Plover Bay (Chukotsk Peninsula); with general remarks on the Bering Sea. *Copy seen: DLC.*

3728. DAWSON, GEORGE MERCER, 1849-1901. Notes on the geology of Middleton Island, Alaska. (Geological Society of America. Bulletin, 1893. v. 4, p. 427-31)

Results of a study of the rock specimens provided by J. M. Macoun, who visited the island in 1892, and who submitted a written description of the island (quoted herein), with remarks on its probable geologic history. *Copy seen: DGS.*

3729. DAWSON, GEORGE MERCER, 1849-1901. Notes on the occurrence of mammoth-remains in the Yukon district of Canada and in Alaska. (Geological Society of London. Quarterly journal, Feb. 1894. v. 50, p. 1-9)

Remarks on the discovery of remains of mammoth in the Yukon River valley, and discussion of the limits of occurrence, the origin of ground ice and the probability of a land bridge between Asia and America in ancient time. *Copy seen: DGS.*

3730. DAWSON, GEORGE MERCER, 1849-1901. Notes on the ore-deposit of the Treadwell mine, Alaska. (American geologist, Aug. 1889. v. 4, p. 84-88)

Description of a gold deposit on Douglas Island, visited by the author, 1887. *Copy seen: DGS.*

3731. DAWSON, GEORGE MERCER, 1849-1901. Note to accompany a geological map of the northern portion of the Dominion of Canada, east of the Rocky Mountains. Montreal, Dawson Brothers, 1887. 62 p. fold. col. map. (Canada. Geological Survey. Annual report, 1886. Pt. R)

Contents: Introductory notes on the geological formations as a whole, p. 1-13. Mackenzie River region, p. 13-29. Arctic coast and adjacent lands east of the Mackenzie to Hudson Bay (including Ungava Peninsula and Baffin Island), p. 29-42. The arctic archipelago, p. 42-51. Ellesmere Land, Grinnell Land and neighboring coast of North Greenland, p. 51-56. Direction of ice movement in the glacial period, p. 56-58. List of principal works consulted in preparation of the map, p. 59-62.

The map is a systematic compilation from the then available sources, interpreted on a uniform plan, rather than the result of the Geological Survey's field work alone.

Copy seen: DLC.

3732. DAWSON, GEORGE MERCER, 1849-1901. On some of the larger unexplored regions of Canada. (Canadian field naturalist, May 1890. v. 4, p. 29-40, fold. map)

Paper read before the Ottawa Field Naturalists' Club, showing the area of the (then) unexplored regions.

Copy seen: DLC.

3733. DAWSON, GEORGE MERCER, 1849-1901. Report on an exploration in the Yukon district, N. W. T., and adjacent northern portion of British Columbia. 1887. Montreal, Dawson Brothers, 1888. 277 p. front., illus., 5 plates, 4 fold. maps. (Canada. Geological Survey. Annual report, 1887. Pt. B)

Results of the Canadian Yukon Expedition, 1887, under G. M. Dawson, for exploration and survey in the Yukon district, and for determination of the point at which Yukon or Pelly River crosses the 141st meridian. Summary of the expedition's organization, itinerary, and work; orography and general features (including nomenclature, size, discharge, etc.) of Pelly and Lewes Rivers and tributaries, navigability and routes, climate, flora, fauna, mining and minerals, fur trade, and economic importance; general geology (including results of glaciation and volcanic action); upper Liard River; Frances River and Lake; country between Frances Lake and Pelly River; upper Pelly River (including Hoole canyon, Ross River, Glenyon River, Macmillan River); confluence of the Lewes and upper Pelly; Lewes River (including Little Salmon River, Big Salmon River, Teslinto (Newberry) River, Lake Labarge, Tahkeena River, Lake Marsh, Tagish, Bennett and Lindeman Lakes); exploration and prospecting on the Lewes, and gold mining in upper Yukon basin.

Appendices: 1. Distribution of trees and certain shrubs in the Yukon. 2. The Indian tribes. 3. Macoun, J. List of plants collected by Dr. G. M. Dawson in the Yukon (two hundred one species). 4. Zoology. Fletcher, James. List of diurnal Lepidoptera; Bean, T. H.

Fishes; Merriam, C. H. A new red-backed mouse. 5. Adams, F. D. Lithological character of some of the rocks. 6. Meteorological observations (made en route). 7. Summary of astronomical observations, employed in construction of the map. *Copy seen:* DLC.

3734. DAWSON, GEORGE MERCER, 1849-1901, and R. G. McCONNELL. Report of an exploration in the Yukon district, N. W. T., and adjacent northern portion of British Columbia, 1887, by George M. Dawson, with extracts relating to the Yukon district from Report on an exploration in the Yukon and Mackenzie basins, 1887-88, by R. G. McConnell. Ottawa, Printed by S. E. Dawson, 1898. viii, 244 p. illus., 8 plates (incl. front) 3 fold. maps.

Contains a reprint (without appendices) of Dawson's *Report on an exploration in Yukon district [etc.] 1887*, q.v. p. 1-183; and extracts relating to the Porcupine and Pelly Rivers, from McConnell's *Report on an exploration in the Yukon [etc.] 1887-88*, q.v. p. 185-244.

Map in three sheets includes additions from surveys made between 1887 and 1898. *Copy seen:* DGS.

DAWSON, GEORGE, MERCER, 1849-1901, see also Whiteaves, J. F. On some Cretaceous fossils North West Territory. 1889.

DAWSON, HENRY P., see International Polar Year. 1st, 1882-1883. British Expedition to Fort Rae. Observations of Polar Expeditions. 1886.

3735. DAWSON, Sir JOHN WILLIAM, 1820-1899. The Canadian ice age: being notes on the Pleistocene geology of Canada, with especial reference to the life of the period and its climatal conditions. Montreal, W. V. Dawson, 1893. vi p., 2 l., 301 p. illus., 3 plates, 4 maps, diagr.

Also issued by McGill University as Peter Redpath Museum Memoir, 1893; and by W. V. Dawson as a trade edition, Montreal, New York and London, 1894.

Contains chapters on the deposits, the physical work of ice and tides, and on local details, with lists of Pleistocene fossils. The area includes Labrador (but otherwise more southerly regions). *Copy seen:* DGS.

3736. DAWSON, Sir JOHN WILLIAM, 1820-1899. Notice of Tertiary fossils from Labrador, Maine, etc., and remarks on the climate of Canada in the newer Pliocene Pleistocene period. (Canadian naturalist, June, 1860. v. 5, p. 188-200, illus.)

A discussion of twenty-two fossil species (including seven Foraminifera) from Tertiary Bay, Labrador, as to their occurrence elsewhere in Canada, in the Pleistocene period, and as living forms, with a section on geological climate. *Copy seen:* DGS.

3737. DAWSON, WILLIAM BELL, 1854- Tidal investigations and results. Ottawa, King's Printer, 1920. 13 p. fold. map. (Canadian Arctic Expedition, 1913-1918. Report. v. 10: Plankton, hydrography, tides, etc., Pt. C)

Synopses of observations, made in 1914-15, from Collinson Pt., Alaska, around the Beaufort Sea to Cape Kellett on Banks Island; and in 1916, from Cape Isachsen and Hassel Sound on Ellef Ringnes Land; with discussion. *Copy seen:* DSI-M.

3738. DAWSON, WILLIAM BELL, 1854- The tides of Hudson Bay. (Royal Astronomical Society. Journal, 1914, v. 8, p. 98-107)

Rather general discussion of tidal theory and notes on the tides of Hudson Strait and Bay.

Copy seen: DLC.

3739. DAWSON, WILLIAM LEON, 1873- The tufted puffin. (Bird-lore, July-Aug. 1913. v. 15, p. 268-71, plate) National Association of Audubon Societies Educational leaflet no. 69.

Notes on habits, burrows, breeding and appearance of the "sea parrots" whose wide range centers in the Aleutian and Commander Islands.

Copy seen: DSI-M.

3740. DAY, LUELLA. The tragedy of the Klondike; this book of travels gives the true facts of what took place in the gold-fields under British rule. New York, 1906. 3 p. l., 5-181 p. plates, port.

A personal view, said to be exaggerated. *Copy seen:* DLC; NNStef.

3741. DAY, PRESTON CLAIRSVILLE. Monthly normals of sea-level pressure for the United States, Canada, Alaska [etc.] (U. S. Weather Bureau. Monthly weather review, Jan. 1924. v. 52, p. 34-5, tables)

Monthly average values of sea-level pressure at twelve stations (morning and evening values) are tabulated.

Copy seen: DLC.

3742. DAY, RICHARD. The effect of cold on man. [New York] 1943. 64 p. (Josiah Macy, Jr. Foundation. Publications; review series. v. 1, no. 2)

Contains a summary of facts, drawn from published sources, on the defense mechanism of the body against a lowering of body temperature, and the results of the breakdown of these mechanisms (including frostbite); bibliography (231 items).

Copy seen: NNA.

3743. DEANE, LESLIE. It's safe to go ahead. (Alaska sportsman, Aug. 1938. v. 4, no. 8, p. 20-23, 28, 30, illus.)

Account of lighthouses, beacons and aids to mariners along the coasts of Alaska, with notes on their keepers, types of equipment and history.

Copy seen: DLC.

3744. DeARMOND, ROBERT NEIL, 1911- . Alaska's panhandle. (Alaska life, Jan. 1948. v. 11, no. 1, p. 4-5, 14-15, illus.)

General description of the physical features, traffic on the waterways, and industrial potential of Southeast Alaska, by an editor of *Alaska life*.

Copy seen: DLC.

3745. DeARMOND, ROBERT NEIL, 1911- . The army takes the Sitka census. (Alaska life, Nov. 1945. v. 8, no. 11, p. 30-35, illus., tables)

Historical note on Sitka in 1870 and 1881, its population, business and activities.

Copy seen: DLC.

3746. DeARMOND, ROBERT NEIL, 1911- . Names make the map. (Alaska life, Aug. 1949. v. 12, no. 4, p. 6-7)

Discussion of anomalies among geographic names in Alaska, and their origins.

Copy seen: DLC.

3747. DeARMOND, ROBERT NEIL, 1911- . The wreck of the *James Allen*. (Alaska life, Dec. 1945. v. 8, no. 12, p. 15-18)

Detailed account of the wreck of a whaling bark on Aglidak Island reefs in May 1894, and the ultimate fate of the men aboard her.

Copy seen: DLC.

3748. DEARNESS, JOHN, 1852- . Fungi. Ottawa, King's Printer, 1923. 24 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 4: Botany, Pt. C)

List, with descriptions, notes on habitats, and locations, of sixty-seven (including twelve new) species from the arctic coast of North America, west of the 100th meridian, and a list of host plants.

Copy seen: DSI-M.

DEARNESS, JOHN, 1852- , *see also* Soper, J. D., & others. Faunal investigation southern Baffin Island. 1928.

3749. DEASE, PETER WARREN, 1783-1829, and **THOMAS SIMPSON.** An account of arctic discovery on the northern shore of America in the summer of 1838. (Royal Geographical Society. Journal, 1839. v. 9, p. 325-30)

A letter, dated Fort Confidence, Great Bear Lake, Sept. 15, 1838, to the governor, Hudson's Bay Co., who communicated it to the Society. It contains the narrative of a boat journey up the Dease River from Great Bear Lake, down the Kendall and Coppermine Rivers and along the coast eastward, across Coronation Gulf and Bathurst Inlet to Kent Peninsula (Point Turnagain); also Thomas Simpson's narrative of his overland journey around Kent Peninsula to beyond Trap Point, and return. Includes notes on ice conditions.

Copy seen: DLC.

3750. DEASE, PETER WARREN, 1783-1829, and **THOMAS SIMPSON.** An account of the recent arctic discoveries by Messrs. Dease and T. Simpson. (Royal Geographical Society. Journal, 1838. v. 8, p. 213-25)

A letter dated Fort Norman, Sept. 5, 1837, to the governor of the Hudson's Bay Co., who communicated it to the Society. It contains notes on the Eskimos, the natural history, the ice conditions, and the nature of the coast from Mackenzie delta to Point Barrow, as observed during a boat trip as far as "Cape George Simpson," 71°3'N. 154°26'W., during the summer of 1837.

Copy seen: DLC.

3751. DEBENHAM, FRANK, 1883- . Bering's last voyage. (Polar record, July 1941. v. 3, p. 421-26, plate)

To mark the bicentenary year of the voyage, the author recounts the hardships and difficulties experienced by

Bering and makes some remarks on Steller's notes. *Copy seen:* DLC.

3752. DEBENHAM, FRANK 1883- . The future of polar exploration. (Geographical journal, Mar. 1921. v. 57, p. 182-204, illus.)

Paper read before the Royal Geographical Society, Dec. 1920, giving a general discussion of arctic and antarctic problems, remarks on exploration already completed, on methods, equipment, and on the need for international cooperation. *Copy seen:* DLC.

3753. DEBENHAM, FRANK, 1883- . Place-names in the polar regions. (Polar record, July 1942. v. 3, p. 541-52)

Discussion of the origin of place names, the difficulties of laying down rules for them, and problems arising from the simultaneous use of different names for the same geographic feature. *Copy seen:* DLC.

3754. DEBENHAM, FRANK, 1883- . The polar regions. London, E. Benn, Ltd., 1930. 80 p. (Benn's sixpenny library. No. 150)

Contains notes on ice, temperatures, scenery, traveling (means of transportation, food, etc.) plants and animals, and the future of north and south polar regions. *Copy seen:* NNStef.

3755. DEBENHAM, FRANK, 1883- . Retrospect: The Scott Polar Research Institute, 1920-45. (Polar record, Jan. 1945. v. 4, p. 223-35, 4 plates)

History of the founding and subsequent activities of the Institute. *Copy seen:* DLC.

3756. DEBENHAM, FRANK, 1883- . The Scott Polar Research Institute, Cambridge, England, its history and aims. (Arctica, 1933. No. 1, p. 67-74) *Copy seen:* DLC.

3757. DEBENHAM, FRANK, 1883- . Some aspects of the polar regions. (Scottish geographical magazine, Sept. 1935. v. 51, p. 273-83)

Presidential address to Geography Section, British Association for the Advancement of Science, 1935. Remarks on the economic aspects, the healthfulness and the peculiar problems for science, of the arctic and antarctic. *Copy seen:* DLC.

DEBENHAM, FRANK, 1883- , *see also* Bertram, G. C. L. Use of fuel in sledge travel. 1939.

3758. DEBETS, G. F. K antropologii chukchei (Akademiia nauk SSSR. Institut étnografii. Kratkie soobshcheniia, 1946. Vyp. 1, p. 63-65) *Title tr.:* Anthropology of the Chukchi.

Contains material, obtained in 1945, on the physical anthropology of the Reindeer Chukchis and some Tungus of the Malyy Anuyuy River. The author's data differs markedly from that of Bogoraz on the form of the nose, the presence of the epicanthus, and the occurrence of thick lips. According to the author, these characteristics point to the connection with the peoples of central and south-eastern Asia and not North America as Bogoraz suggested. *Copy seen:* DLC; NN; NNStef.

3759. DEBETS, G. F. K antropologii éskimosov. (Akademiia nauk SSSR. Institut étnografii. Kratkie soobshcheniia, 1947. Vyp. 3, p. 59-61) *Title tr.:* Notes on the physical anthropology of the Eskimos.

Contains results of a field investigation in the extreme northeast of Asia and on the Diomed Islands, where 191 male and 85 female Eskimos were measured. This preliminary report recorded a less frequent occurrence of the epicanthic fold (44 percent for men and 64 percent for women) and placed them between Siberian Mongoloids and American Indians. The Americanoid features present cannot be due to admixture with the Europeans. Some comparative data with the Chukchis are given. *Copy seen:* DLC; NN.

3760. De COSTA, BENJAMIN FRANKLIN, 1831-1904. Arctic exploration. (American Geographical Society, N. Y. Journal, 1880. v. 12, p. 159-92, illus.)

Historical sketch of exploration in northern regions, from antiquity to the early 17th century. *Copy seen:* DLC.

De COSTA, BENJAMIN FRANKLIN, 1831-1904, *see also* Bradford, W. Arctic regions, art expedition. 1873.

3761. DEDOV, ANDREI ALEKSANDROVICH, 1902- . Materialy k kharakteristike kormovoï ploshchadi Tai-myrskogo okruga. (Sovetskoe olenevod-

stvo, 1933. Vyp. 2, p. 7-46, map) *Title tr.*: Character of the natural feeding grounds of the Taimyr circuit.

General description of Taymyr National District, its natural regions, the pastures, their types and condition from viewpoint of reindeer feeding grounds. Bibliography. Summary in English.

Copy seen: CaOA; DF.

3762. DEDOV, ANDREI ALEKSANDROVICH, 1902-. O sovremennom sostoianii kormovoi bazy olenevodstva SSSR. (Sovetskii Sever, 1932. T. 3, no. 1-2, p. 109-123) *Title tr.*: Actual state of district food supplies for reindeer.

Conditions of reindeer pastures in the tundras; rough estimate of fodder supply of the tundras in Archangel region, based on geobotanical investigations in 1928-31; creation in 1931 of a scientific research institute of reindeer breeding at the All-Union Academy of Agriculture, Leningrad, with a special section on geobotanics of the tundras.

Copy seen: DLC.

3763. DEDOV, ANDREI ALEKSANDROVICH, 1902-. Rabota Malozemel'skogo otriada ekspeditsii po izucheniiu olen'ikh pastbishch Severnogo kraia v 1931 g. (Sovetskii Sever, 1932. T. 3, no. 4, p. 64-68) *Title tr.*: Work of the Malozemelski party of the expedition to study reindeer pastures of the North, 1931.

Pastures in central Malozemelskaya Tundra.

Copy seen: DLC.

DEDOV, ANDREI ALEKSANDROVICH, 1902-, *see also* Sambuk, F. V., & A. A. Dedov. Podzony pripechorskikh tundur. 1934.

DEEL, S. A., *see* U. S. Coast & Geodetic Survey. Alaska magnetic tables. 1944.

3764. DEER, WILLIAM ALEXANDER. Geological reconnaissance in northeast Baffin Island. (Arctic circular, May 1949. v. 2, p. 56-58) Mimeographed.

Account, and brief notes on results, of investigations in the Coutts Inlet - Pond Inlet region, made by two Cambridge University geologists, summer 1948.

Copy seen: CaMAI.

3765. DEER, WILLIAM ALEXANDER, and L. R. WAGER. Olivines from the Skaergaard intrusion, Kangerdlugssuaq, East Greenland. (American mineralogist, 1939. v. 24, p. 18-25)

Detailed report of chemical and optical analyses of four olivines separated from rocks collected during the British Arctic Air-Route Expedition, 1930-31.

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DEER, WILLIAM ALEXANDER, *see also* Wager, L. R., & W. A. Deer. Dyke swarm & crustal flexure in East Greenland. 1938.

3766. DEFANT, ALBERT, 1884-. Bericht über die ozeanographischen Untersuchungen des Vermessungsschiffes "Meteor" in der Dänemarkstrasse und in der Irmingersee. 1-3. (Akademie der Wissenschaften, Berlin. Physikalisch-mathematische Klasse. Sitzungsberichte, 1930-1936. 1930, p. 230-35; 1931, p. 345-59; 1936, p. 232-42, illus., 2 double-face maps. *Title tr.*: Report on the oceanographic observations of the Meteor in Denmark Strait and Irminger Sea, 1-3.

A study based on observations made during short periods, 1929-30, 1933 and 1935 in the waters southeast of Greenland. Contains discussion of the dynamics of the East Greenland cold current and the Irminger, a warm Atlantic current; the bathymetry and the depths of water layers; a bibliography and index charts showing work of other expeditions in the area of Davis Strait, as well as those mentioned above.

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3767. DEFANT, ALBERT, 1884-. Der Einfluss der Reflexionsvermögens von Wasser und Eis auf den Wärmeumsatz der Polargebiete. Berlin, Borntraeger, 1942. p. l, 7 p. diags. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 5) *Title tr.*: The influence of the reflection capacity of water and ice upon heat exchange of the polar region.

Theoretical, mathematical discussion in general of reflection and absorption of radiation by any water surface, in its relation to the high latitudes where diffuse radiation is of great importance; with a brief note on the greater penetration of radiation into ice.

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3768. DEFANT, ALBERT, 1884-. Ergebnisse der "Meteor"-Fahrten in die isländisch-grönländischen Gewässer 1929 und 1930. (Deutscher Geographentag. Verhandlungen und wissenschaft-

liche Abhandlungen, 1931, *pub.* 1932. Bd. 24, p. 216-30, diags.) *Title tr.*: Results of the *Meteor* Expeditions, 1929-1930 in the waters between Iceland and Greenland.

The German survey ship *Meteor* made annual research voyages, beginning 1928, to study the waters and meteorology between Iceland and Greenland, where the East Greenland Polar Current and Irminger Current (of warm Atlantic water) meet. This paper discusses and presents in diagrams and profiles, data on the bathymetry, temperature, salinity, density, and currents, for the waters off southeastern Greenland. *Copy seen:* DLC.

3769. DEFANT, ALBERT, 1884- . Die Gezeiten des Atlantischen Ozeans und des Arktischen Meeres. (Annalen der Hydrographie und maritimen Meteorologie, 1924. Jahrg. 52, p. 153-66, 177-84, 2 fold. diags.) *Title tr.*: The tides of the Atlantic Ocean and arctic seas.

Contains discussion of the Atlantic basin and bordering shallow arctic seas as a whole, with details on width and depth relations and tidal oscillations in the area, including Baffin Bay and Davis Strait; also technical discussion of the semi-diurnal and diurnal tides, including co-tidal diagrams for Greenland Sea and Baffin Bay-Davis Strait. *Copy seen:* DLC.

3770. DEFANT, ALBERT, 1884- . Konvektion und Eisbereitschaft in polaren Schelfmeeren. (Geografiska annaler, 1949. Arg. 31, p. 25-35, diags.) *Title tr.*: Convection and probability of ice in polar shelf areas.

Theoretical discussion of convection and heat exchange between sea water and atmosphere as they relate to formation of ice. *Copy seen:* DLC.

3771. DEFANT, ALBERT, 1884- . Oscillations of the atmospheric circulation over the North Atlantic Ocean in the 25-year period, 1881-1905. (U. S. Weather Bureau. Monthly weather review, Aug. 1924. v. 52, p. 387-93, diags., tables)

The mean monthly pressure distribution and various types of pressure anomalies over the North Atlantic are discussed. *Copy seen:* DLC.

3772. DEFANT, ALBERT, 1884- . Die ozeanographischen Arbeiten des

Vermessungsschiffes "Meteor" in der Dänemarkstrasse und Irmingersee während der Fischereischutzfahrten 1929, 1930, 1933, und 1935. Berlin, E. S. Mittler & Sohn, 1936. 152 p. incl. 123 p. of tables. 5 sketch charts, tables, fold. chart. (Berlin. Universität. Institut für Meereskunde. Veröffentlichungen. Neue folge, Reihe A, Heft 32) *Title tr.*: The oceanographic work of the survey ship *Meteor* in Denmark Strait and Irminger Sea during the fisheries research voyages 1929, 1930, 1933 and 1935. *Other authors:* G. Böhnecke and H. Wattenberg.

Report of the German naval vessel's work in Aug. 1929, Aug. 1930, Mar-Apr. 1933, and Mar. 1935, on five sections extending eastward from the coast of Greenland between Cape Farewell and about 61°N., in that part of Denmark Strait where the cold East Greenland Current and the warm Irminger Current mingle. It includes a narrative of the voyages, and discussion of the bathymetric chart, the instruments and the methods.

Tables: 1-2. Temperature, salinity, density and oxygen for surface and at depths from 0 to bottom (4250 meters deepest). 3. Values (of the same properties) interpolated for normal depths. 4. Chemical analyses: phosphate and nitrate, ammonia, hydrogen-ion concentration, catalytic effect. 5. Plankton determinations: quantitative and qualitative for various depths. *Copy seen:* DF.

3773. DEFANT, ALBERT, 1884- . Die Schwankungen des atmosphärischen Zirkulation über dem Nordatlantischen Ozean im 25-jährigen Zeitraum 1881-1905. (Geografiska annaler, 1924. Arg. 6, p. 13-41, tables, diags.) *Title tr.*: Variations in atmospheric circulation over the North Atlantic Ocean during the twenty-five-year period 1881-1905.

Discussion, with tables and charts, covering the region 10°-60°W. 10°-75°N. *Copy seen:* DLC.

DEFANT, ALBERT, 1884- , *see also* Berlin. Universität. Institut für Meereskunde. Polarbuch. 1933.

3774. [DEFAUCONPRET, AUGUSTE JEAN BAPTISTE] 1767-1843. Voyage vers le pôle arctique, dans le Baie de Baffin, fait en 1818, par les vaisseaux de Sa Majesté l'Isabelle et l'Alexandre,

commandés par le capitaine Ross et le Lieutenant Parry, pour vérifier s'il existe un passage au nord-ouest de l'océan Atlantique dans le mer Pacifique. Rédigé, 1° Sur la relation du capitaine Ross; 2° Sur le journal publié par un officier à bord de l'*Alexandre*; 3° Sur le relation du capitaine Sabine; 4° Sur le journal publié par un autre officier. Paris, Gide fils, 1819. 2 p. l., 290 p. front., 1 fold. plate, fold. map. (Collection des voyages modernes, traduits de l'anglais, t. 3) *Title tr.*: Voyage toward the North Pole in Baffin Bay made in 1818 by H. M. S. *Isabella* and *Alexander*, commanded by Captain Ross and Lieutenant Parry, to explore for a Northwest Passage from the Atlantic to the Pacific Ocean. Based 1st, on the account of Captain Ross; 2nd, on the journal of an officer on board the *Alexander*; 3rd, on the account of Captain Sabine; 4th, on the journal of another officer.

A coordination with extensive quotations and considerable condensation, of Sir John Ross' *Voyage of discovery*, 1819, q.v.; Alexander Fisher's *Journal of a voyage of discovery*; 1819, q.v.; *Northwest passage* (in *Blackwood's magazine*, Dec. 1818, v. 4, p. 338-44); and Sid Edward Sabine's *Remarks on the account of the late voyage of discovery to Baffin Bay published by Captain Ross*, London, 1819, 40 p. also (possibly) other papers on the expedition by Sabine, q.v. *Copy seen*: DLC.

DEFAUCONPRET, AUGUSTE JEAN BAPTISTE, 1767-1843, *see also* Ross, Sir J. Relation du second voyage 1829-33. 1835.

3775. **DEGE, WILHELM**, 1910-. Die heutige Besiedlung und Wirtschaft Spitzbergens. (Petermanns geographische Mitteilungen, Mai 1939. Bd. 85, p. 166-71, fold. map) *Title tr.*: Present-day settlements and economy of Spitsbergen.

Description of the mining, fishing, and the fur-bearing animal hunting and trapping settlements on West Spitsbergen, also remarks and statistics on the coal mining and fisheries. Includes map showing settlements.

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3776. **DEGE, WILHELM**, 1910-. Landformende Vorgänge im eisnahen Gebiet Spitzbergens. (Petermanns geo-

graphische Mitteilungen, März-Apr. 1941. Bd. 87, p. 81-97, 113-22, 22 plates) *Title tr.*: Physiographic processes in the region adjacent to the ice on Spitsbergen.

A study of the effects of frost, wind, solifluction and water erosion, based on the author's observations 1935-38, and a study of the literature, on four areas in West Spitzbergen: Andrée Land, region of Smeerenburg Sound, Conway Land and the Sassen Valley, and the region of Cape Linné.

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3777. **DEGE, WILHELM**, 1910-. Das Nordostland von Spitzbergen. Studien zu einer Landeskunde. Teil. I-II. (Polarforschung 1946-1947, pub. 1948. Bd. 2, Jahrg. 16, p. 72-83; Jahrg. 17, p. 154-63) *Title tr.*: Northeastland, Spitsbergen. Geographical studies, pt. I-II.

Based on the author's observations as a leader of the Haudigen Expedition, sent by the German Weather Service to Rijp Fiord, Sept. 14, 1944-May 9, 1945, and on study of the literature. Such results as appear in this paper are from memory only, for circumstances prevented a thoroughly prepared report.-Footnote. The introduction summarizes Northeast Land's physical geographic position and character, and mentions two fiords named for the first time by this expedition: Baumann and Wolfhard-Dege Fiords, both southerly extensions of Dove Bay.

Contents tr.: 1. The history of exploration and investigation of Northeast Land is reflected in its cartography. 2. Geologic structure 3. Surface forms and glaciologic relationships. 4. Climate and weather. Sea and bay ice. 5. Plants and animals. (Brief remarks, especially of the conditions for life). 6. Study of land classification. (Nine categories proposed). 7. Man and his economic activities on Northeast Land. (Summary of whaling, sealing and hunting). *Copy seen*: DSI-M.

3778. **DEGE, WILHELM**, 1910-. Die Schwankungen des Von-Post-Gletschers auf Spitzbergen. (Zeitschrift für Gletscherkunde, Juli 1941. Bd. 27, p. 284-86, illus.) *Title tr.*: Fluctuations of Von Post Glacier on Spitsbergen.

Note on the differences as recorded in the literature from 1882 to 1938, when the author visited the glacier.

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3779. DEGE, WILHELM, 1910-. Vorläufiger Bericht über meine Spitzbergensfahrt 1938. (Petermanns geographische Mitteilungen, Mai 1939. Bd. 85, p. 162-66) *Title tr.*: Preliminary report on my Spitsbergen journey of 1938.

Account of the author's activities, and discussion (in brief) of his observations in the Sassen Valley, the Albert I Land, and the Cape Linné regions of West Spitsbergen, where he carried out geomorphological studies.

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3780. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Andréexpeditionens innebörd; tal hållet vid minnefesten över Andrée, Strindberg och Frankel i Stockholms stadhus den 5 oktober 1930. (Ymer, 1930, Årg. 50, p. 373-80, port.) *Title tr.*: The import of the Andrée Expedition; lecture given at the celebration in the Stockholm city hall, commemorating Andrée, Strindberg and Frankel.

Discussion of Andrée and the Andrée balloon expeditions, 1896-1897.

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3781. DeGEER, GERARD JAKOB, *Friherre*, 1858-1943. The coal region of central Spitzbergen; notes to a map of the main coal district on the scale of 1:300 000. (Ymer, 1912. Årg. 32, p. 334-80, illus., fold. col. map)

Account of the mapping of the Ice Fiord region of West Spitsbergen by the Swedish Geological Expedition to Ice Fiord, 1896, and the Swedish Spitsbergen Expedition 1908; discussion of the map (prepared by the author) and of coal deposits and possibilities for coal mining in the Ice Fiord region.

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3782. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Det europeiska nordhavet samt omgivande kust- og fjordbildningar. (Geologiska föreningen. Föreläsningar, 1910. Bd. 32, p. 17-22) *Title tr.*: The European Arctic Ocean, and surrounding coast and fiord formations.

Lecture on Tertiary uplift of the land plateaus surrounding the European arctic seas and on the formation of Ice Fiord, West Spitsbergen, and other arctic fiords through Tertiary faulting; with remarks by J. G. Andersson and A. Hedström.

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3783. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. The head of Wood

Fjord; a map on the scale of 1:100 000. (Ymer, 1916. Årg. 36, p. 156-62, maps (incl. 1 fold.))

Discussion of the exploration and mapping of the Wood Fiord region northern West Spitsbergen, and of a new map by N. C. Ringertz. Map of the head of Wood Fiord from measurements and photographs of the Swedish Expedition for the Measurement of an Arc of the Meridian 1899, by N. C. Ringertz, edited by G. De Geer and drawn by G. Hogstadius.

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3784. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. The north coast of Spitzbergen, western part, with a map on the scale of 1:100 000 (Ymer, 1913. Årg. 33, p. 230-77, illus., fold., col. map)

Discussion of earlier maps of northern West Spitsbergen, including bathymetric maps and discussion of the accompanying map, its construction and nomenclature. Map of the north coast of West Spitsbergen, western part, constructed mainly from measurements, sketches and photos of the Swedish Expedition for the Measurement of an Arc of the Meridian, 1898-1902, by Gerard De Geer. (1:000 000)

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3785. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Om gradmättningsnätets framförande öfver södra och mellersta Spetsbergen. (Ymer, 1900. Årg. 20, p. 281-301, fold. map) *Title tr.*: On the extending of the arc measurement net over southern and middle Spitsbergen.

Account of the Russian section of the Swedish-Russian Expedition for the Measurement of an Arc of the Meridian, 1898-1902, the scientific investigations made in 1899, in the southern part of West Spitsbergen; also explanatory remarks on the map.

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3786. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Om östra Spetsbergens glaciation under istiden. Geologiska föreningen. Föreläsningar, 1900. Bd. 22, p. 427-36, plate 10) *Title tr.*: On the glaciation of eastern Spitsbergen during the ice age.

Discussion, based partly on observation of boulders originating from northern West Spitsbergen, of the glaciation of southeast West Spitsbergen and the Stor Fiord area during the ice age.

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3787. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Om Spetsbergens natur i Sveagruvans omnejd. (Ymer, 1919. Årg. 39, p. 240-77, illus., fold. **Title tr.:** On the nature of Spitsbergen in the "Svea Mine" region.

Contains description of the location and operation of the Swedish coal mine "Sveagruvan" at inner Van Mijen Bay, West Spitsbergen; also discussion of the discovery and exploration, the surveying, topography, geology, and climate, the plant and animal life of the region.

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3788. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Rapport om Den svenska geologiska expeditionen till Isfjorden på Spetsbergen sommaren 1896. (Ymer, 1896. Årg. 16, p. 259-66) **Title tr.:** Report of the Swedish Geological Expedition to Ice Fiord, West Spitsbergen.

Report on the work of this expedition under the author's leadership in 1896; its voyage (with Andrée's party) to West Spitsbergen; its topographical, geological and glaciological investigations in the Ice Fiord region and the trip home.

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3789. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Some leading lines of dislocations in Spitsbergen. (Geologiska föreningen. Förhandlingar, 1909, pub. 1910. Bd. 31, p. 199-208, map)

Discussion of dislocations of Silurian and Devonian rocks on West Spitsbergen, parallel with the oldest main tectonic lines; remarks on evidence of uplifts in the area. Summary in Swedish.

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3790. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Den svenska Spetsbergsexpeditionen år 1908. (Ymer, 1908. Årg. 28, p. 341-44) **Title tr.:** The Swedish Expedition, 1908.

Summary account of this expedition.

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3791. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Den svenska Spetsbergsexkursjonen, 1910, för delta-gare i den 11:te internationella geolog-kongressen i Stockholm. (Ymer, 1910. Årg. 30, p. 305-310) **Title tr.:** The Swedish Spitsbergen Excursion, 1910, for the members of the Eleventh International Geological Congress in Stockholm.

Account of the trip to Ice Fiord, West Spitsbergen and to glaciers in the Ice Fiord region.

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3792. De GEER, GERARD JAKOB, *Friherre*, 1858-1943. Swedish Spitsbergen maps until the end of 1908. (In: Nathorst, A. G. Swedish explorations in Spitzbergen, 1758-1908, pt. 3. pub. in: Ymer, 1909. Årg. 29, p. 78-99, also in separate issue)

Contains annotated list of sixty maps, published since 1862.

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De GEER, GERARD JAKOB, *Friherre*, 1858-1943, see also Lamplugh, G. W., & others. On shelly moraine of Sefström Glacier. 1912.

De GEER, GERARD JAKOB, *Friherre*, 1858-1943, see also Nathorst, A. G., & others. Swedish explorations in Spitzbergen. (reprint) 1909.

De GEER, GERARD JAKOB, *Friherre*, 1858-1943, see also Nathorst, A. G., & others. Swedish explorations in Spitzbergen. (Ymer) 1909.

De GEER, GERARD JAKOB, *Friherre*, 1858-1943, see also Svenska Spetsbergsexpeditionen, 1908. Zoologische Ergebnisse Schwedischen Exped. 1908. 1910-15.

3793. De GEER, STEN, 1886-. Hafsvattnets slamhalt inom Spetsbergens Isfjord ur geografisk synpunkt. (Ymer, 1913. Årg. 33, p. 148-57, illus., map) **Title tr.:** The contents of mud in Ice Fiord, Spitsbergen, from the geographical point of view.

Discussion of observations of the transparency of fiord water made by the Swedish Spitsbergen Expedition, 1908.

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3794. DEGELIUS, GUNNAR BROR FRITIOF, 1903-. Lichens from southern Alaska and the Aleutian Islands, collected by Dr. E. Hultén. (Göteborgs botaniska trädgård. Meddelanden, 1937, pub. 1938. T. 12, p. 105-144, illus., 4 plates)

Revision of Dr. Hultén's collection made in 1932, of nearly five hundred specimens comprising one hundred thirty species (five new) with notes and localities.

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3795. DEGELIUS, GUNNAR BROR FRITIOF, 1903-. Das ozeanische Element der Strauch- und Laubflechten-

flora von Skandinavien. Uppsala, Almqvist & Wiksell, 1935. xii, 411 p. illus. (incl. sketch maps) 4 plates. (Acta phytogeographica suecica. 7) Inaugural-Dissertation, University of Uppsala. **Title tr.:** The oceanic element in fruticose and foliaceous lichens of Scandinavia.

A study of the species of lichens which may belong to the oceanic element (flourishing in damper, warmer climate), the distribution of such species in Scandinavia and Finland; the distribution-types of mosses and vascular plants found with such lichens, and the factors involved in the distribution of the lichen species, based on use of phytogeographic maps and study of habitats; with a bibliography (nearly 800 items). **Copy seen:** DLC.

3796. DEGELIUS, GUNNAR BROR FRITIOF, 1903- . Über die Flechtengattung *Pseudoleptogium* Müll. Arg. (Svensk botanisk tidskrift, 1943. Bd. 37, häfte 1, p. 65-71) **Title tr.:** On lichen genus *Pseudoleptogium* Müll. Arg.

Contains some critical notes on various species of lichen genus *Pseudoleptogium* and allied genera, including Latin diagnosis of *Collema leptogioides*, occurring in Torne Lappmark and in Tromsö region of northern Norway.

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3797. DEGELIUS, GUNNAR BROR FRITIOF, 1903- . Uppgiften om *Lichina confinis* (Müll.) Ag. i Kuusamo-området. (Svensk botanisk tidskrift, 1946. Bd. 40, häfte 4, p. 447-48) **Title tr.:** Report on *Lichina confinis* (Müll.) Ag. in Kuusamo region.

Contains the author's statement that *Lichina confinis*, a lichen reported to be found in Kuusamo region in Finland, is probably a new species of the genus *Lemphollemma*, occurring also in Torne Lappmark. Summary in German.

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3798. DEGELIUS, GUNNAR NILSSON. Bemerkungen über *Cyphelium notarisi* (Tul.) Blomb. et Forss. und *C. tigillare* Ach. (Botaniska notiser, 1930, häfte 2, p. 105-128, illus., text maps) **Title tr.:** Notes on *Cyphelium notarisi* (Tul.) Blomb. et Forss. and *C. tigillare* Ach.

Contains a comparative study of taxonomy and geographic distribution of

two Scandinavian lichens—*Cyphelium notarisi* and *C. tigillare*, the first distributed in southern Norway and the second native to Swedish Lapland and arctic Norway (Finnmark and Varanger); bibliography (45 items).

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3799. DEGELIUS, GUNNAR NILSSON. *Cetraria norvegica* (Lynge) DR. in Fennoskandia. Eine Übersicht anlässlich der Auffindung der Art in Schweden. (Svensk botanisk tidskrift, 1928 pub. 1929. Bd. 22, häfte 4, p. 515-27, text map) **Title tr.:** *Cetraria norvegica* (Lynge) DR. in Fennoskandia. A revision on account of the discovery of this species in Sweden.

Contains data on the history of systematics of this lichen previously known only from Norway; and detailed data on its areal, 58°15'-69°20'N.; bibliography (31 items).

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3800. DEGELIUS, GUNNAR NILSSON. Lavar från Moskenesøy. Ett bidrag till kännedomen om lavfloran i yttersta Lofoten. (Nytt magasin för naturvidenskapene, 1938. Bd. 78, p. 269-93, illus.) **Title tr.:** Lichens from Moskenesøy. A contribution to the knowledge of the lichen flora of the outer Lofoten Islands.

Contains an investigation of lichen flora of Moskenesøy, the outermost of the Lofoten Islands, northern Norway, carried out by the author in the summer of 1937, with a systematic list of about one hundred lichens with localities and data on habitat; bibliography (20 items). Summary in German.

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3801. DEGELIUS, GUNNAR NILSSON. Några lavar från Helgeland i Nordland. (Nytt magasin för naturvidenskapene, 1931. Bd. 70, p. 289-95) **Title tr.:** Lichens from Helgeland and Nordland.

Contains a list of one hundred eight lichens collected by the author in 1926, in Helgeland and Nordland regions of Norway.

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3802. DEGELIUS, GUNNAR NILSSON. Ett sydberg i Kebnekaise-området och dess lavflora. (Botaniska notiser, 1945, häfte 4, p. 390-412, illus.) **Title tr.:** A southern mountain in Kebnekaise region and its lichen flora.

Contains a list of two hundred ten lichens known from Kebnekaise region, Torne Lappmark, critical notes on about thirty-five noteworthy species and Latin descriptions of *Lecidea circumnigrata* H. Magn. and *Rinodina soredicola* Deg. n. spp., the first native to Torne Lappmark and the latter to Swedish Lapland and Finnmark, Norway; bibliography (49 items).

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3803. DEGELIUS, GUNNAR NILSSON. Über *Dermatocarpon rivulorum* (Arn.) DT. et Sarnth. und *D. Arnoldianum* Degel. n. sp. (Nytt magasin for naturvidenskapene, 1936. Bd. 75, p. 151-61, plate 1) **Title tr.:** On *Dermatocarpon rivulorum* (Arn.) DT. et Sarnth. and *D. Arnoldianum* Degel. n. sp.

Contains Latin diagnosis of *Dermatocarpon Arnoldianum* n. sp., a lichen native to Finnmark, Norway, and *D. rivulorum*, collected in Nuolja, Torne Lappmark, Sweden, with data on taxonomy, ecology and distribution of both species, and their relation to four related species of the same genus.

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3804. DEGELIUS, GUNNAR NILSSON. Zur Kenntnis der Flechtenflora um den See Virihaure in Lule Lappmark (Swedisch-Lapland). (Botaniska notiser, 1943, häfte 1, p. 75-113, illus.) **Title tr.:** A contribution to the knowledge of lichen flora around Virihaure Lake in Lule Lappmark (Swedish Lapland)

Contains a general description of this region and its lichen flora, with historical notes on its botanical exploration and a systematic enumeration of two hundred ninety-two lichens collected by the author during his trip in 1941, including a Latin diagnosis of *Pannaria isidiata* n. sp. (occurring also in Torne Lappmark, Sweden, and Tromsø and Finnmark, Norway); bibliography (50 items).

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3805. DEGERBØL, MAGNUS, 1895- Animal bones from the Norse ruins at Brattahlid. (In: Nørlund, P., and M. Stenberger. Brattahlid, appendix 1. Pub. in: Meddelelser om Grønland, 1934. Bd. 88, nr. 1, p. 149-55)

Notes on bones of seal, walrus, bear, dog, etc., from Eric the Red's home-

stead on West Greenland, with comment on Norsemen's domestication of animals, hunting, etc.

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3806. DEGERBØL, MAGNUS, 1895- Animal bones from the Norse ruins at Gardar. (Meddelelser om Grønland, 1930. Bd. 76, p. 181-92 incl. tables)

Descriptions of animal bones excavated at the medieval episcopal seat at Gardar (now Igalliko, Julianehaab District, West Greenland) by the Archaeological Expedition to South Greenland, 1926.

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3807. DEGERBØL, MAGNUS, 1895- Animal remains from the West Settlement in Greenland, with special reference to livestock. København, C. A. Reitzel, 1936. 54 p., 1 l. incl. illus., tables. plate. (Meddelelser om Grønland. Bd. 88, nr. 3)

Discussion (with list, measurements, etc.) of bones of whales, horse, sheep, etc., excavated in 1930-34, on the site of the Norse colony "Vesterbygden" (in the present Godthaab District) under direction of P. Nørlund and A. Roussell; the relation of the bones to Norse culture and comparison with those found in "Østerbygden" (the East Settlement); bibliography, p. 53-54.

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3808. DEGERBØL, MAGNUS, 1895- A contribution to the investigation of the fauna of the Blossville Coast, East Greenland, with special reference to zoogeography. København, C. A. Reitzel, 1937. 36 p. 2 maps (1 fold.) (Meddelelser om Grønland. Bd. 104, nr. 19)

Results of the Scoresby Sound Committee's Second East Greenland Expedition in 1932 to King Christian IX's Land. Exceptional sailing conditions permitted landing on Cape Dalton as early as July 10th, which gave time for investigation of the coast, previously almost unvisited. Author discusses the factors determining Blossville Coast as the location of several zoogeographical boundaries: climate, character of the flora, nature of the soil, large glaciers coming down to the sea, steep coast lines; shows that the climate is conditioned to some extent by the submarine ridge across Denmark Strait, affecting ocean currents and ice cover, temperature and rainfall; discusses

the occurrence and sparsity of individual species of land and marine mammals and insects, and remarks on the history of migration; bibliography (32 items).

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3809. DEGERBØL, MAGNUS, 1895- . The former Eskimo habitation in the Kangerdlugssuak district, East Greenland. København, C. A. Reitzel, 1936. 47, [1] p. illus. (incl. plans) maps (1 fold.) (Meddelelser om Grønland. Bd. 104, nr. 10)

Results of the Scoresby Sound Committee's Second East Greenland Expedition in 1932 to King Christian IX's Land. Description of houses, kitchen midden and graves at Mikis Fjord, 68°10'N., and of graves of woman and child, and two houses at Kangerdlugssuak; with a bibliography (10 items).

The finds from these localities are described and discussed by T. Mathiasen, in *Eskimo finds from the Kangerdlugssuak region*, 1934, q.v.

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3810. DEGERBØL, MAGNUS, 1895- . Om 3 tilfælde af dobbelte stødtænder hos hvalrossen (*Odobenus rosmarus* L.) (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1930. Bd. 88, p. 286-92, illus.) *Title tr.*: On three cases of double tusks on the walrus (*Odobenus rosmarus* L.).

Description of double tusks observed on walrus crania from West Greenland waters.

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3811. DEGERBØL, MAGNUS, 1895- . The osseous material from Austmannadal and Tungmeralik, West Settlement, Greenland. (In: Roussel, A. Farms and churches in the mediaeval Norse settlements of Greenland, Appendix. *Pub.* in: Meddelelser om Grønland, 1941. Bd. 89, nr. 1, p. 345-54)

Discussion and lists of animal bones, found by A. Roussel during his archaeological investigations 1937, on the site of the Norse colony "Vesterbygd" (in the present Ameralik Fiord region in Godthaab District).

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3812. DEGERBØL, MAGNUS, 1895- , and others, editors. Zoology of East Greenland. København, C. A. Reitzel, 1937-48. 17 no. illus., plates, maps. (Meddelelser om Grønland. Bd. 121-122) *Other editors:* A. S. Jensen, R. Späreck, and G. Thorson.

Collection of papers bringing together accounts of various animal groups investigated and collected by Danish and other expeditions, and recorded in previously published literature.

Contents: Bd. 121, nr. 1 (*pub.* 1937). WESENBERG-LUND, E. Gephyreans. Nr. 2 (*pub.* 1938). HAMMER, M. S. J. Collemboles.

Nr. 3 (*pub.* 1939). JESPERSEN, P. Copepods.

Nr. 4 (*pub.* 1940). POULSEN, E. M. Freshwater Entomostraca.

Nr. 5 (*pub.* 1940). WESENBERG-LUND, E. Brachiopoda.

Nr. 6 (*pub.* 1941). HEEGAARD, P. E. Decapod crustaceans.

Nr. 7 (*pub.* 1941). LEMCHE, H. M. Gastropoda Opisthobranchiata.

Nr. 8 (*pub.* 1943). STEPHENSEN, K. Pycnogonida.

Nr. 9 (*pub.* 1943). STEPHENSEN, K. Marine Ostracoda, parasitic and semi-parasitic Copepoda and Cirripedia.

Nr. 10 (*pub.* 1943). STEPHENSEN, K. Leptostraca, Mysidacea, Cumacea, Tanaidacea, Isopoda and Euphausiacea.

Nr. 11 (*pub.* 1943). KRAMP, P. L. Hydroida.

Nr. 12 (*pub.* 1943). KRAMP, P. L. Medusae, Siphonophora, and Ctenophora.

Nr. 13 (*pub.* 1944). THORSON, G. Marine Gastropoda Prosobranchiata.

Nr. 14 (*pub.* 1944). STEPHENSEN, K. Amphipoda.

Nr. 15 (*pub.* 1946). BRAENDEGAARD, J. Araneina.

Bd. 122, nr. 1 (*pub.* 1946). HAMMER, M. S. J. Oribatids.

Nr. 2 (*pub.* 1948). MADSEN, F. J. Octocorallia.

Each of these papers appears in this Bibliography under the author's name.

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3813. DEGERBØL, MAGNUS, 1895- , and F. W. BRÆSTRUP. The geographical variation of the Greenland hares. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1934. Bd. 98, p. 197-206, illus.)

Discussion of variation in cranial measurements, and recognition of only two races in Greenland: *groenlandicus* and *porsildi*.

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3814. DEGERBØL, MAGNUS, 1895- , and N. L. NIELSEN. Biologiske iagt-

tagelser over og maalinger af hvidhvalen (*Delphinapterus leucas* (Pall.)) og dens fostre. (Meddelelse om Grønland, 1930, pub. 1931. Bd. 77, p. 117-44 incl. illus., diags., tables) *Title tr.*: Biological observations and measurements of the white whale (*Delphinapterus leucas* (Pall.)) and its fetus.

The discussion includes also occurrence of the white whale off West Greenland and means of capturing the whales in a small fiord near Sukkertoppen. Summary in English, p. 143-44.

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3815. DEGERBØL, MAGNUS, 1895- , and PETER FREUCHEN. Mammals. Copenhagen, Gyldendalske boghandel, 1935. 2 p. l., 278 p. illus., photos., 1 fold. map, tables. (Thule Expedition, 5th, 1921-1924. Report. v. 2, no. 4-5)

Contents: Pt. 1, (p. 1-67). Degerbøl, Magnus. Systematic notes (with bibliography, 33 items). Pt. 2, (p. 68-278). Freuchen, Peter. Field notes and biological observations (with an extended description of the Eskimo dog, p. 141-87).

These papers are notes on mammalian material collected on the tundras west of Hudson Bay and Fox Channel, mainly from Melville Peninsula.

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3816. DEGERBØL, MAGNUS, 1895- , and U. MOHL-HANSEN. Birds (Aves). København, C. A. Reitzel, 1935. 29, [1] p. illus., fold. map. (Meddelelser om Grønland. Bd. 104, nr. 18)

Results of the Scoresby Sound Committee's Second East Greenland Expedition in 1932 to King Christian IX's Land (Angmagssalik to Cape Dalton). Notes on the character of the coast as unfavorable to bird life, and a fully annotated list of the twenty-eight species observed (nesting, eggs, measurements, abundance, etc.); bibliography (21 items).

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3817. DEGERBØL, MAGNUS, 1895- , and U. MOHL-HANSEN. Remarks on the breeding conditions and moulting of the collared lemming (*Dicrostonyx*). København, C. A. Reitzel, 1943. 40 p. illus. (Meddelelser om Grønland. Bd. 131, nr. 11)

"Written by Magnus Degerbøl, but as the observations on the breeding conditions are based upon animals, which were entrusted to the care of U. Möhl-

Hansen . . . his name is given as joint author."

Based on observations of captive animals, 1936-42, and on records published by arctic travelers. Bibliography (25 items).

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DEGERBØL, MAGNUS, 1895- , see also Acta arctica. 1943-49.

DEGERBØL, MAGNUS, 1895- , see also Glob, P. V. Eskimo settlements Kempe Fjord. 1935.

DEGERBØL, MAGNUS, 1895- , see also Larsen, H. E. Dødemandsbugten, Eskimo settlement. 1934.

DEGERBØL, MAGNUS, 1895- , see also Mathiassen, T., & E. Holtved. Eskimo archaeology Julianehaab. 1936.

DEGERBØL, MAGNUS, 1895- , see also Vebaek, C. L. Researches into Norse culture. Inland farms. 1943.

De HAVEN, EDWIN JESSE, 1816-1865, see Kane, E. K. U. S. Grinnell Exped. (1850-51). 1853, 1854.

De HAVEN, EDWIN JESSE, 1816-1865, see Kane, E. K. U. S. Grinnell Exped. (1850-51). 1856, 1857.

3818. DEICHMANN, ELISABETH, 1896- . The Arctic molpadids in the Riksmuseum, Stockholm, Sweden. [Stockholm, 1938] 5 p. (Arkiv för zoologi. Bd. 30 A, no. 8)

Descriptions of holothuroid echinoderms, *Molpadia arctica* from Kara and Laptev Seas, and of *M. borealis* from Greenland Sea, off West Spitsbergen, East Greenland, and Jan Mayen.

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3819. DEICHMANN, HENRIK, 1871- . Birds of East Greenland. (In: Andrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 3. del, nr. 2. Pub. in: Meddelelser om Grønland, 1909. 29. hefte, p. 141-56)

List, with localities and remarks, of species observed on East Greenland and Jan Mayen.

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3820. DEICHMANN, HENRIK, 1871- , and W. LUNDBECK. Østgrønlandske insekter. (In: Ryder, C. H. Den østgrønlandske expedition, 3. del, 3. Pub. in: Meddelelser om Grønland, 1896. 19. hefte, p. 95-120) *Title tr.*: Insects from East Greenland.

Discussion of insects in East Greenland, with special regard to the Scoresby Sound region, and list, with localities and remarks, of insects collected there. Summary in French, p. 258-59.

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DEICHMANN, LAURITZ, B., ed., see Petersen, J. C. C. Erindringer fra polarlandens. 1857.

3821. DEICHMANN BRANTH, JACOB SEVERIN, 1831-1917. Lichener fra Novaia-Zemlia, samlede paa Dijnphna-expeditionen 1882-83 af S. Borch og Th. Holm. (*In:* Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 7-77) *Title tr.:* Lichens from Novaya Zemlya, collected on the Dijnphna Expedition 1882-83 by S. Borch and Th. Holm.

List, with references to literature, of eighty species and varieties. French summary of botanical reports, p. 97-107.

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3822. DEICHMANN BRANTH, JACOB SEVERIN, 1831-1917. Lichener fra Scoresby sund og Hold with Hope. (*In:* Ryder, C. H. Den østgrønlandske expedition. 2. del, 3. *Pub.* in: Meddelelser om Grønland, 1896. 18. hefte, p. 83-103) *Title tr.:* Lichens from Scoresby Sound and Hold with Hope.

List, with localities and remarks, of species collected in the Scoresby Sound region, especially on Denmark Island, and on the more northern peninsula, Hold with Hope. Summary in French, p. 481-83.

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3823. DEICHMANN BRANTH, JACOB SEVERIN, 1831-1917. Tillaeg til Grønlands lichen-flora. 3. hefte, s. 464. (*In:* Lange, J. M. C., and others. Conspectus florae Groenlandicae. Pars 3. *Pub.* in Meddelelser om Grønland, 1887-94, *pub.* 1892. 3. hefte, p. 751-62) *Title tr.:* A supplement to Greenland lichen flora. 3. hefte, p. 464.

Contains some additional data to the species described in J. S. Deichmann Branth, and C. C. H. Grønlund, Grønlands lichen-flora, 1887, and an index for both works.

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3824. DEICHMANN BRANTH, JACOB SEVERIN, 1831-1917, and C. C. H. GRØNLUND. Grønlands lichen-flora. (*In:* Lange, J. M. C., and others. Conspectus florae Groenlandicae. Pars 3.

Pub. in Meddelelser om Grønland, 1887-94, *pub.* 1887. 3. hefte, p. 447-513) *Title tr.:* Lichen flora of Greenland.

Contains a general sketch of lichen flora of Greenland, with a list of collections and a systematic enumeration of about two hundred fifty species, based mostly on T. M. Fries, *Lichenes arctoi* [etc.], 1861; continued in J. S. Deichmann Branth, *Tillaeg til Grønlands lichen flora*, 1892.

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3825. DEICHMANSKE BIBLIOTEK, OSLO. Polar-litteratur. Oslo, O. Fredr. Arnesen, 1925. 27 p. (Deichmanske bibliotek. Bokfortegnelse nr. 24) *Title tr.:* Polar literature. (Deichman library. Catalogue of books, nr. 24)

Contains a list of publications on the Arctic and Antarctic, in various languages.

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DEINBOLL, PETER VOGELIUS, 1783-1874, see Lid J. Rest av M. Wormskiolds Kamtchatkaplantar. 1940.

3826. DEKKERT, EM. Klondaïkskiâ zolotyâ rozsypl. (Zemlevedenie, 1898. T. 5, vyp. 1-2, p. 165-72) *Title tr.:* Klondike placer deposits.

General description of the Klondike region 64°5'-10°N. 139°3'W., famous since the discovery of gold in the sand of Bonanza Creek (tributary of Klondike River) by a man named Kormack in 1896; communication routes to the newly discovered gold area via Yukon River, and via Lynn Canal—Chilkoot Pass; remarks on probability of further discoveries of gold in Canada and on the future cultural and economic development of the Yukon region.

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3827. DELABARRE, E D M U N D BURKE, 1863- Report of the Brown-Harvard Expedition to Nachvak, Labrador in the year 1900. (Geographical Society of Philadelphia, Apr. 1902. v. 3, no. 4, p. 65-212, illus., front., 10 plates (incl. maps), fold., col. map)

Record of an expedition with personnel from Brown and Harvard Universities, the cruise of the *Brave*, and the twelve-day visit at Nachvak Fjord (59°N. 64°W.) on the northern Labrador coast. Includes descriptions of the overland trips, notes on meteorology, the ascent of Mt. Faunce, scenery of

the Atlantic coast of Labrador, the Eskimos and the medical mission.

Scientific reports include: Botany (with list showing locations) p. 167-201. Bigelow, H. B. Ornithology, p. 202-206. Daly, R. A. Geology, p. 206-212.

The reports by Bigelow and Daly are summaries of full reports, which appear in this Bibliography under the authors' names. *Copy seen: DLC.*

DELABARRE, EDMUND BURKE, 1853-, see also Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

DELACY, ALLAN C., see Chapman, W. M., & A. C. DeLacy. New species *Careproctus* Alaska. 1934.

3823. De LAGUNA, FREDERICA, 1906-. An archeological reconnaissance of the middle and lower Yukon valley, Alaska. (American antiquity, July 1936. v. 2, no. 1, p. 6-12)

Summary of the results of an expedition in 1935, by the author and Dr. A. J. Eardley, sponsored by the University of Pennsylvania Museum, to investigate the possibilities of finding ancient human remains in Yukon valley. No remains of geological antiquity were found, but many pre-historic Indian sites were located, especially between Nulato and Holy Cross, and pottery was found at the mouth of the Tanana, 500 miles beyond its former known limit.

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3829. De LAGUNA, FREDERICA, 1906-. The archaeology of Cook Inlet, Alaska. With a chapter on skeletal material by Bruno Oettking. Philadelphia, Pub. for the University Museum by the University of Pennsylvania Press, 1934. 5 p. l., 7-263., 5 illus., 72 plates incl. 4 maps.

The results of surveys and excavations carried out in the summers, 1930-32, under auspices of the University Museum, Philadelphia. Description of numerous archeological sites visited around Cook Inlet, with notes on finds at each, and with detailed description of the extensive excavations at Yukon Island and Cottonwood Creek, Kachemak Bay. Includes description of artifacts, animal remains, and human skeletal material; discussion of the stratigraphic sequences,

starting with basal Thule-like materials; summary of the Kachemak Bay culture and its affiliations; and description of ancient and modern house types, red hematite rock paintings, and (Appendix II) analyses of hearth ashes suggesting aboriginal use of soft coal. Bibliography, p. 232-34.

Maps of Cook Inlet and of Kachemak Bay, with archeological sites; large scale maps of Yukon Island and Cottonwood Creek sites.

Plates include detailed vertical sections of the two main excavations, views of sites, and pictures of artifacts, rock paintings, and skeletal remains.

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3830. De LAGUNA, FREDERICA, 1906-. A comparison of Eskimo and Paleolithic art. (American journal of archaeology, 1932-33. v. 36, p. 477-511; v. 37, p. 77-107, 12 plates)

Discusses previous theories and author's reformulation of the problem, in which only ancient Eskimo art is utilized for comparison, leading to the conclusion that "it is impossible to prove that Eskimo art is more closely related to that of the Paleolithic than are other arts of comparatively simple content. Yet I am not sure this negative conclusion is final."

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3831. De LAGUNA, FREDERICA, 1906-. Eskimo lamps and pots. (Royal Anthropological Institute of Great Britain and Ireland. Journal, 1940. v. 70, pt. 1, p. 53-76, 2 plates, 9 illus.)

Description of different forms of Eskimo stone and pottery lamps and of cooking pots (stone and pottery). Distribution and relative antiquity of the different types in Eurasia and America are discussed, and the origin and paths of diffusion traced.

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3832. De LAGUNA, FREDERICA, 1906-. History of the ever useful reindeer; man's sub-arctic ally. (Frontiers; a magazine of natural history, Dec. 1938. v. 3, p. 48-54, 64, illus.)

A popular presentation of the origin of the reindeer, the nomadic tribes which use him, his taming, herding, and harnessing, also the recent introduction of herds into Alaska and Labrador.

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3833. De LAGUNA, FREDERICA, 1906- . Indian masks from the Lower Yukon. (American anthropologist, 1936. New ser., v. 38, p. 569-85, illus., 4 plates)

Descriptions and discussion of a collection of dance masks from Ingalik Indians, and of ceremonies reported in Chapman, J. W., *Notes on the Tinnch tribe of Anvik, Alaska*, 1907, q.v.

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3834. De LAGUNA, FREDERICA, 1906- . Mummified heads from Alaska. (American anthropologist, 1933. New ser., v. 35, p. 742-44, plate)

Description of unusual cache of Tlingit remains.

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3835. De LAGUNA, FREDERICA, 1906- . The prehistory of northern North America as seen from the Yukon. Menasha, Wis., 1947. ix, 360 p. 30 plates, 33 illus. (Society for American Archeology. Memoirs, v. 12, no. 3, pt. 2)

Comparative and analytical discussion of the origin and relationships (American and Asiatic) of prehistoric Eskimo and Indian cultures in northern North America, based on the author's field investigations in the Ingalik Indian country in the Tanana and Yukon valleys, between Nenana and Holy Cross, conducted for the University of Pennsylvania Museum in 1935.

Contains introductory conclusions; chapters on the Tena and their neighbors; archeological sites; disposal of the dead; houses, kashims (ceremonial rooms), and caches; archeological collections from Tena sites; pottery from Indian and Eskimo sites; analysis of archeological types; final conclusions.

Appendix: Analysis of Yukon potsherds, by Donald Horton; bibliography p. 291-99.

The chapters of introductory and final conclusions discuss stages of development of Indian and Eskimo cultures, the present status of Eskimo archeology, northeastern Indian archeology, and Japanese archeology, the last because of a postulated connection with south Alaska.

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De LAGUNA, FREDERICA, 1906- , see also Birket-Smith, K., & F. De Laguna. Eyak Indians. 1938.

3836. DELANO, LEONARD H. Up from the deep. (Alaska sportsman, Feb. 1935. v. 1, no. 2, p. 11, 19, 24, illus.)

Journalist's account of the salvaging in 1934, of the S.S. *Islander*, which sank in Stevens (i.e. Stephens) Passage, nine miles from Juneau, Southeast Alaska, Aug. 1901, with a cargo of gold.

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De LA RIVE, AUGUSTE ARTHUR, 1801-1873, see Lemstrom, S. Observations electricity of atmosphere & aurora borealis 1868. 1875.

DELAROCHE, J., see Lottin, V. C., & others. Sondages et courants mer du Nord. 18-?

3837. DeLay, J. E. We nearly conquered Saint Elias. (Alaska sportsman, May 1942. v. 8, no. 5, p. 16-18, 20-21, illus.)

A member of the A. C. Baldwin Expedition, 1913, describes the efforts over several months by which the party climbed to about 15,000 feet, only to be stopped by a blizzard.

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DELCROS, see Lottin, V. C., & others. Voyages 1838-40 *Recherche. Météorologie.* 1844-?

3838. DE LISLE, J. F. On dispersion of Rayleigh waves from the North Pacific earthquake of November 10, 1938. (Seismological Society of America. Bulletin, Oct. 1941, v. 31, p. 303-307)

Copy seen: DGS.

3839. DE LONG, GEORGE WASHINGTON, 1844-1881. The voyage of the Jeannette. The ship and ice journals of George W. De Long, lieutenant-commander U.S.N. and commander of the Polar expedition of 1879-1881. Ed. by his wife, Emma De Long, with two steel portraits, maps and many illustrations on wood and stone . . . Boston, Houghton Mifflin & Co., 1884. 2 v.: xii, 1-440 p.; xii, 441-911 p., illus., 16 plates incl. ports., 7 maps (2 fold.)

Edited by Emma De Long, widow of the author, based on De Long's private papers, the editor's own recollections and notes, and on public and private testimony from survivors of the expedition.

Narrative of an expedition made under the authority of the U. S. Navy

Dept., and financed by J. G. Bennett; the voyage of the *Jeannette*, from San Francisco, July 8, 1879, calling at a number of places in Bering Sea, clearing Bering Strait, visiting Cape Serdze Kamen and going adrift in the ice near Herald Island, Nov. 1879; the drift thence north and west for nineteen months, till the ship was crushed and finally sank, June 12, 1881, at 77°14'57"N. 154°58'45"E., northeast of the New Siberian Islands. Account of the subsequent search for the thirty-three men who left the ship, of whom twenty-five reached the Lena delta, where De Long and eleven others perished. Includes information on ice, animal life, the drift in the Siberian arctic seas, health of the crew, red snow, auroras, and storms, Bennett Island, New Siberian Islands, and the Lena delta.

For another account of this expedition see G. W. Melville: *In the Lena Delta*, 1884.

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DEL POMO, MICHAEL, see Wilber, C. G., & M. Del Pomo. Comparative study lipids arctic fish. 1949.

3840. DEMCHINSKII, B. N. Programma polevykh sel'skokhoziaistvennykh opytov v raionakh vechnoi merzloty. (In: Akademiia nauk, SSSR. Komitet po vechnoi merzloty. Sbornik instruktsii i programmykh ukazanii, 1938, p. 245-52) *Title tr.:* Program for field agricultural experiments in the region of permafrost.

Contains short program for field investigations into the possibility of farming in permafrost areas; remarks on various types of useful plants, experimental fields, need for meteorological and soil investigations to determine types of plants best suited for cultivation.

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DEMCHINSKII, B. N., see also Sumgin, M. I., & B. N. Demchinskii. Oblast' vechnoi merzloty. 1940.

3841. DEMENCHENOK, S. K. O solevom sostave vody Karskikh Vorot i Iugorskogo Shara. (Problemy Arktiki, 1939, no. 5, p. 50-62, tables, diagrs.) *Title tr.:* On salt composition of the water of Karskiye Vorota and Yugorskiy Shar.

Methods and results of chemical analyses of samples from these straits,

collected by the Hydrological Expedition of the Arctic Institute in 1935. Bibliography (30 items).

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3842. DEMENITSKAIA, R. M. Perspektivy seismorazvedki metodom prelomlennykh voln v raione Ust'-Eniseiskogo porta. (Problemy Arktiki, 1939, no. 5, p. 81-92, diagrs.) *Title tr.:* Perspectives for seismic prospecting by the method of refraction of waves in the Ust-Yeniseyskiy Port region.

Detailed discussion of behavior of seismic waves in permanently frozen soil of the Ust-Yenisey region, where petroleum prospecting was carried out, 1936-38.

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3843. DEMENT'EV, A. I. O klassifikatsii vechnoi merzloty so stroitel'noi tochkii zrenniia. (Merzlotovedenie, 1947, T. 2, no. 1, p. 55-57) *Title tr.:* Classification of permafrost from the point of view of construction.

Contains review of the accepted classifications of permafrost according to (a) its horizontal distribution, (b) its vertical distribution, (c) its relation to seasonal freezing, and (d) the physical state of the ground. The author adds the classifications "stable" and "unstable" which he considers important to fill engineering needs.

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3844. DEMENT'EV, A. I., and V. F. TUMEL. Civil engineering in frozen soil, U.S.S.R. (Canadian geographical journal, Jan. 1946, v. 32, p. 32-33)

Brief description of the kinds of research carried on by the Soviet Institute for the Study of Permanently Frozen Soil, including remarks on the extent of permafrost, and mention of ice warehouses, building on frozen soil, mining problems, means of thawing soil, and drilling artesian wells through the frozen layer.

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3845. DEMENT'EV, V. A. K istorii rel'efa zapadnykh sklonov Pai-Khoia v chetvertichnoe vremia. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1935, T. 67, vyp. 6, p. 737-51, illus., map, diagrs.) *Title tr.:* A contribution to the history of the western slopes of the Pai-Khoy Mountains of the Quaternary.

A geomorphological sketch of the region based on the author's observations in 1932, and a discussion of

some aspects of the geological formation of the area. Contains a list of diatoms in local Quaternary deposits.

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3846. **DEMENT'EVA, T. K.** izmenchivosti Amphipoda severnykh morei. (Gosudarstvennyi okeanograficheskii institut. Trudy, 1931. T. 1, vyp. 2-3, p. 65-82, diagrs., sketch charts. *Title tr.:* On the variability of the Amphipoda of the northern seas.

Based on mass collections of *Acanthostepheia behringiensis* and *Gammarus locusta* from the Kara, Barents and White Seas, of such character as to permit a study using variation statistics. A detailed report on different morphologic characteristics of the specimens from various bays and discussion of possible causes, other than ecological factors.

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3847. **DEMİN, A. V.** zalive Blagopoluchiia. (Sovetskaiia Arktika, 1940, no. 9, p. 37-39, illus., map) *Title tr.:* In Blagopoluchiya Bay.

Historical sketch and brief description of this region on the northeastern coast of Novaya Zemlya, and of work at the Blagopoluchiya polar station (75°35'N. 63°42'E.), by the meteorologist there, 1937-38.

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3848. **DEMME, N. P.** Bobry na r. Seza, Arkhangel'skoi oblasti. (Priroda, 1947, no. 11, p. 73-75, map) *Title tr.:* The beavers on Seza River, Archangel Province.

Author's observation in 1945, on the movement of a beaver colony brought to the region in 1936 and 1940, and his estimate of its numbers.

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3849. **DEMME, N. P.** Sostoianie l'dov v raione ostrovov Sergeia Kameneva v 1930-1934 godakh. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 88, p. 23-37, illus.) *Title tr.:* Ice conditions in the region of Sergey Kamenev Islands.

Ice conditions in eastern Kara Sea based on observations from the Domashnyi Island polar station.

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3850. **DEMME, Mrs. N. P.** Ptichii bazar na skale Rubini (Ostrov Gukera, Zemlia Frantsa-Iosifa) (Leningrad. Vsesoiuznyi arkticheskii institut. Tru-

dy, 1934. T. 11, p. 55-86, illus., tables) *Title tr.:* Life on a bird rock (Rubini Rock on Hooker Island, Franz-Joseph Land).

The author, Mrs. N. P. Demme, a biologist at the Arctic Institute polar station, describes her systematic observations made in the winter 1930-31; gives life history of diving birds, and a detailed account of feeding. Summary in English. *Copy seen:* DLC.

3851. **DEMOKIDOV, K. K.** Geologicheskoe stroenie i poleznye iskopaemye severnoi chasti khrebtu Tas-Khaiantakh i privilegushchego k nemu pravoberezh'ia reki Iany. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 142, p. 67-106, illus.) *Title tr.:* Geological structure and mineral resources of the northern part of Tas-Khayantakh Range and the adjoining right bank of Yana River.

Results of geomorphological and stratigraphical study conducted for the Yana Expedition of the Arctic Institute of U.S.S.R., 1936-37, with a short description of economic conditions. Map: Geological map, 1:500 000, at the end of volume.

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3852. **DEMOKIDOV, K. K.** Nekotorye cherty metallonosnosti serevnoi chasti Iano-Indigirskogo mezhdurech'ia. (Problemy Arktiki, 1940, no. 1, p. 80-87) *Title tr.:* Some metalliferous features of the northern part of Yana-Indigirka watershed.

Discussion of potential mineral resources in the area between Yana and Indigirka Rivers, north of 68°N., based on work of recent expedition of the Arctic Institute of U.S.S.R..

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DEMOKIDOV, K. K., see also Ryt'sk, V. I., & K. K. Demokidov. Nekotorye novye dannye ob olovonosnosti. kh. Taskhaiakh i Polousnogo. 1938.

3853. **DEMOREST, MAX HARRISON.** 1910-1942. Glaciation of the Upper Nugssuak Peninsula, West Greenland. (Zeitschrift für Gletscherkunde, 1937. Bd. 25, p. 36-56, 2 plates)

Results of the University of Michigan-Pan American Airways Greenland Expedition, 1932-1933. Descriptions of the general physiography and structure, the extent of past glaciation (deposits, movement and amount of erosion, bor-

der zone and contrasts with interior) and the present mountain glaciers and nevés.

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DEMOREST, MAX HARRISON, 1910-1942. Glacier regimens and ice movement within glaciers, *see* FLINT, R. F., & M. H. DEMOREST. Glacier thinning during deglaciation. 1942.

3854. DEMOREST, MAX HARRISON, 1910-1942. Ice sheets. (Geological Society of America. Bulletin, Mar. 1943. v. 54, p. 363-99, sketch map, diagrs.)

Analysis and classification of stresses responsible for ice flow, upon which are based the concepts that (1) rates of flow within an ice sheet are at a maximum under and downstream from the névé line, which is generally near the periphery, (2) areas of accumulation on extensive ice sheets are generally closer to the ice sheet margins than to the centers, and movement and erosion take place only under the marginal and near-marginal parts of an ice sheet, (3) the configuration of the Greenland ice sheet is most likely due to subsurface topographic control, (4) ice sheets generally originate by growth and expansion of piedmont glaciers formed at the base of glaciated highland areas, and (5) difference between shrinking ice sheets in the Antarctic and Greenland result from differences in the cause of shrinkage; in Greenland increased ablation, particularly at low altitudes causes shrinkage.—From the author's abstract.

Copy seen: DGS.

DEMOREST, MAX HARRISON, 1910-1942, *see also* Carlson, W. S. Greenland lies north. 1940.

DEMOREST, MAX HARRISON, 1910-1942, *see also* Odell, N. E. Recent views on ice sheets & glaciers. 1947.

3855. DE MOTTONI, G., and E. PUGNO-VANONI. Einige Instrumente, die von Prof. Aldo Pontremoli für die Polfahrt Nobiles im Jahre 1928 konstruiert worden sind. (*In:* Nobile, U. Die Vorbereitungen und die wissenschaftlichen Ergebnisse der Polarexpedition der "Italia". Petermanns geographische Mitteilungen. Ergänzungsheft, 1929. Nr. 205, p. 89-98, illus.) *Title tr.:* Some instruments constructed by Prof. Aldo Pontremoli for the Nobile flight, 1928.

Includes instruments for measure-

ment of gravity, magnetic and oceanographic research.

Copy seen: DGS; DLC.

3856. DENDY, ARTHUR, 1865- , and L. M. FREDERICK. Porifera. Ottawa, King's Printer, 1924. 8 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. J)

List, with descriptions and locations noted, of six species of sponges from waters between Bering Strait and Hudson Bay.

Copy seen: DSI-M.

3857. DEN'GIN, A. J. Eine Guanoreise nach Kolgijew. (Archiv für wissenschaftliche Kunde von Russland, 1863. Bd. 22, p. 263-66) *Title tr.:* A journey to study the guano of Kolguyev Island.

Brief account (from a note in Russian published in *Morskoi sbornik*. 1863) of Den'gin's effort to explore the commercial possibilities of guano, in the third decade of the 19th century.

Copy seen: DLC.

DENIS, LEO GERMAN, 1878- , *see* Canada. Commission of Conservation. Water-powers of Canada. 1911.

DENIS, THÉOPHILE CONSTANT, 1872- , *see* Quebec (Province). Bureau of Mines. Extracts from reports on Ungava. 1929.

DENIS, THÉOPHILE CONSTANT, 1872- , *see* Quebec (Province). Bureau of Mines. Géologie de Québec. 1941.

DENIS, THÉOPHILE CONSTANT, 1872- , *see* Quebec (Province). Dept. of Colonization, Mines & Fisheries. Extracts from reports on Ungava. 1913.

DENIS, THÉOPHILE CONSTANT, 1872- , *see* Quebec (Province). Dept. of Colonization, Mines & Fisheries. Extracts from reports on Ungava. 1915.

3858. DENISON, MERRILL, 1893- . Klondike Mike, an Alaskan odyssey. New York, W. Morrow & Co., 1943. xiv, 393 p. 21 plates, map on lining-papers.

Story of the Gold Rush days, 1898-1904, told within the framework of a biography of one of Alaska's best known sourdoughs.

Copy seen: DLC; NNStef.

3859. DENISON, WEBSTER, and others. Alaska today, by B. W. Denison and associates. Caldwell, Idaho, Caxton

Printers, 1949. xiv, 374 p. illus., ports., maps. By fifty prominent Alaskans and W. Denison.

Presents a picture of the resources, industries, opportunities, cost of living, transportation, natives, education, government, history, and a who's who in Alaska. *Copy seen:* DLC; NNS Stef. (page proof copy).

3860. DENISOV, E. I. Otchet o rabotakh khibinskoï geologicheskoi partii po razvedke Aikuaiventchorra i Lovchorra. (*In:* Khibinskie apatity, 1932. T. 2, p. 400-402) *Title tr.:* Report on the work of the Khibina geological survey party in Aykuayventchorr and Lovchorr.

Contains data on petrology, tectonics, and mineral resources of the region based on a survey by the Geological Section of the Kola Expedition in 1930.

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3861. DENMARK, D. E. James Bay beaver conservation. (Beaver, Sept. 1948. Outfit 279, p. 38-43, illus., sketch map, diagr.)

Notes on the establishment of the ten sanctuaries extending inland from eastern and western shores of James Bay, and on Charlton and Akimiski Islands; remarks on the natural history of the beaver, methods of transplanting and care, and on Indian cooperation.

Copy seen: DSI-M.

3862. DENMARK. GEODÆTISK INSTITUT. The seismological stations Kopenhagen and Scoresby-sund. Copenhagen, 1930. 32 p. illus. 12 plates (incl. map)

The station proper, and the pendulum cellar at Scoresby Sound are described and illustrated. The instrumentation (including the recording apparatus) are also described, photographed and diagrammed.

Copy seen: DLC.

3863. DENMARK. GRØNLANDS STYRELSE. Beretninger og kundgørelser vedrørende kolonierne i Grønland for aarene . . . København, J. H. Schultz A/S, 1882-1948. *Title tr.:* Proceedings and communications concerning the colony in Greenland for the years . . .

Basic official administrative documents, published 1882-1908 by Director of the Royal Greenland Trade (Direktoret for den Kgl. Grønlandske Handel), then by the office of the Greenland Administration in Copenhagen. Issued

from time-to-time (4-5 times) during the year, with title-pages and (usually) indexes for binding in (usually) five-year periods, e.g. (file seen at NN) 1923-27, p. 591-870; 1928-32, xx, 1060 p.; 1933-37, 1172 p.; 1938-45, 1032 p. The volumes include maps (part fold.), plans, diagrs. and other illustrative matter.

The documents comprise instructions to officials, proposed laws, and laws, regulations, etc., enacted; proceedings of the colonial council of South Greenland to 1938, in Greenlandic; also of the joint sessions of the colonial councils of South and North Greenland, 1940-43, 1945-48, in Danish and Greenlandic. The laws, proceedings, official announcements, statistical data, financial statements, etc., concern various interests and phases of life in Greenland: navigation, schools, the church, conservation of wildlife, fire and insurance, population, health and diseases, mining and fishing industries, trade, radio and telegraph, etc.

The volume (1032 p.) covering 1938-45 includes numbers (1942-45) containing statistical data issued as Denmark. Grønlands styrelse. *Sammendrag af oplysninger om Grønland*, q.v. A cumulative index 1913-37 was published as: *Registre til Beretninger og kundgørelser vedrørende Grønlands styrelse*, 1913-37, og *Tjenestemeddelelser vedrørende Grønlands styrelse*, 1925-37. København, J. H. Schultz, 1939. 66 p. (copy in NN).

Its Communications (*Kundgørelser*) are issued separately, beginning with 1938, and appear in this Bibliography under Denmark. Grønlands styrelse. *Kundgørelser*. Its South Greenland Council Proceedings (*Landsraads Forhandling*) are issued separately, beginning with 1938, and appear in this Bibliography under Greenland. Landsraad.

Files available: DLC (1909-); NN (1923-); ICU (1902-).

3864. DENMARK. GRØNLANDS STYRELSE. *Kundgørelser vedrørende Grønlands styrelse.* København. J. H. Schultz A/S. 1938- (in progress). *Title tr.:* Communications concerning Greenland administration. Published as part of its *Beretninger og kundgørelser*, before 1938.

Contains notification, with text or excerpts, of regulations on local and

Greenlandic affairs, international agreements, etc.; e.g. the entire issue nr. 2 for 1947, comprising p. 91-111, is a consolidation of laws and regulations for Cape York and Thule stations, 1930-47; nr. 3, 1947, East Greenland.

File seen: NN (1938-).

3865. DENMARK. GRØNLANDS STYRELSE. Sammendrag af statistiske oplysninger om Grønland. København, Arnskovs bogtr.; J. H. Schultz A/S, 1942-1945. 5 pt.: p. 383-776, 995-1032, diags., maps, tables. (*Its*: Beretninger vedrørende Grønlands styrelse, 1942, nr. 1; 1943, nr. 1; 1944, nr. 1; 1945, nr. 1-2, 5) **Title tr.:** Summary of statistical information about Greenland.

Basic reference work. A statistical abstract prepared from official sources by Knud Oldendow, and issued as parts 1-5 and index, as numbers (noted above) of the annual proceedings of the Greenland Administration.

Contains data on the geography, climate, ice conditions, vegetation, wildlife, population, administration, courts of justice, public funds, social benefits, shipping, navigation, mining activities, cattle raising, fur production, transportation, implements for sealing, etc., sealing industry, whaling, hunting of land mammals and birds, fisheries, postal and telegraph facilities, fish oil production, ship building, public buildings, scientific investigations, trade and interchange of commerce between Denmark and Greenland. Pt. 5 is a conspectus of the work of the Commission for Scientific Investigation in Greenland, including tabular record of expeditions noting leaders, finances, published results, fields of interest, etc.

Copy seen: NN.

3866. DENMARK. GRØNLANDS STYRELSE. Tjenestemeddelelser vedrørende Grønlands styrelse. København, J. H. Schultz A/S, 1945-1947. 1945, no. 5, p. 189-96; 1946, no. 1-7, p. 197-340; 1947, no. 1-4, p. 79-92, tables. **Title tr.:** Official communications concerning Grønlands styrelse (Administration of Greenland).

Re-publication of ordinances and regulations issued in limited editions during the war years 1940-45 (nr. 5, 1945); publication of appointments in Greenland; transfers; shipping and navigational matters; coal, oil and food provisions for Greenland; recent in-

structions and regulations; retirements, etc.

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3867. DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND. Bemaerkninger till kaartet fra Tiningnertok til Julianehaab fra 62°18' til 60°30' N. B. paa Grønlands vestkyst. (Meddelelser om Grønland, 1892, pub. 1893. 7. hefte, p. 145-62 incl. map, tables, plate IX (fold. map)) **Title tr.:** Remarks on a map of the west coast of Greenland from Tiningnertok to Julianehaab (62°18'-60°30'N.)

The map, which shows colonies, trading posts, settlements and altitudes, was drawn by J. A. D. Jansen during the Expedition to Frederikshaab District in 1877 (62°18'-61°20'N.), and (61°20'-60°30'N.) by J. C. D. Bloch during his trip in that region in 1890.

Includes report by Bloch describing his trip, the geography of Frederikshaab Iceblink and the region surveyed, also tables of altitudes and magnetic variations for several points.

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3868. DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND. Fortegnelse over Meddelelser om Grønland afsluttet i marts 1938. Udarbejdet af H. Bistrup. [København, C. A. Reitzel, 1938] **Title tr.:** List of Meddelelser om Grønland completed in March, 1938, prepared by H. Bistrup. Supplement no. 1, November 1938, to list of Meddelelser om Grønland completed March, 1938. 52 col.; 2 col.; (in double col.)

Supercedes previous lists of 1918, 1931, of these papers "Proceedings on Greenland," issued by the Danish Commission for Scientific Investigations in Greenland.

Copy seen: DLC.

3869. DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND. Indberetning til Indenrigsministeriet om undersøgelser i aarene 1878, 1879 og 1880 paa vestkysten af Grønland. (Meddelelser om Grønland, 1881. Bd. 2, p. 209-220) **Title tr.:** A review of the Danish Greenland Commission's research on the west coast of Greenland during 1878-1880.

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3870. DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND. Indberetning

til Indenrigsministeriet om undersøgelserne i aarene 1876, 1877 og 1878. (Meddelelser om Grønland, 1879. Bd. 1, p. 1-15) *Title tr.*: Report of the Danish Greenland Commission's research work of 1876-1878.

Brief sketch of West Greenland investigations. Summary in French at end of volume.

Copy seen: DLC.

DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND, *see also* Denmark. Grønlands styrelse. Sammen drag af statistiske oplysninger. 1942-45.

DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND, *see also* Greenland. 1928-29.

DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND, *see also* Kornerup, T. O. Oversigt over Meddelelser om Grønland, 1876-1926. 1926.

DENMARK. KOMMISSIONEN FOR VIDENSKABELIGE UNDERSØGELSER I GRØNLAND, *see also* Mathiasen, T. Old Eskimo culture in W. Greenland. Report. 1930.

3871. DENMARK. METEOROLOGISKE INSTITUT. La banquise dans les mers à l'est du Groenland et dans le détroit de Davis pendant l'année 1895-1898. (*In its*: Observations météorologiques-nautiques, 1895-1898. 6 charts in each) *Title tr.*: Drift ice in the seas east of Greenland and in Davis Strait, 1895-1898. Text in French and Danish.

Based on ships' reports of ice conditions in Barents and Greenland Seas, Svalbard waters and Baffin Bay-Davis Strait, notes for each month, Mar.-Aug. in areas where ice occurs.

Copy seen: DLC.

3872. DENMARK. METEOROLOGISKE INSTITUT. Havets overfladetemperatur i det nordlige Atlanterhav og Davis-Stræde 1895-1939. (*In its*: Nautisk-meteorologisk aarbog, 1895-1939, *pub.* 1896-1940, 12 charts in each no.) *Title tr.*: Sea surface temperature in the North Atlantic Ocean and Davis Strait, 1895-1939.

Monthly mean isotherms for an oceanic area which includes Denmark and Davis Straits. *File seen:* DWB.

3873. DENMARK. METEOROLOGISKE INSTITUT. International code for polar ice. København, 1937. 9 p.

Contents: A. The code, and symbols and their meanings. B. Detailed description of the ice code. Code 1. Change in the ice. 2. Character of the ice. 3. Direction of the ice-drift. 4. Direction to open water or water-sky. 5. Speed of ice-drift. 6. Extent of the sea covered by ice. 7. Possibility of navigation for steam or motorships. 8. Thickness of the ice. 9. Visibility. 10. Octant of the globe where the ship is. 11. Compass directions.

Copy seen: DN-HO (photostat).

3874. DENMARK. METEOROLOGISKE INSTITUT. Isforholdene i de Arktiske Have. The state of the ice in the arctic seas, 1900-1939, 1946. København, 1901-1940, 1948. 40 nos. 5 charts in each no., tables. (*In its*: Nautisk-meteorologisk aarbog. Nautical meteorological annual, 1900-1939) Text (in Danish and English) prepared, 1900-1908, by V. Garde; 1909-1934, by C. I. H. Speersneider; 1935- , by H. Thomsen.

Information from the numbers for 1935-38 was also published by the U. S. Army Air Forces. Directorate of Weather, *Summary of ice Arctic seas 1935-38*, 1942, q.v. Based on reports sent to the Danish Meteorological Institute by ships' "captains, scientists and others who have been in touch with the arctic regions", including scientific institutions and government agencies in various countries.

Text summarizes reports, giving information for all years on the region of Baffin Bay-Davis Strait, Hudson Strait, Greenland Sea, Svalbard waters, and Barents Sea, and for some years on seas eastward from Novaya Zemlya, mainly Bering Strait and Sea. *Charts* for each year, Apr.-Aug., indicate state of the ice (unbroken polar ice, landfloe, open ice, etc.) and observed limits between open sea and ice, supposed ice but no information, and average limits over twenty-five years. *Tables* are appended listing ships with observers, localities and time period for each. Issues for the years 1940-45 in preparation; 1939 not located.

File seen: CaMAI (1946); DWB (1900-38).

3875. DENMARK. METEOROLOGISKE INSTITUT. Meteorologisk aar-

bog for 1873— København, 1874— v. 1, 1873— in progress.

Contents include a tabulation of meteorological observations made at second order stations along the east and west coasts of Greenland two to three times daily and a monthly résumé of observations made at all orders of stations in Greenland beginning from Oct. 1873, to date. *File seen:* DWB.

3876. DENMARK. METEOROLOGISKE INSTITUT. Observations météorologiques, magnétiques et hydrométriques de l'île de Danemark dans le Scoresby Sound — 1891-92 — faites par l'expédition danoise sous la direction de M. C. Ryder. Pub. par l'Institut météorologique de Danemark. Copenhague, G.-E. C. Gad, 1895. [126] p. front., illus., maps, tables, diagrs. *Title tr.:* Meteorological, magnetic and hydrometric observations made at Denmark Island, Scoresby Sound, 1891-92, by the Danish Expedition under C. Ryder.

Results of the Danish Expedition to East Greenland 1891-92, under C. H. Ryder to make scientific observations from a station established on Denmark Island (70°30'N. 26° W.) in Scoresby Sound. The introduction (5 p.) by C. H. Ryder outlines the geographic conditions of Scoresby Sound region, the expedition's choice of site for winter quarters on Denmark Island (Hekla Havn at 70°26'46"N. 26°11'46"W.), the buildings and equipments installed and scientific work undertaken.

Contents tr.: Ryder, C. H. Introduction.

JANTZEN, V. Meteorological observations.

VEDEL, H. Aurora borealis.

VEDEL, H. Magnetic observations.

CRONE, C. Tides at Denmark Island, Scoresby Sound.

Each paper is paged individually and, excepting the Introduction, appears in this Bibliography under its author's name. *Copy seen:* DLC.

3877. DENMARK. METEOROLOGISKE INSTITUT. The state of the ice in the waters E. and W. of Greenland, 1899. (*In its:* Nautisk-meteorologisk aarbog, 1899, pub. 1900. p. ix-xxiii, 6 charts) Text (prepared by V. Garde) in Danish and English.

Based on ships' reports on ice conditions, March through August, in Sval-

bard waters, Barents and Greenland Seas, Denmark Strait, and Baffin Bay-Davis Strait; notes for each month in areas where ice occurs.

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DENMARK. METEOROLOGISKE INSTITUT, *see also* Garde, V. Vindkort over d. nordligste del af Atlanterhavet. 1900.

DENMARK. METEOROLOGISKE INSTITUT, *see also* International Polar Year. 1st, 1882-1883. Expédition danoise. Observations faites à Godthaab. 1886-94.

DENMARK. Ministerial Commission for Scientific Investigations in Greenland, *see* DENMARK. Kommissionen for videnskabelige undersøgelser i Grønland.

3878. DENMARK. SØKORTARKIV. Den grønlandske lods. 1. del, Vestgrønland. København, 1948, 368 p. illus., maps. *Title tr.:* Sailing directions for Greenland. Pt. 1, West Greenland.

Covers the coast from Julianehaab Distrikt to Humboldt Brae in Kane Basin. *Copy seen:* DN-HO.

3879. DENMARK. SØKORTARKIVET. Oplysninger om besællingen af Arsuksfjorden i Syd-Grønland, af C. Normann. København, Kongelige søkaart-archiv, 1866. 2 p. l., [3]-15, [1] p. *Title tr.:* Directions for the navigation of Arsuks Fiord in South Greenland, by C. Normann.

Discusses the Labrador or Arctic Current, its influence on ice conditions and navigation off southern Greenland; the ice belt and icebergs in Davis Strait, sailing directions to Arsuks Fiord and to points in the fiord, etc.

Copy seen: DLC; NN.

3880. DENMARK. TREATIES. Bekendtgørelse af en noteudveksling angaaende mestbegünstigelsesbehandling for britiske statsborgere, selskaber og skibe i Østgrønland. (Grønlandske selskab. Aarsskrift, 1925-26. p. 134-35) *Title tr.:* Official publication of an exchange of notes concerning preferential treatment for British subjects, companies and ships in East Greenland.

Contains permission for British subjects to establish meteorological, scientific and other stations in East Greenland, and to use its waters for navigation, hunting and fishing, etc.

Copy seen: NN.

3881. DENMARK. TREATIES. Bekendtgørelse af en noteudveksling angaaende mestbegunstigelsesbehandling for franske statsborgere, selskaber og skibe i Østgrønland. (Grønlandske selskab. Aarsskrift, 1925-26. p. 135-36) *Title tr.*: Official publication of an exchange of notes concerning preferential treatment for French citizens, companies and ships in East Greenland.

Contains permission for French citizens to establish scientific, meteorological and other stations in East Greenland, and to use its waters for navigation, fishing and hunting, etc.

Copy seen: NN.

3882. DENMARK. TREATIES. Noter udvekslet mellem det danske gesandtskab i Oslo og det norske Udenrigsministerium angaaende spørgsmaalet om politimyndighed i Østgrønland og indbringelse af de mellem Danmark og Norge bestaaende uoverensstemmelser m. H. t. suveræniteten over Østgrønland, for forligsnaevn eller domstol. (Grønlandske selskab. Aarsskrift, 1930-31. p. 155-67) *Title tr.*: Exchange of notes between the Danish legation in Oslo and the Norwegian Ministry of Foreign Affairs concerning the question of police powers in East Greenland and adjustment of existing disagreements, with relation to the sovereignty over East Greenland, before a jury of conciliation or a court.

Contains an exchange of notes culminating in the occupation of East Greenland from 71°30' to 75°40'N. by Norway, July 10, 1931; referral of question to the permanent international court.

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3883. DENMARK. TREATIES. Noter udvekslet mellem udenrigsministeriet og det norske gesandtskab i København angaaende forstaaelsen af art. 4 i Østgrønlandsoverenskomsten d. 9 juli 1924. (Grønlandske selskab. Aarsskrift, 1930-31. p. 148-54) *Title tr.*: Exchange of notes between the Ministry of Foreign Affairs and the Norwegian legation in Copenhagen concerning the interpretation of article 4 in the East Greenland agreement of July 9, 1924.

Clarifies points pertaining to colonization, erection of stations, huts, also hunting, fishing and expeditions, etc., in agreement on sovereignty and rights in East Greenland of July 9, 1924, between Denmark and Norway.

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3884. DENMARK. TREATIES. Overenskomst mellem Danmark og Norge angaaende Østgrønland. (Grønlandske selskab. Aarsskrift, 1923-24. p. 57-61) *Title tr.*: Agreement between Denmark and Norway concerning East Greenland.

Contains articles of agreement covering East Greenland from Lindenovs Fjord (60°27'N.) to Nordostrundingen (81°N.), with the exception of the Angmagssalik district, and establishing rules for the use of this territory and its nearby waters by Danes and Norwegians. Includes documented remarks by the Danish and Norwegian delegations.

Copy seen: NNStef.

DENMARK. TREATIES, *see also* U. S. Treaties. Grønlandsoverenskomsten. 1946.

3885. DENMEAD, TALBOT, 1877- , and ESTHER E. DODD. Whaling on the west coast of North America, 1911-1938, with special emphasis on the 1937 and 1938 operations at Akutan, Alaska. (Pacific Science Congress. 6th, 1939. Proceedings, 1940. v. 3, p. 237-39, fold. map)

Analysis of statistics on numbers, species, sex, size, and production of oil, etc.

Copy seen: DGS.

3886. DENNIS, JAMES TEACKLE, 1865-1918. On the shores of an inland sea. Philadelphia, J. B. Lippincott Co., 1895. 79 p. front., illus.

Description of the trip to Sitka by the Inside Passage.

Copy seen: DLC; NNStef.

DENNY, CHARLES STORROW, 1911- , *see* Raup, H. M., & C. S. Denny. Photo interpretation vegetation. 1948.

3887. DENTON, VERNON LLEWELYN, 1881-1944. The far West coast. Toronto, J. M. Dent & Sons, Ltd., 1924. ix [1], 297. [1] p. illus. (incl. ports, maps)

Contents include: Vitus Bering, the second voyage. Captain James Cook. Captain George Vancouver.

Copy seen: DLC; NNStef.

3888. DENUCE, JEAN, 1878- . Composition des états-majors scientifiques et maritimes des expéditions arctiques et antarctiques entreprises depuis l'année 1800. (International Polar Commission. Proceedings. Session of 1908. p. xlv-cxliv) *Title tr.*: Composition of

arctic and antarctic expeditions since 1800, by the major scientific and maritime nations. *Copy seen:* DLC.

De QUERVAIN, ALFRED, *see* QUERVAIN, ALFRED De, 1879-1927.

3889. DeRANCE, CHARLES EUGENE, 1847-1906. The geology of the arctic regions. (Manchester Geological Society. Transactions, 1877-78, *pub.* 1878. v. 14, p. 441-47)

Remarks before an ordinary meeting of the Society, Apr. 1878, on the rocks and fossils brought home by H. Feilden, of the British Arctic Expedition, 1875-76 from the Parry Archipelago, Ellesmere Island region; with discussion from the floor. *Copy seen:* DGS.

3890. DeRANCE, CHARLES EUGENE, 1847-1906. Known facts and unknown problems of arctic geology. (Geologists' Association, London. Proceedings, July 1876. v. 4, p. 460-80)

Paper read before the Association, Mar. 1876, presenting results of geological exploration in the North American and European Arctic, carried out by various nations in the 19th century. *Copy seen:* DGS.

DeRANCE, CHARLES EUGENE, 1847-1906, *see also* Feilden, H. W., & C. E. DeRance. Geology of coasts arctic lands. 1878.

DeRANCE, CHARLES EUGENE, 1847-1906, *see also* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

DERÛGIN, K. K., *see* Burakovskii, K. V., & K. K. Derûgin. Nul' glubin v moriakh Sovetskoi Arktiki. 1940.

3891. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Das Barents-Meer längs dem Kola-Meridian (33°30' östl. L.). (Internationale Revue der gesamten Hydrobiologie und Hydrographie, Aug. 1924. Bd. 12, p. 145-74, fold. chart, 2 fold. diagrs.) *Title tr.:* The Barents Sea along the Kola meridian (30°30'E.)

Based on the observations made by the Murman Biological Station cruise, May and August 1921. A succinct discussion of (1) the temperature, salinity, oxygen, bottom relief and sediments; (2) the bottom fauna; and (3) a summary characterizing the currents, water masses, ice, fauna distribution, and seasonal variation in plankton.

Charts, etc. show (1) stations, 1921, limits of the warm current, of subarctic bottom fauna, and of drift ice (mean curve 1898-1913), and occurrence of certain arctic bottom species; (2) vertical distribution of temperature and salinity, 69°30'-72°30'N. along the Kola meridian in May; and (3) same, 69°30'-75°N., in August. *Copy seen:* DLC.

3892. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Barentsovo more po Kol'skomu meridianu (33°30' v. d.) Moskva, Leningrad, 1924. 102, [1] p., illus., plate, map, diagrs. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy. Vyp. 19) *Title tr.:* Barents Sea along the Kola meridian (33°30'E.)

A report on oceanographic and hydrobiological studies made in 1921-23 for the Northern Scientific and Economic Expedition, 1920-1926, with data on temperatures, salinity, transparency, bathymetry and benthos. Bibliography, p. 101-102. Summary in English. *Copy seen:* DLC.

3893. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Explorations of the Pacific Scientific Expedition of the State Hydrological Institute (U.S.S.R.) in 1932. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, *pub.* Toronto, 1934. v. 3, p. 2163-66, map)

Summary of route and results of oceanographic explorations in the Sea of Okhotsk and Bering Sea, by part of Pacific Scientific Expedition, 1932 (Tikhookeanskaiâ nauchnaiâ êkspeditsiia, 1932). Deals particularly with non-economic marine biology, including fauna of abyssal deeps.

Map shows location of hydrological stations. Copy seen: DLC.

3894. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Fauna Ekaterinskoi gavan i okrestnykh uchastkov moriâ. (In: Derûgin, K. M., and others, Murmanskaiâ biol. stantsiia 1899-1905, *pub.* 1906, p. 126-57, 2 plans) *Title tr.:* Fauna of Catherine Harbor and adjoining parts of the sea.

Contains a list of 58 stations, for 1904-05, in this harbor (of Murmansk) and Kola Bay, with tabulated data on location, dredging equipment, sea bottom and depth, and a systematic list of over five hundred species of marine

fauna, determined by the author and 18 collaborators; Rhizopoda, by S. V. Averintsev; Radiolaria, Ciliata and Medusae, by A. K. Linko; Hydrozoa, by G. Shidlovskii; Turbellaria, by L. v. Graff; Nemertini, by S. M. Rozanov; Nematodes, by S. N. Savel'ev; Annelides, by N. A. Biruliā and M. M. Solov'ev; Gephyrei, by A. S. Skorikov; Bryozoa, by G. A. Klūge; Crustacea, by A. K. Linko, E. E. Brügggen and K. M. Derūgin; Echinodermata, by M. Mikhailovskii, V. Dogel', M. Kalishevskii and V. Soldatov; Pantopoda, by V. M. Shimkevich; Mollusca, by N. M. Knipovich; Tunicata, by V. V. Redikortsev; and Pisces, by K. M. Derūgin.

Copy seen: MH-Z.

3895. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Fauna Kol'skago zaliva i usloviā eia sushchestvovaniā. Petrograd, 1915. ix, 929 p. illus., 14 plates, 14 maps (part col., fold., or sketch maps), tables, diagrs. (Akademiā nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique. v. 34, no. 1) *Title tr.:* The fauna of Kola Inlet and the conditions of its existence.

A detailed study of Kola Inlet and its fauna, largely based on the author's work in August, 1908, and in the summer of 1909 aboard a schooner specially built for the Murmansk Biological station.

Contains the following: Part I (p. 1-280): The methods of investigation and the material.

Topographic sketch of Kola Inlet. Survey of the investigations of the fauna in Kola Inlet before 1908. The schooner *Aleksandr Kovalevskii* and its equipment. The general course of the investigations of Kola Inlet in 1908-09, and a survey of the literature on that expedition published in 1909-11. The hydrographic work in 1908-09. The journal of the zoological work of 1908-09, with lists of species by stations.

Part II (p. 281-610): The fauna and flora of Kola Inlet.

A systematic, annotated list of protozoans, sponges, coelenterates, worms, bryozoans, brachiopods, hemichordates, echinoderms, crustaceans, arachnids, molluscs, tunicates, fishes, (49 species; list based largely on earlier work of Murmansk Biological station) and mammals (based on literature). This list gives localities and some synonyms, of over one thousand species, about two

hundred and fifty new for Kola Inlet, many new for Russian waters, and "a few species and one genus" new to science. The flora (one hundred and thirty-nine species) of Kola Inlet.

Part III (p. 611-929): Ecology and biogeography.

Climatic sketch of the region of Kola Inlet. The geological past of Kola Inlet, and the general characteristics of its bottom sediments. Relief of the sea-floor and the distribution of sediments. The hydrological characteristics of Kola Inlet (depth, temperature, salinity, specific gravity, chemical analysis, transparency, color, and currents at 23 stations). Zoogeographical regions. The composition of the sea-floor, zones of Kola Inlet. Plankton (182 species). Catherine Harbor and its fauna. General character of the fauna of Kola Inlet and its past. Comparison of the fauna of Kola Inlet, with the fauna of neighboring seas. Biological and biogeographical phenomena. Cosmopolitanism and the bipolar theory. Bibliography (about 520 items, Russian and foreign).

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3896. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Istoricheskie ocherk. Uchrezhdeniā stantsii. Prisoobleniā dlia nauchnykh rabot. Ekaterinskaiā gavan' i eia okrestnosti. Ėkskursii i kharakter fauny okrestnykh chastei moriā. Spisok lit'sh rabotavshikh na stantsii. Spisok statei kasaiushchikhsia stantsii. Instruktsiā dlia zaniimaiushchikhsia. Katalog biblioteki stantsii. (*In:* Derūgin, K. M., & others. Murmanskaiā biol. stantsiā 1899-1905, pub. 1906, p. 1-67. illus., 10 plates, 2 maps, 4 plans; p. 87-101; p. 174-227)

Title tr.: Historical sketch. Buildings of the station. Equipment for scientific work. Catherine Harbor and vicinity. Excursions and character of the fauna of adjoining parts of the sea. List of scientific workers. List of published works. Instruction for research workers. Catalog of the library.

Contains an extensive historical sketch of Murman Biological station of the St. Petersburg Society of Naturalists, covering five years, from the time of the transfer of the station from Solovetsk Island, in 1899, to the shore of Ekaterine gavan' (Catherine Harbor) near Aleksandrovska (now Murmansk) on the Murman coast (69°12'N. and 32°28'E.). Description of the sta-

tion, its facilities and equipment, a geographical sketch of Catherine Harbor and Kola Bay, brief data on the flora of the coastal region and more detailed notes on plankton and marine fauna.

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3897. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. K faune Belogo moriā. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1927. T. 57, vyp. 2, p. 103-22) *Title tr.*: Contribution to the fauna of the White Sea.

Contains a review of the study of White Sea fauna, carried out by the author and a group of collaborators, in 1922-26; a list of over one hundred additional marine fauna, including fourteen new species, based on previous work of various specialists, data on ecology and zonal distribution (littoral, sublittoral, elittoral and pseudoabyssal zones), and two lists of fifty-seven species typical for the pseudoabyssal zone and one hundred six for elittoral zone (sponges, hydroids and bryozoans). Summary in German.

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3898. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. K faune Kol'skogo zaliva. IV. Raboty na Murmanskoi biologicheskoi stantsii v 1921 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1925. T. 54, vyp. 1, p. 3-16, illus.) *Title tr.*: On the fauna of Kola Bay, IV. Work on Murman Biological Station in 1921.

Contains data on research at Murman Biological Station carried out by a group of students under direction of the author in 1921; with a tabular record of sea-water temperature at various levels, comparison with similar data for 1909, and a list of fourteen species of marine molluscs new to the fauna of Kola Bay, and notes on the more interesting marine animals of other classes. This is the continuation of author's, *K faunē Kol'skogo zaliva*, I-II. 1910-11, q.v. Summary in German.

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3899. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. K faunē Kol'skogo zaliva. Raboty na shkhunē "Aleksandr Kovalevskii", I-v 1908 g.; II-v 1909 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1910. T. 41, vyp. 1, p. 101-25, 130-31,

text map; (II), 1911. T. 42, vyp. 1, p. 38-62, 99-100) *Title tr.*: On the fauna of Kola Bay. Work on board the schooner *Aleksandr Kovalevskii*, I, in 1908; II, in 1909.

Contains a general review of faunal work carried out in 1908 (pt. I) and in 1909 (pt. II), in Kola Bay, on board the *Aleksandr Kovalevskii*, a schooner of Murman Biological Station; with lists of marine animals collected each year, determined by various specialists: Flagellata, by V. A. Dogel'; Spongia, by L. L. Breitfus (1909) and W. Lundbeck; Hydroidea and Schizopoda, by A. K. Linko; Annelides, by B. S. Lukash; Bryozoa, by G. A. Klūge; Gephyrei, by G. Gadd; Amphipoda, by E. E. Briuggen; Pantopoda, by V. A. Dogel' and V. M. Shimkevich; Tunicata, by V. V. Redikortsev and R. Hartmeyer; Mollusca, by N. M. Knipovich; the rest, by the author. Summary in German.

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3900. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Kosmopolitizm i bipolīarnaia teoriia. (Priroda, 1916, no. 2, col. 186-202) *Title tr.*: Cosmopolitism and the bipolar theory.

Discussion of the bipolar theory of distribution of zoological forms with examples of typically bipolar species, i.e. species common to both the arctic and the antarctic regions.

Copy seen: DF.

3901. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Murmanskaiā biologicheskaiā stantsiia i fauna Kol'skogo zaliva. (Priroda, 1919, no. 4-6, col. 215-34, illus.) *Title tr.*: The Murmansk Biological Station and the fauna of Kola Bay.

Account of the activities of this station and a general description of the marine fauna characteristic of the region.

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3902. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Novaiā forma treski iz oz. Mogil'nogo (os. Kil'din). (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1920. T. 51, vyp. 1, p. 26-28, 46-49) *Title tr.*: A new form of cod from Lake Mogil'noye (Kildin Island).

Contains an ichthyological study of a peculiar form of cod, *Gadus calliaris kildinensis*, n. subsp., living in lower, salt-water levels of the relict lake,

Mogil'noye on Kildin Island, off the Murman coast; a table of dimensions of ten specimens of this form and comparison with White Sea and Baltic forms. The author proposes a new name, *Gadus calliaris maris albi*, for White Sea cod which he considers a distinct race (no description). Text in Russian and German.

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3903. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Otchet po oborudovaniû Murmanskoï biologicheskoi stantsii i lîtniia zooloicheskiiâ raboty na nei v 1903 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1904. T. 35, vyp. 1, p. 98-123, 3 plates) *Title tr.:* Report on the equipment of Murman Biological Station and zoological work in the summer of 1903.

Contains data on the most interesting species of marine fauna of Kola Bay and a table of meteorological observations for June-Aug., 1903, at Aleksandrovsk (69°12'N. 33°28'E.), the site of Murman Biological Station.

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3904. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Ozeanographische Forschungen im Weissen Meere. (Arktis, 1921, Jahrg. 2, p. 101-110, illus., fold. chart and diagr., Jahrg. 3, p. 6-13, incl. sketch chart) *Title tr.:* Oceanographic research in the White Sea.

Contains (in pt. 1) a summary of the bathymetry, temperature, salinity, oxygen and current system; in pt. 2, the plankton, bottom fauna and vertical distribution of marine fauna.

Copy seen: DLC; NNS Stef.

3905. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, editor. Pantopoda arkticheskikh morei SSSR. Leningrad. Izd-vo Glavsevmorputi, 1935. 140 p. illus. (incl. maps), tables, diagrs. (Leningrad. Vsesoiûznyĭ arkticheskii institut. Materialy po izucheniiu Arktiki. No. 4) *Title tr.:* Pantopoda of the polar seas within U.S.S.R.

Descriptions of thirty species of sea spiders, discussion of their distribution in the White, Barents, Kara, and Laptev Seas, and of biological aspects in their development. Bibliography (44 items). Summary in English.

Copy seen: DLC.

3906. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Perekhod iakhty "Aleksandr Kovalevskii" iz S.-Peterburga v port Aleksandrovsk na Murmanë. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1910. T. 41, vyp. 1, p. 45-60, 2 plates) *Title tr.:* A trip of the yacht *Alexander Kovalevskii* from St. Petersburg to Port Aleksandrovsk on the Murman coast.

Contains an account of the maiden voyage, July 12-Aug. 1, 1908, of the Murman Biological Station's schooner *Aleksandr Kovalevskii*, from St. Petersburg via the Baltic, North, Norwegian and Barents Seas to the port Aleksandrovsk in Kola Bay, the site of the station. Includes data on the schooner's special equipment for faunal research in arctic waters and scattered notes on marine fauna. *Copy seen:* MH-Z.

3907. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Der Reliktensee Mogilnoje (Insel Kildin im Barents-Meer). (In: Fauna arctica, 1923. Bd. 5, p. 491-560, illus., 4 plates, tables, 2 sketch charts, diagrs.) *Title tr.:* The relict lake Mogilnoye (Kil'din Island in Barents Sea).

Contains a description (in brief) of the physical geography of the island and the strait separating it from the Murman coast (69°20'N. 34°13'E.). Discussion of the lake's general topography, bottom relief, tides, temperature, salinity, oxygen, hydrogen sulphide, and bacteria as a factor in the lake's gas content. Lists and discussion of the algae, the phyto- and zooplankton, the bottom fauna (invertebrates and fishes) and the life zones. A comparison of Lake Mogilnoye with the relict lakes on Novaya Zemlya. A summary, and a bibliography (64 items).

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3908. DERÛGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Spisok stantsii i rabot v Kol'skom zal. za 1908 i 1909 gg. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1911. T. 42, vyp. 1, p. 63-78, 101, fold. map) *Title tr.:* List of the stations and work carried out, in 1908 and 1909 in Kola Bay.

Contains preliminary data on faunal work carried out in 1908 and 1909, on board the schooner *Aleksandr Kovalevskii* in Kola Bay: 1. List of stations for bottom dredging with tabulated data on locality, date, ground, depth

and equipment used for catch. 2. List of stations for plankton study with the same data. 3. List of hydrological work with data on salinity, temperature and oxygen content of sea water. These data refer to works described in the author's *K faune Kol'skogo zaliva, I-II*, 1910-1911, q.v. Summary in German. **Copy seen:** MH-Z.

3909. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938. Zametka o tak nazyvaemoi *Pleuroleura walteri* Krause. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1929. T. 59, vyp. 1, p. 11-12) **Title tr.:** Note on the so-called *Pleuroleura walteri* Krause. **Contains** a change of the name of a mollusc (occurring in Kola Bay and known also in Greenland and West Spitsbergen) from *Pleuroleura walteri* Krause to *Heterodoris robusta*. Summary in German. **Copy seen:** DLC.

3910. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, and E. F. GUR'ANOVA. Novye vidy molliuskov iz russkikh severnykh morei. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1926. T. 56, vyp. 1, p. 17-26, plate) **Title tr.:** New species of molluscs from northern Russian seas. **Contains** a list of the stations and Russian and German descriptions of four new forms of molluscs from Barents and White Seas, including one from Matochkin Shar Strait (Novaya Zemlya). Summary in German. **Copy seen:** DLC.

3911. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, and others. Murmanskaiā biologicheskaiā stantsiia 1899-1905. S. Peterburg, G. P. Pozharov, 1906. vii, 227 p. illus., 10 plates, 5 maps, 4 plans. (Leningradskoe obshchestvo estestvoispytatelei. Trudy. T. 37, vyp. 4) **Title tr.:** Murman Biological Station, 1899-1905. **Contents tr.:** SOLOV'EV, M. M., List of Annelides of Catherine Harbor and adjoining parts of the sea.

DERŪGIN, D. M. Historical sketch. Buildings of the station. Equipment for research work. Catherine Harbor and vicinity. Excursions and character of the fauna of adjoining parts of the sea. List of scientific workers. List of published works. Instruction for research workers. Catalog of the library.

SAVELEV, S., Meteorological data

in Aleksandrovsk for the years 1900-1904.

BREITFUS, L. L., and K. M. DERŪGIN. Hydrological outline of Catherine Harbor.

BREITFUS, L. L. Relict lake Mogil'noye.

OSTROVSKII, D. N., Journey to Murman.

ELENKIN, A. A., and R. F. Niman. Flora of the vicinity of Murman Biological Station.

DERŪGIN, K. M. Fauna of Catherine Harbor and adjoining parts of the sea.

LINKO, A. K., Plankton of Catherine Harbor and vicinity.

ELENKIN, A. A., Distribution and a list of marine algae in the vicinity of Murman Biological Station.

Each of these papers appears in this Bibliography under its author's name.

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3912. DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, and others. Otchet po oborudovaniu Murmanskoi biologicheskoi stantsii i lietniia raboty na nei v 1904 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1905. T. 36, vyp. 1, p. 78-109, 4 plates) **Title tr.:** Report on the equipment of Murman Biological Station and scientific work in the summer of 1904.

Contains a report of the director of this station for 1904, including a review of various scientists' study of marine fauna, with lists of eight nematodes determined by S. N. Savel'ev; eleven annelids, by N. A. Bialynitskii-Birul'ia; sixty-four molluscs, by N. M. Knipovich; and eleven ascidians, by V. V. Redikortsev.

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DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, *see also* Breitfus, L. L. & K. M. Derugin. Hidrologicheskii ocherk Ekaterinskoi gavani. 1906.

DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, *see also* Gur'anova, E. F. Biotzenoz laminarii Kol'skogo zaliva. 1924.

DERŪGIN, KONSTANTIN MIKHAILOVICH, 1878-1938, *see also* Gur'anova, E. F. Fauna "Dvorov" Kol'skogo zaliva. 1925.

DERŪGINA, N., *see* Ivanova, M., & others. Litoral' i sublitoral' Bol'shogo Olen'ego ostrova. 1924.

DERUYTER, *see* CALASANCTIUS, SISTER MARY JOSEPH, 1860- .

3913. DERZHAVIN, A. N. Neue Mysiden von der Küste der Halbinsel Kamtschatka. (Zoologischer Anzeiger, Dez. 1913. Bd. 43, p. 197-204, illus.) *Title tr.*: New mysids from the coast of Kamchatka.

Based on collections of the Riäbushinskii Expedition, 1908-1909; full descriptions of four new species of these crustaceans from bays on the east coast of Kamchatka. *Copy seen*: DSI-M.

DERZHAVIN, A. N., *see also* Shmidt, P. I. U. Kamchatskaia ékspeditziia 1916.

3914. DERZHAVIN, M. S. Iz ust'ia Obi k ust'iu Eniseia. (Sovetskaiä Arktika, 1940, no. 2, p. 83-90, illus., map) *Title tr.*: From the mouth of the Ob to the mouth of the Yenisey.

Description of the cruises of Ovt'syn, Minin, Sterlegov, and Leskin in 1734-41, as part of the work of the Great Northern Expedition; brief biographical data on D. L. Ovt'syn.

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3915. DERZHAVIN, M. S. "Piät' let na ostrove Vrangeliä". (Sovetskaiä Arktika, 1936, no. 8, p. 57-60) *Title tr.*: Five years on Wrangel Island.

Comment on A. I. Mineev's *Piät' let na ostrove Vrangeliä*, 1934, q.v.

Copy seen: DLC.

3916. DERZHAVIN, M. S. V. A. Rusanov kak issledovatel' Severnogo morskogo puti. (Sovetskaiä Arktika, 1940, no. 12, p. 60-69, illus.) *Title tr.*: V. A. Rusanov as an explorer of the Northern Sea Route.

Biographical sketch of the explorer; outline of his expeditions to Novaya Zemlya, 1907-1911; his expedition on the *Hercules*, 1912, to Spitsbergen, thence eastward, rounding the northern tip of Novaya Zemlya; disappearance of party and ship. Note (with illustration) on Rusanov relics found on Veizel (now Hercules) Island (about 74°30'N. 87°30'E.) in Minin Basin off the western Taymyr coast. *Copy seen*: DLC.

3917. DESBARATS, G. H. Surveying on the Hamilton River, Labrador. (Canadian geographical journal, Nov. 1948. v. 37, p. 214-29, incl. 4 p. of illus.)

Account of a summers' trip, 1947, to survey the Grand Falls area for the Water Power Branch of Dept. of Nat-

ural Resources, Newfoundland; with description of the terrain and river and a "rough" estimate of power potential.

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DeSINNER, F., *see* SINNER, F. de.

3918. DETINOVA, L. V. Podkormka transportnykh olenei rybnoi mukoi. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliä, zhivotnodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1941. Vyp. 13, p. 43-46) *Title tr.*: Supplementary feeding of transport reindeer with fish meal.

Copy seen: DLC.

3919. De TRÉMAUDAN, AUGUSTE HENRI, 1874- . The Hudson Bay road (1498-1915). London & Toronto, J. M. Dent & Sons, Ltd., 1915. xvi, 264 p. front. (port.) 29 plates, 2 fold. maps.

Contains chapters on the discovery of Hudson Bay, the Hudson's Bay Co., the North-West Co., Hudson Bay and Strait, with discussion of the Hudson Bay Route and the political history, geologic features and natural resources of the Bay region; in addition to chapters on the region lying west of Hudson Bay watershed and south of the 60°N. parallel; bibliography (71 items). *Copy seen*: DLC; NNSf.

3920. DEUTSCHE GRÖNLAND-EXPEDITION ALFRED WEGENER, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, herausgegeben im Auftrage der Notgemeinschaft der deutschen Wissenschaft von dr. Kurt Wegener. Leipzig, F. A. Brockhaus, 1933-40. 7 v. illus. (incl. ports., plans) fold. plates, maps (1 fold.) diags. *Title, etc., tr.*: German Greenland Expedition of Alfred Wegener, 1929 and 1930-31, scientific results published under auspices of the German Science Foundation by Dr. Kurt Wegener.

Other editors: A. Defant, E. von Drygalski, and E. Kohlschütter.

The expedition was planned by Alfred L. Wegener who led the preliminary expedition in 1929, and the main expedition of 1930-31 until his death, Nov. 1930. His brother, Dr. Kurt Wegener, went to Greenland and assumed the leadership in July 1931. The main objectives were to carry out meteorological, glaciological, seismic, and geodetic research. Three stations served as headquarters, 1930-31: West Station (main station) was on the ice of West

Greenland northeast of Kamarujuk, about 71°12'N. 51°05'W.; East Station was on the ice of the west coast of Jameson Land about 71°10'N. 24°15'W., Scoresby Sound; and the Mid-ice Station on the inland ice, 400 km. distance from the main station, in approximately the same latitude.

The narrative of the expedition of 1930-31, was published as Wegener, Else, *ed. Alfred Wegeners letzte Grönlandsfahrt*, 1932, q.v. (Translation in English, *Greenland journey*, 1939).

Contents tr.: Bd. 1. WEGENER, K., and others. Account of the Expedition. 1933.

No. 1. WEGENER, K. Preliminary plan, and carrying out of the expedition.

No. 2. HERDMERTEN, K. The house of the West Station.

No. 3. WEGENER, K. The transportation problem.

No. 4. SCHIF, C. Propeller sledges.

No. 5. KOPP, W., and J. JANSSEN. Radio operation and research.

No. 6. WÖLCKEN, K. Measurements of ultra-violet radiation.

No. 7. WEGENER, K. The barometric height curve.

No. 8. LOEWE, F. and K. Wegener. Snow-gauge observations.

No. 9. WEGENER, K., and R. HOLZAPFEL. The blizzard.

No. 10. PETERS, H. B. Biological and anthropological results. (*See also* Bd. 6).

Bd. 2. BROCKAMP, B., and others. Seismology, 1933.

No. 1. BROCKAMP, B., and K. WÖLCKEN. The seismic results of the main expedition between the West Station and the 120 km. margin.

No. 2. SORGE, E. Measurements of ice thickness on the preliminary expedition and on the inland ice during the main expedition.

Bd. 3. BROCKAMP, B., and others. Glaciology, 1935.

No. 1. LOEWE, F. The glacier fronts in the Umanak region.

No. 2. JÜLG, H. Glaciological observations at the West Station.

No. 3. BROCKAMP, B. Consideration of the temperature distribution in the inland ice, on the basis of seismic results.

No. 4. BROCKAMP, B. On the annual accumulation at the 120 and 62 km. margins.

No. 5. SORGE, E. Glaciological research in the Mid-ice.

Bd. 4, pt. 1. GEORGI, J., and others. Meteorology. Observations. 1935.

No. 1. KOPP, W. The East Station.

No. 2. GEORGI, J. The Mid-ice station.

No. 3. HOLZAPFEL, R. The West Station and Umanak Station.

No. 4. RAUSCHELBACH, H. Determination of mean sea level and the tides of Kamarujuk Fiord.

Bd. 4, pt. 2. HOLZAPFEL, R., and others. Meteorology. The results. 1939.

No. 1. KOPP, W. Discussion of the results of the East Station in Scoresby Sound. (Statistical discussion).

No. 2. WEGENER, Kurt. Supplementary material for Mid-ice (based on observations made by J. Georgi).

No. 3. HOLZAPFEL, R. Discussion of results for the West Station region.

No. 4. HOLZAPFEL, R. Meteorological observations in Kamarujuk.

No. 5. KOPP, W. and R. HOLZAPFEL. Contribution to the mechanics of weather over Greenland.

No. 6. HOLZAPFEL, R. Additions and corrections to *The West Station and Umanak Station*, in v. 4, pt. 1.

No. 7. JÜLG, H. Determination of thickness of ice and snow soundings on the route from 1-400 km.

No. 8. SORGE, E. Glaciological research at the 200 km. margin.

No. 9. SORGE, E. The velocity and position of the face of the Jacobshavn glacier.

No. 10. WEGENER, Kurt. Preliminary summary of the meteorological results.

Bd. 5. WEIKEN, K. Geodesy. 1940.

No. 1. WEIKEN, K. Determinations for geographic position.

No. 2. WEIKEN, K. Gravity measurements.

No. 3. HOLZAPFEL, R. Results of wind velocity measurements at the West Station. (An addition to Bd. 4, pt. 2).

Bd. 6. Peters, H. B., and others. Anthropology and zoology. 1934.

No. 1. Peters, H. B. Introduction.

No. 2. PETERS, H. B. and others. Contribution to the somatology of Angmagssalik Eskimos.

No. 3. PETERS, H. B., and others. The traces of the northeastern Eskimos in Scoresby Sound.

Zoology. No. 1. PETERS, H. B. Introduction.

No. 2. PETERS, H. B. List of previously determined materials.

No. 3. PETERS, H. B. Faunal groups in Scoresby Sound.

No. 4. Peters, H. B. Does a danger exist for the game fur-bearing animals of Greenland?

No. 5. PETERS, H. B. Ornithological observations.

No. 6. HEINZE, K. The parasitic worms.

No. 7. GUNDEL, M., and H. B. Peters. Research on the bacterial content of the alimentary canals of free-living organisms in the Arctic.

Bd. 7. WEGENER, K. Summary of the scientific results. 1940.

Each of these papers appears in this Bibliography under its author's name.

The work of the expedition, some of its published results and related works are reviewed in *Geographical journal*, Dec. 1934. v. 86, p. 515-22.

Copy seen: DLC.

3921. DEUTSCHE NORDPOLAR-EXPEDITION, 1869-1870. Trigonometrische und barometrische Höhenmessungen. Küstenaufnahme durch Depressionwinkel. (*In:* Geographische Gesellschaft in Bremen. *Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870.* 1874. Bd. 2, p. 861-89, incl. tables) *Title tr.:* Trigonometric and barometric altitude measurements. Coastal survey by means of angle of depression.

Results of measurements carried out in the region of Sabine Island and adjacent islands and mainland, in East Greenland.

Copy seen: DLC.

DEUTSCHE POLAR KOMMISSION, see International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Beobachtungen-Ergebnisse d. deutschen Stationen. 1886.

3922. DEUTSCHE WISSENSCHAFTLICHE INSTITUT ZU KOPENHAGEN. Veröffentlichungen. Reihe I: Arktis. Nr. 1-12. Berlin, Borntraeger, 1942-1943. 12 nos. illus., plates, maps (part fold.) diags. (part fold.) *Title tr.:* Publications, series I: Arctic (of the German Scientific Institute at Copenhagen).

Edited by Prof. Hans Frebold. This "institute" was sponsored by the Ger-

mans during their occupation of Denmark in World War II. Whether it issued any further publications than these twelve numbers of its first (Arctic) series, is not known.

Contents tr.: No. 1. (*pub.* 1942). WEICKMANN, L. The warming up of the Arctic. With a supplement by J. P. Jacobsen. Discussion of the amount of heat transported to the Arctic.

No. 2 (*pub.* 1942). FREBOLD, H. Fundamentals of the geologic history and structure of arctic Siberia east of the Lena.

No. 3 (*pub.* 1942). BACKLUND, H. G. Problems of the arctic plateau basalts.

No. 4 (*pub.* 1942). GRIPP, K. Formation of the diluvial basal moraine landscapes and the question of their recent equivalents in the Arctic.

No. 5 (*pub.* 1942). DEFANT, A. The influence of the reflection capacity of water and ice upon heat exchange of the polar region.

No. 6 (*pub.* 1942). WÜST, G. The morphologic and oceanographic relationships of the North Polar Basin.

No. 7 (*pub.* 1942). PEDERSEN, A. The ruminants of the Arctic.

No. 8 (*pub.* 1942). RENDAH, H. On the biology of lemmings.

No. 9 (*pub.* 1942). HOEL, A. Place names in Svalbard.

No. 10 (*pub.* 1942). BLÜTHGEN, J. The polar tree line in Lapland.

No. 11 (*pub.* 1943). GEORGI, J. The ground layer of air over the Greenland ice.

No. 12 (*pub.* 1943). STEINBOCK, O. Peculiarities of arctic-alpine zoogeography.

Each of these papers appears in this Bibliography under its author's name.

File seen: CaMAI; DN-HO; DLC.

DEUTSCHE WISSENSCHAFTLICHE INSTITUT ZU KOPENHAGEN. ARKTISCHE ABTEILUNG, see Blüthgen, J. Forschungsergebnisse über arktische Fragen. 1943.

3923. DEUTSCHE WISSENSCHAFTLICHE KOMMISSION FÜR MEERES-FORSCHUNG. Die Forschungsfahrt des Fischdampfers "J. Hinr. Wilhelms" in das südliche Barentsmeer im Oktober 1937. (*Its:* Berichte, 1940. Neue Folge, Bd. 9, p. 443-540, illus., sketch charts (1 fold.) fold. diags.) *Title tr.:* The research cruise of the fisheries

steamer *J. Hinr. Wilhelms* in the southern part of Barents Sea, October 1937.

The area traversed included the region at 69°-72°N. 30°-53°E. For the account of the cruise see pt. 1 of this report (by Bückmann).

Contents tr.: Heinrich, C. Foreword.

Pt. 1. BÜCKMANN, A. Report on the plan, preparations and carrying out of the cruise.

Pt. 2. GOEDECKE, E. On the hydrographic conditions in (etc.).

Pt. 3. WULFF, A. On the surface plankton.

Pt. 4. SCHMIDT, U. Research on the haddock in southern Barents Sea.

Pt. 5. WILCKE, D. The stomach contents of Barents Sea haddock.

Pt. 6. BÜCKMAN, A., and E. REICH. The codfish catches of the cruise in October, and of the fisheries steamer *Bayern* in November 1937.

Pts. 1-6 appear in this Bibliography under the authors' names.

Copy seen: DF.

3924. DEUTSCHE WISSENSCHAFTLICHE KOMMISSION FÜR MEERESFORSCHUNG. Wissenschaftliche Ergebnisse einer Untersuchungsfahrt des Reichsforschungsdampfers "Poseidon" in das Barentsmeer im Juni und Juli 1913. Kiel und Leipzig, Lipsius & Tischer, 1919-22. 254 p. incl. tables, illus., 5 plates, tables, fold. chart, fold. diagrs. (Wissenschaftliche Meeresuntersuchungen. Neue Folge, Bd. 13. Abt. Helgoland) *Title tr.:* Scientific results of a research expedition of the German research steamer *Poseidon* in Barents Sea, June and July 1913. Edited by the Biological Bureau Helgoland (Biologische Anstalt auf Helgoland) of the German Scientific Commission for International Marine Research.

The expedition (under the leadership of W. Mielck) carried out fundamental hydrographic and biological research in connection with the fisheries of the area between Varanger Fiord to Kainin Peninsula, and north to 73°N.

Contents tr.: MIELCK, W. Introduction, narrative and excerpts from the journal. Appendix: AHLBURG, J., and STOLLER. Rocks and bottom sediments from Barents Sea.

RUPPIN, E. Hydrography (etc.) summer of 1913.

WULFF, A. On the microplankton.

HARTMEYER, R. Ascidians.

SCHEURING, L. Echinoderms.

SCHEURING, L. Hydroids.

THIELEMANN, M. Fishes.

FISCHER, W. Gephyrea of the Arctic Ocean.

PAX, F. Zoantharia and Actinaria.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DF.

DEUTSCHER SEEFISCHEREI VEREINS, *see* Hartlaub, C. C., & others. Zoologische Ergebnisse *Olga*, 1898. 1900-16.

DEUTSCHER WETTERDIENST IN DER U. S.-ZONE, *see* Holzapfel, R. Fahrt d. *Sachsen* 1940. 1949.

DEUTSCHER WETTERDIENST IN DER U. S.-ZONE, *see* Holzapfel, R. Tätigkeit d. Deutschen Wetterdienstes. 1949.

DEUTSCHER WETTERDIENST IN DER U. S.-ZONE, *see* Neunteufl, J. Wetterstation auf Hopeninsel 1944/45. 1949.

DEVAUX, J., *see* Charcot, J. B. A. E., & others. Rapport préliminaire *Pour-quoi-Pas?* 1932. 1933.

3925. DEVEL', D. V. Ispol'zovanie rogovogo bashmaka severnogo oleniâ. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 177-80.) *Title tr.:* Utilization of the hoof of the reindeer.

Summary in English.

Copy seen: CaOA; DF.

3926. De VENNE, GEORGE L. Blue gold of the Aleutians. (Alaska sportsman, July 1939. v. 5, no. 7, p. 8-9, 22-24, illus.)

Description of blue fox farming on Karraga Island, of the middle Aleutians.

Copy seen: DLC.

3927. De VIGHNE, HARRY CARLOS, 1876-. The time of my life, a frontier doctor in Alaska. London, R. Hale Ltd., [1943] 243 p.

Copy seen: DLC; NNSf.

3928. DEVIK, OLAF MARTIN, 1886-. Freezing water and supercooling; anchor ice and frazil ice. (Journal of glaciology, Oct. 1949. v. 1, p. 307-309)

Discussion of formation of ice in running and still water, based on observations of supercooling and measuring of temperature with special apparatus (not described).

Copy seen: DGS.

3929. DEVIK, OLAF MARTIN, 1886-
 . Supercooling and ice formation in open waters. (Ice studies, 1) Oslo, Grøndahl & Søn, i Cammermeyer, 1942. cover-title, 10 p. diagrs. (Geofysiske publikasjoner. v. 13, no. 8)

Discussion of the transient part played by supercooling of water in static ice formation (in still or slowly moving water) and of the lasting part it plays in dynamic ice formation (in running turbulent water). "It is emphasized that the state of supercooling is a stable one, the formation of ice crystals being dependent upon the existence of nuclei in the water, or of solid boundary surfaces from which crystallization will start and the liberated heat of crystallization will flow. The process of thermal conduction necessarily needs time, and thus a state of supercooling may be retained outside the crystal boundary surface, which passes more or less slowly into the adjacent medium as the freezing process goes on."—Introduct.

Copy seen: DLC.

3930. DEVIK, OLAF MARTIN, 1886-
 . Thermische und dynamische Bedingungen der Eisbildung in Wasserläufen auf norwegische Verhältnisse angewandt. [Oslo, Cammermeyer, 1931] 100 p. illus. (incl. map, charts) diagrs. (Geofysiske publikasjoner, no. 1) *Title tr.:* Thermodynamic conditions in the formation of ice on water courses as applied to Norway.

Detailed study of the physical factors involved in the processes of freezing: heat exchange, reflection and absorption of light and heat rays in water and ice, computation of heat exchange through radiation, heat currents of evaporation and interchange, periodic heat currents in the lower and upper water layers, temperature variations over long periods, static and dynamic ice formation.

Copy seen: DLC.

DEVILLERS, CH., *see* Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1935. 1937.

3931. DEVINE, EDWARD JAMES, 1860-
 . Across widest America, Newfoundland to Alaska, with the impressions of two years' sojourn on the Bering coast. Montreal, The Canadian Messenger, 1905. 5 p. l., 307 p. front. (port.) 24 plates 2 fold. maps.

The author lived in mining camps of Nome and Kotzebue Sound for two years. He gives here a description of the country, of winter travel conditions, the miners' life and the natives; and a chapter on the history of Catholic missions in Alaska.

Copy seen: DLC; NNSStef.

3932. DEVOLD, FINN. Det østerrikske kart over Jan Mayen og høiden av Beerenberg. (Norsk geografisk tidsskrift, 1928-29, pub. 1929. Bd. 2, p. 119-22) *Title tr.:* The Austrian map of Jan Mayen and the altitude of Beerenberg.

Remarks on maps of Jan Mayen and various measurements of the volcano Beerenberg, with brief discussion of results of measurements made by the author.

Copy seen: DLC.

3933. DEVOLD, HALLVARD. Litt om laksefiske på Grønland. (Polar-årbooken, 1939. p. 51-60, illus.) *Title tr.:* Something about salmon fishing in East Greenland.

Notes Norwegian salmon fishing expeditions, especially Finn Devold's, 1931-33, to East Greenland; data on Greenland salmon (*salmo alpinus*).

Copy seen: NN.

3934. DEVOLD, JOAKIM, 1908- . Fra Balsfjords flora. (Nytt magasin for naturvidenskapene, 1940. Bd. 80, p. 1-39) *Title tr.:* On the flora of Balsfjord.

Contains historical data on the botanical exploration of Balsfjord district, Troms province, northern Norway, list of localities and an alphabetical list of about four hundred flowering plants and vascular cryptogams, with data on habitat and local distribution.

Copy seen: MH-A; MH-Z.

3935. DEVOLD, JOAKIM, 1908- , and P. F. SCHOLANDER. Flowering plants and ferns of southeast Greenland. Oslo, J. Dybwad, 1933. 209 p. illus., 7 plates, photos., maps (1 fold.), tables. (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter, Nr. 56)

List of two hundred thirty-three species with notes on distribution in the area south of 64°30'N. Maps show distribution and botanical localities. Bibliography, p. 205-208.

Copy seen: DLC.

DEW ROBERTS, ELIZABETH, *see* Christian, E. V. Unflinching, diary of tragic adventure. 1937.

3936. DEWELL, JAMES D. A Greenland cemetery. (*In*: Walsh, H. C., and others. Last cruise of the Miranda, 1896. p. 180-85)

Details on burial ground observed at Sukkertoppen, with discussion in general of mortuary customs of West Greenlanders.

Copy seen: DLC; NNStef.

3937. DE WET, J. P. Commercial flying in Canada. (*Canadian geographical journal*, Oct. 1936, v. 13, p. 316-27, incl. 6 p. of illus.)

Contains a history of the development of commercial aviation, its uses in the northern areas, and its extent.

Copy seen: DLC.

3938. DE WET, J. P. Exploration for oil in the Northwest Territories. (*Canadian mining journal*, Sept. 1944. v. 65, p. 606-15, illus.)

Popular article touching upon the geology, development, statistics, possible markets, etc. for oil of Mackenzie District.

Copy seen: DGS.

3939. DE WINDT, HARRY, 1856-1933. Through the gold-fields of Alaska to Bering Straits. London, Chatto & Windus, 1898. 2 p. l., viii, 312 p. 34 plates, fold. map, plan.

Account of a journey from Juneau, via Chilkoot Pass and Lake LeBarge, to the Klondike, thence down the Yukon River to St. Michael, also a two-month sojourn among the Chukchis of Cape Chaplina, Chukotsk Peninsula.

Copy seen: DLC; NNStef.

3940. D'WOLF, JOHN, 1779-1872. A voyage to the North Pacific and a journey through Siberia, more than half a century ago. Cambridge, [Mass.] Welch, Bigelow, & Co., Printers to the University, 1861. iv, 147 p. "One hundred copies printed."-Sabin.

Account of voyaging and visiting in Southeast Alaskan waters, with two winters in Petropavlovsk, and a trans-Siberian journey from Okhotsk to Yakutsk and westward, 1805-1808.

Copy seen: DLC; NNStef.

3941. DEZHNEV, SEMEN IVANOVICH, 1605?-1673. *Otpiska Semena Dezhneva fakutskomu voevode Ivanu Pavlovichu Akinfiyevu o morskoy pokhode ego s ust'ia r. Kolymy do ust'ia r. Anadyr'. (Aprel' 1655 g.)* (Vsesoyuznoe geograficheskoe obshchestvo. Izvestiia, 1948. T. 80, vyp. 6, p. 577-80, 1 sketch map, 6

facsim.) *Title tr.*: The report of Semen Dezhnev to the Governor of Yakutsk, Ivan Pavlovich Akinfiyev, concerning his sea voyage from the mouth of the Kolyma River to the mouth of the Anadyr' River (April 1655).

Text of the report which established that Dezhnev had passed through Bering Strait in 1648; with notes and a reproduction of the original in facsimile.

Copy seen: DLC.

DEZHNEV, SEMEN IVANOVICH, 1605?-1673, *see also* Samoilo, V. A. Semen Dezhnev i ego vremia. 1945.

D'TACHKOV, N. N., *see* Kursanov, A. L., & N. N. D'tachkov. Lishalniki i ikh prakticheskoe ispol'zovanie. 1945.

DIAGILEV, G. A., *see* Troshin, A. N., & G. A. Diagilev. Izverzhenie Avachinskogo vulkana. 1926.

D'TAKONOV, A. I., *see* Vlodavets, V. I., & others. Nabliudeniia za deiatel'nost'iu Kl'uchevskogo vulkana. 1937.

3942. D'TAKONOV, ALEKSANDR MIKHAILOVICH. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 20. Lepidoptera III. Geometridae. [Stockholm, 1929] 24 p. illus., 2 plates. (Arkiv för zoologi. Bd. 21A, no. 1) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22. 20. Lepidoptera III. Geometridae.

Contains discussion of distribution and interrelationships of the geometrid moths, and an annotated list, with localities, of fifty-four (including with descriptions, two new) species and several new forms. *Copy seen*: DSI-M.

3943. D'TAKONOV, ALEKSANDR MIKHAILOVICH. Iglokozhe Barentsova, Karskogo i Belogo morei. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1926. T. 56, vyp. 2, p. 98-131, illus.) *Title tr.*: Echinoderms of the Barents, Kara and White Seas.

Contains keys for determination of classes, orders and genera of echinoderms (phylum Echinodermata) of the Barents, Kara and White Seas, with data on geographic distribution in northern regions. *Copy seen*: DLC.

3944. D'TAKONOV, ALEKSANDR MIKHAILOVICH. Novye i interesnye vidy Echinodermata iz Severnogo Ledovitogo okeana. (*In*: Dreifuushchaya ekspeditsiia Glavsevmorputi na led-

kol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 324-32, illus.) *Title tr.*: New and interesting species of Echinodermata from the Arctic Ocean.

Descriptions of one new and of two hitherto insufficiently described species of echinoderms taken by the ice-breaker *Sadko*, 1935 and 1937-1938, with a list of stations (coordinates and depths). Summary in English.

Copy seen: DLC.

3945. D'YAKONOV, ALEKSANDR MIKHAILOVICH. Zur Frage der Artberechtigung der mülleri-groenlandica-Gruppe der Asteridengattung Leptasterias mit Beschreibung einer neuen Art aus dem Sibirischen Eismeer. (Zoologischer Anzeiger, Sept. 1930. Bd. 91, p. 27-50, illus.) *Title tr.*: On the question of the revision of the mülleri-groenlandica group of the Asteridae genus *Leptasterias*, with a description of a new species from the Siberian Arctic Ocean.

Based on a study of the starfishes in the Leningrad Academy of Sciences, Zoological Museum, collected in waters from Bering Sea westward to West Spitsbergen; a comparison of the starfishes, *L. mülleri*, *L. hyperborea*, and *L. groenlandica*, and full description of *Leptasterias sibirica*, sp. nov., from Chukchi Sea; bibliography (25 items).

Copy seen: DSI-M.

3946. D'YAKONOV, MIKHAIL ALEKSEEVICH. Puteshestviâ v polârnyye strany. 3. dop. izd. pod red. V. I. U. Vize. Leningrad, Izd-vo Vsesoiûznogo arkticheskogo instituta, 1933. 207 p. illus., fold. map. (Poliârnaâ biblioteka.) *Title tr.*: Voyages to the polar regions.

First published in 1931 (103 p.)

History of the principal voyages and flights in the Arctic from Pythias (325 B.C.) to the expedition of the *Sibirîakov* (1932), with seven pages on the Antarctic. The author, who devotes nearly half of the book to Russian exploration, presents his work as the first truly comprehensive history of the subject.

The bibliography of some 250 selected items in Russian, compiled by A. F. Shidlovskii, is arranged by subject and geographic areas. *Copy seen*: DLC.

D'YAKONOV, MIKHAIL ALEKSEEVICH, see also Sverdrup, H. U. Vo l'dy na podvodnoi lodke. 1934.

D'YAKONOVA, N. N., see Vlodavets, V. I. & others. Nablûdeniâ za deiatel'nost'îu Khlûchevskogo vulkana. 1937.

3947. DICE, LEE RAYMOND, 1887-

. The land vertebrate associations of interior Alaska. Ann Arbor, Mich., 1920. 24 p. 4 plates, sketch map. (Michigan. University. Museum of Zoology. Occasional papers. No. 85)

Based on notes made during the author's service as deputy fur warden in the Alaska Fisheries Service, 1911-12. Descriptions of the habitats and associations of the regions near Fairbanks and Tanana, and along the Kuskokwim River; the timbered parts in the Hudsonian life-zone and areas above timberline in the arctic-alpine life-zone. Lists of mammals, birds, and the few batrachians which form associations in aquatic, shore, cut-bank, cliff, sedge, valley willow (and other) habitats.

Copy seen: DSI-M.

3948. DICE, LEE RAYMOND, 1887-

. Notes on some birds of interior Alaska. (Condor, Sept. 1920. v. 22, p. 176-85)

Based on a collection of birds and notes on distribution and habits, made while the author was serving as a deputy fur warden in the Alaska Fisheries Service, 1911-12. Annotated list of eighty-six species from the vicinity of Fairbanks, and Tanana, and along the Kuskokwim River from North Fork head to Bethel. *Copy seen*: DSI-M.

3949. DICE, LEE RAYMOND, 1887-

. Notes on the mammals of interior Alaska. (Journal of mammalogy, Feb. 1921. v. 2, p. 20-28)

Based on notes and collections made while the author served as deputy fur warden for the Alaska Fisheries Service, July 1911-Sept. 1912, an annotated list of thirty-two species.

Copy seen: DSI-M.

3950. DICKIE, GEORGE. Diatoms. Preliminary report of the biological results of a cruise in H.M.S. "Valorous" to Davis Strait in 1875. (Royal Society of London. Proceedings, June 1876. v. 25, p. 227-29)

Brief notes on the results of four dredge-hauls in Davis Strait.

Copy seen: DLC.

3951. DICKIE, GEORGE. Notes of Diatomaceae from Danish Greenland, collected by Robert Brown. (Botanical

Society of Edinburgh. Transactions, Jan. 1869, *pub.* 1870, v. 10, p. 65-67)

Lists of associated marine diatoms from Jakobshavn. *Copy seen:* DLC.

3952. DICKIE, GEORGE. Notes on a collection of Algae procured in Cumberland Sound by Mr. James Taylor, and remarks on arctic species in general. (Linnean Society, London. Journal; botany, 1867. v. 9, p. 235-43)

Annotated list of seventy-seven species of (mostly marine) algae, collected by the physician of a British whaling vessel, with a summary on species previously found in the waters of Baffin Bay-Davis Strait.

Copy seen: DLC.

3953. DICKIE, GEORGE. Notes on flowering plants and algae, collected during the voyage of the "Isabel". (*In:* Inglefield, Sir E. A. A summer search for Sir John Franklin, 1853, p. 135-44) "The list of flowering plants has been compiled from a list by Sir W. J. Hooker, of species sent to him, and from a collection presented to myself by Dr. Sutherland."—Author's note.

Contains a list of about sixty flowering plants from Fiskernaes (W. Greenland, about 63°N.) Hunde Islands (Disko Bay) Disko, Wolstenholme Sound region (south side, near Mt. Dundas, about 76°45'N.) and Whale Sound region (entrance to Inglefield Gulf); and a list of forty-nine algae from the littoral and coastal waters of the same localities and places along the west side of Smith Sound, the Canadian Island waters, and fresh-water pools of Hunde Islands.

Copy seen: DLC.

3954. DICKIE, GEORGE. Notes on mosses, etc., collected by Mr. James Taylor on the shores of Davis Straits. (Linnean Society, London. Journal; botany, 1869. v. 10, p. 461-67)

List, with notes on localities, of eighty-two mosses, fourteen liverworts and sixty-five lichens, collected from West Greenland between Disko and south Melville Bay, and from the east coast of Baffin Island, in 1856-58 and 1861.

Copy seen: DLC.

3955. DICKIE, GEORGE. On the algae found during the Arctic Expedition. (Linnean Society, London. Journal; botany, 1878. v. 17, p. 6-12)

Results of the British Arctic Expedition under Nares, 1875-76, to the Smith Sound-Robeson Channel region. Annotated list with localities, of seven species of brown algae, seventeen species (including three marine) of green algae, and seventy species (mostly marine) of diatoms. *Copy seen:* DLC.

DICKIE, GEORGE, *see also* Brown, R., & others. Florula Discoana. 1868.

DICKIE, GEORGE, *see also* Sutherland, P. C. Journal of voyage. 1850-51. 1852.

DICKSON, OSCAR, 1823-1897, *see* Nordenskiöld, N. A. E. Andra Dickson-ska expeditionen 1883. 1885.

DICKSON, OSCAR, 1823-1897, *see* Nordenskiöld, N. A. E. Svenska expeditionen til Grönland år 1883. 1883.

3956. DICKSON, WILLIAM. Northern agriculture. (*In:* Dawson, C. A., ed. The new North-west, 1947. p. 155-81)

Contains a discussion of the physiography, climate, soils, and gardening of the Mackenzie valley, and (in less detail) in Yukon Territory.

Copy seen: DLC.

3957. DIENER, KARL, 1862-1928. Die marinen Reiche der Triasperiode. (Akademie der Wissenschaft, Wien. Mathematisch-naturwissenschaftliche Klasse. Denkschriften, 1916. Bd. 92, p. 405-449, fold. map) *Title tr.:* Marine life of the Triassic period.

This treatise covers all of the world's oceans of the Triassic, and includes (p. 412-24) the marine sediments of Alaska, West Spitsbergen, Bear Island, and the Soviet arctic regions, and (p. 513-15) the arctic sea, in a discussion of the development and variation of marine life and its zoogeographic provinces as shown by stratigraphic and paleontologic data.

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3958. DIENER, KARL, 1862-1928. Die obertriadische Ammonitenfauna der Neusibirischen Insel Kotelnj. (Akademie der Wissenschaften, Wien. Mathematisch-naturwissenschaftliche Klasse. Sitzungsberichte, 1916. Abt. 1, Bd. 125, p. 439-63, plate) *Title tr.:* The Upper Triassic ammonite fauna of the New Siberian Island Kotelnj.

Contains introductory remarks on the locality from which the fossils came, based on a letter by Baron von Toll,

who collected the ammonites during the Russian Polar Expedition, 1901; descriptions of eight (including three new) species, and discussion of their synonymy, stratigraphy and paleogeographic significance.

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3959. DIENER, KARL, 1862-1928. Ueber Triasische Cephalopoden, Gastropoden und Brachiopoden von der Insel Kotelny (Neusibirische Inseln). Leningrad, 1924. 2 p. l., 19 p. plate. (Russkaia polharnaia ekspeditcia, 1900-1903. Résultats scientifiques. Sect. C, livr. 5. *Pub. as:* Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 21, no. 5) *Title tr.:* On the Triassic cephalopods, gastropods and brachiopods of Kotelnny Island (New Siberian Islands).

Contains descriptions of eight (including three new) species of ammonites, and one new species of brachiopod, with mention of some gastropod fragments, and a discussion of the age and paleontologic relationships of these fossils.

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DIESET, HANNA, see HOLMSEN, HANNA MARIE (RESVOLL), 1873-

DIETRICHSEN, LEIF RAGNAR, 1890-, *see* Amundsen, R. E. G., & others. Amundsen-Ellsworths polflyvning. 1925.

DIETRICHSEN, LEIF RAGNAR, 1890-, *see* Amundsen, R. E. G., & others. My polar flight. 1925.

DIETRICHSEN, LEIF RAGNAR, 1890-, *see* Amundsen, R. E. G., & others. Our polar flight. 1925.

3960. DIETRICHSON, OLAF CHRISTIAN, 1856-1942. Hvad man kan opleve under en kajakkur i polaregnene. (Polar-årboken, 1935, p. 15-18, illus.) *Title tr.:* What one can experience during a kayak trip in the polar regions.

Recollection of his experience (while with Nansen's Greenland expedition, 1887-88) of a kayak trip between Godthaab and Umanak in Godthaab Fiord.

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3961. DIETRICHSON, OLAF CHRISTIAN, 1856-1942. Otto Neumann Sverdrup (Norsk geografisk tidsskrift, 1930-31, *pub.* 1931. Bd. 3, p. 285-89, port.)

Memorial lecture in the Norwegian Geographical Society Feb. 11, 1931, dealing with Sverdrup as an arctic explorer.

Copy seen: DLC.

3962. DIETZ, ARTHUR ARNOLD. Mad rush for gold in frozen North. Los Angeles, Times-Mirror Printing & Binding House, 1914. 281 p. incl. front. (group of ports.) 27 plates.

Of eighteen men, who in 1897 tried to reach Dawson over the glaciers of Disenchantment Bay region, only four survived. This is the story of their hardships on the glacier and during a winter in the Alaska wilderness.

Copy seen: DLC; NNStef.

3963. DIGBY, ADRIAN. An Eskimo harpoon rest from Alaska. (Man; a monthly record of anthropological science, Apr. 1935. v. 35, p. 49-50, plate)

Describes and pictures a walrusivory whale-harpoon rest believed to have originated among the North or West Alaskan Eskimos.

Copy seen: DLC.

3964. DILL, W. S. The long day; reminiscences of the Yukon. Ottawa, Graphic Publishers, Ltd., 1926. 232 p.

About Dawson and the Gold Rush days.

Copy seen: DLC; NNStef.

3965. DIMOND, ANTHONY J. The strategic value of Alaska. (Military engineer, Jan.-Feb. 1941. v. 33, p. 12-20, illus., incl. 3 maps)

Discussion of Alaska's position in relation to Japan and Russia, the existing transportation facilities and defences, and those needed; Alaskan resources.

Copy seen: DLC; NNStef.

3966. DINSE, PAUL, 1866- Die Fjordbildungen; ein Beitrag zur Morphologie der Küsten. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1894. Bd. 29, p. 189-259, 3 fold. diagrs.) *Title tr.:* Fiord forms; a contribution to the morphology of coasts. Published also as an inaugural-dissertation, Berlin, 1894.

Contents tr.: 1. The principal fiord regions of the world. (Includes Greenland, West Spitsbergen, Franz Josef Land, Novaya Zemlya, the Canadian Arctic Islands, the Labrador coast, and Southeast Alaska).

2. The forms of fiords above sea level.
3. The submarine forms of fiords. (Detailed description of contours or shapes of fiords).

4. The above-sea and submarine continuations.

5. General results. (a list of twelve points concerning types, shapes, depths etc., and a definition of the idea of "fjord").

6. The forms of coasts which have fjords. The geographic distribution of fjords.

Table which includes one Greenland, and five Labrador fjords, giving length, average width, measurements illustrating shape of the basin, angles of elevation of the sides, etc., and depths.

Copy seen: DLC.

3967. DINSMORE, CLARK. Bering Sea patrol. (Alaska sportsman, Mar. 1941. v. 7, no. 3, p. 12-13, 23-26, illus.)

Account of the U. S. Coast Guard Bering Sea patrol in the *Haida*, 1940, including random notes on the natives of Bering Sea, the duties of the patrol, and in particular the King Islanders.

Copy seen: DLC.

3968. DINSMORE, CLARK. The rails were laid from Seward. (Alaska sportsman, Sept. 1941. v. 7, no. 9, p. 14-15, 32-33, illus.)

Description of Seward, historical notes on the city and discussion of the close connection of its development with the Alaska Railroad.

Copy seen: DLC.

DIONE, pseud., see SHKLOVSKII, ISAAK VLADIMIROVICH, 1865- .

3969. DIONNE, HENRI-PAUL. Cinq mois de vie à l'Esquimaude. (l'Apostolat, Dec. 1941. v. 12, p. 325-29, illus.) *Title tr.:* Five months of the life of an Eskimo.

Account of a winter spent among the Barren Ground Eskimos, 1939-40.

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3970. DIPLOMATARIUM GROENLANDICUM, 1492-1814; aktstykker og breve til oplysning om Grønlands besættelse, kolonisation og missionering, udgivne ved Louis Bobé. København, C. A. Reitzel, 1936. 431, [1] p. 1 illus. (Meddelelser om Grønland, Bd. 55, nr. 3) *Title tr.:* Diplomatarium groenlandicum, 1492-1814, acts and letters concerning the navigation, colonization and missions of Greenland, edited by Louis Bobé.

. Texts of documents, printed mainly from original mss. in official archives;

including numerous despatches from Hans Egede to Danish authorities.

Copy seen: DLC.

DIPLOMATARIUM GROENLANDICUM, 1492-1814, see also Bobé, L. T. A. Grønlandske handels og kolonisations historie. 1936.

DIPLOMATARIUM GROENLANDICUM, 1492-1814, see also Bobé, L. T. A. Opdagelsesrejser til Grønland, 1473-1806. 1936.

3971. DITHMER, ELISABETH. Andrée-Nobile. København [Kihls bogtrykkeri] 1930. 13 p. Translation in English was published as Chap. 2 of her, *The truth about Nobile*, 1933 (from the Danish, *Sandheden om Nobile*, 1932).

Contains quotations from many Swedish journals and newspapers, societies, and individuals, paying tribute to Nobile, whose catastrophe in the *Italia* seemed similar to that of Swedish explorer, Andrée.

Copy seen: DLC.

3972. DITHMER, ELISABETH. Forord til Nobiles bog: "Roma-Nordpolen-Amerika". (In her: *Sandheden om Nobile*, 1932, p. 47-58) Reissued from the author's translation in Danish, 1931, of: Nobile, U. *In volo alla conquista del segreto polare*, 1928. *Title tr.:* Foreword from Nobile's book: "Rome-North Pole-America".

Contains the author's statement of respect for Nobile (whose book she translated) and quotations from others in his support.

Copy seen: DLC.

3973. DITHMER, ELISABETH. Nobile-Bjørnson. (In her: *Sandheden om Nobile*, 1932. p. 59-64) Translation in English as Chap. 4 in her, *The truth about Nobile*, 1933.

Contains an appeal for justice in judging Nobile, mentioning the attack upon him by R. Amundsen, and memorializing Bjørnstjerne Bjørnson the Swedish writer and fighter for justice in the Dreyfus case.

Copy seen: DLC.

3974. DITHMER, ELISABETH. Da Nobile blev reddet. København, V. Thaning & Appel. 1929, 32 p. port. *Title tr.:* The rescue of Nobile. Translation in English was published as Chap. 1, of the author's *The truth about Nobile*, 1933, (from the Danish, *Sandheden om Nobile*, 1932)

Contains (in two parts: Frantisek Behounek, and Umberto Nobile) a reaffirmation of Swedish respect for Behounek, Nobile, and for Finn Malmgren, in the face of world-wide criticism of Nobile; recapitulation of the main facts concerning the rescue of the *Italia's* leader. *Copy seen:* DLC.

3975. DITHMER, ELISABETH. Sandheden om Nobile. Bjørnstjerne Bjørnson in memoriam. København, V. Thanning & Appel, 1932. viii, 65 p. illus. (port.) *Title tr.:* The truth about Nobile. The first three articles are reprints of her: *Da Nobile blev reddet*, 1929; *Andrée-Nobile*, 1930; and *Forord til Nobiles bog: Roma-Nordpolen-Amerika*, 1931, q.v. Translation in English was published as her, *The truth about Nobile*, 1933.

Contents tr.: 1. The rescue of Nobile.
2. Andrée-Nobile.
3. The foreword to Nobile's book: Rome-North Pole-America.
4. Nobile-Bjørnson.

Each of these papers appears separately in this Bibliography.

Copy seen: DLC.

3976. DITHMER, ELISABETH. The truth about Nobile. London, Williams & Norgate, Ltd., 1933. 77 p. front. (port.) Translation from the Danish of her, *Sandheden om Nobile*, 1932 q.v.

Copy seen: DLC.

3977. DITLEVSEN, HJALMAR, 1864-. Annelids. I. Copenhagen, B. Luno, 1917, 1 p. l., 71 p. 1 l. illus., 6 plates, table. (Ingolf-expedition, 1895-1896. [Reports] v. 4, pt. 4)

Based on collections of the cruiser *Ingolf* and other Danish collections, from Davis and Denmark Straits and Greenland Sea between Jan Mayen and Iceland. List, with synonyms, references, detailed location lists, depths, and some descriptive notes, of sixty-seven (including with full descriptions, ten new) species of polychaete worms; and a bibliography (56 items).

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3978. DITLEVSEN, HJALMAR, 1864-. Annelids from the *Danmark Expedition*. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 9. (Meddelelser om Grønland, 1911, pub. 1912. Bd. 45, p.409-432, plates XXVII-XXXI)

Contains a list, with localities, synonymy, and some descriptive notes, of forty-three (including with full description, one new) species of polychaetous, annelid worms, from the waters of Danmarks Havn, Dove Bay, East Greenland; also bibliography.

Copy seen: DLC.

3979. DITLEVSEN, HJALMAR, 1864-. Annulata Polychaeta. Kristiania, A. W. Brøgger, 1909. 22 p. 3 plates. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3, (No. 15))

List, with synonymy, locations, discussion and some descriptions of forty-four species of worms found on Ellesmere Island.

Copy seen: DLC.

3980. DITLEVSEN, HJALMAR, 1864-. Cestoder. (In: Conspectus faunae groenlandicae. 3. del, nr. 11. Pub. in: Meddelelser om Grønland, 1914. 23. hefte, p. 119-40)

List, with references to literature, hosts and localities, of forty-two parasitic flatworms, occurring in mammals, man and fishes in Greenland; bibliography, p. 1138-40.

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3981. DITLEVSEN, HJALMAR, 1864-. Free-living marine nematodes from Greenland waters. (In: Conspectus faunae groenlandicae. 3. del, nr. 23. Pub. in: Meddelelser om Grønland 1928. 23. hefte, suppl. p. 199-250, illus.)

List, with localities, many descriptions and remarks, of thirty (including fourteen new) species of round worms; bibliography, p. 248-50.

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3982. DITLEVSEN, HJALMAR, 1864-. Free-living nematodes. Copenhagen, B. Luno, 1926. 2 p. l., 41, [1] p. 15 plates, table. (Ingolf-expedition, 1895-1896. [Reports] v. 4, pt. 6)

Based on collections of the cruiser *Ingolf* from Davis and Denmark Straits and Greenland Sea between Jan Mayen and Iceland. A list, with localities and notes, of thirty-three (including with full descriptions, twenty-six new) species of roundworms; bibliography (34 items).

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3983. DITLEVSEN, HJALMAR, 1864-. Free-living nematodes from Greenland, land and fresh water. (In: Con-

spectus faunae groenlandicae. 3. del. nr. 22. *Pub.* in: Meddelelser om Grønland, 1927. 23. hefte, suppl., p. 157-98, illus.)

List, with localities, some descriptions and remarks, of twenty-two species of roundworms from West Greenland; bibliography, p. 196-98.

Copy seen: DLC.

3984. DITLEVSEN, HJALMAR, 1864-. The Godthaab expedition, 1928. Polychaeta. København, C. A. Reitzel, 1937. 64 p. incl. illus., incl. maps, tables. (Meddelelser om Grønland. Bd. 80, nr. 4)

List, with synonymy, localities and remarks, of eighty-three species of polychaete worms collected in the waters west of Greenland.

Copy seen: DLC.

3985. DITLEVSEN, HJALMAR, 1864-. A marine *Dorylaimus* from Greenland waters, *Dorylaimus maritimus*, n. sp. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, no. 15 (Meddelelser om Grønland, 1913, pub. 1917. Bd. 43, p. 427-30. plate XVIII)

Description of a new nematode worm from Stormbugt, Dove Bay region, East Greenland.

Copy seen: DLC.

3986. DITLEVSEN, HJALMAR, 1864-. Polychaete annelider. (*In:* Conspectus faunae groenlandicae. 3. del. nr. 7. *Pub.* in: Meddelelser om Grønland, 1914. 23. hefte, p. 659-741)

List, with references to literature and localities, of one hundred sixty-eight annelid worms from the Greenland coasts; bibliography, p. 738-41.

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3987. DITLEVSEN, HJALMAR, 1864-. Trematoder. (*In:* Conspectus faunae groenlandicae. 3. del. nr. 12. *Pub.* in: Meddelelser om Grønland, 1914. 23. hefte, p. 1141-51)

List, with references to literature, hosts and localities, of twenty species of internal, parasitic flatworms occurring in East and West Greenland; bibliography, p. 1152.

Copy seen: DLC.

3988. DITMAR, B. P. Zabytoe imîa. (Zemlevedenie, 1936. T. 38, vyp. 1, p. 127-34) *Title tr.:* Forgotten name.

Story of efforts of Mikhael Sidorov (1823-1887), wealthy Russian trader

and pioneer miner in the Turukhansk region, to encourage navigation through Kara Sea to the mouth of the Yenisey; the successful voyage of the *Diana* (Captain Wiggins) in 1874.

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3989. DITMAR, KARL von, 1822-1892. Ein paar erläuternde Worte zur geognostischen Karte Kamtschatka's. (Akademii nauk SSSR. Bulletin, 1856. Sér. 2, t. 14, p. 241-50, map) *Title tr.:* Some explanatory remarks on the geognostic map of Kamchatka.

Notes on the geology and physical geography of the peninsula to accompany a geologic map, drawn by the author from observations made during three visits, 1851-53.

Copy seen: DLC.

3990. DITMAR, KARL von, 1822-1892. Pojezdki i prebyvanie v Kamchatkë v 1851-1855 gg. Chast' pervaja. Istoricheskii otchet po putevym dnevniki. . . . Sanktpeterburg, 1901. x, 756 p. illus., plate, 2 maps (1 fold.) *Title tr.:* Travels and sojourn in Kamchatka, 1851-55. Part 1, Account drawn from the journal.

Russian translation from the German original, *Reisen und Aufenthalt in Kamtschatka in den Jahren 1851-1855, Theil I. Historischer Bericht nach dem Tagebüchern*, 1890, q. v.

Copy seen: DLC.

3991. DITMAR, KARL von, 1822-1892. Reisen und Aufenthalt in Kamchatka in den Jahren 1851-1855. St. Petersburg, 1890-1900. 2. v. (p. l., x, 865 p.; viii, 273 [1] p.) illus. plate, 2 maps (1 fold.) (Beiträge zur Kenntniss des russischen Reiches, Folge 3, Bd. 7-8) *Title tr.:* Travels and sojourn in Kamchatka, 1851-55.

The author was sent on this trip by Prince Maximilian von Leuchtenberg, to study the geography and especially the geology and mineralogy of Kamchatka. During the five-year residence on the Peninsula, von Ditmar spent many months in Petropavlovsk and traveled extensively on both coasts and in the interior of Kamchatka.

Original plans for publication of the results were interrupted by the author's death. Only part one and the first section of part two, were finished by Ditmar, and subsequently edited by L. von Schrenck and C. J. Maximovich.

Russian translation of part one was published as *Poezdki i prebyvanie v Kamchatke v 1851-1855 gg.* St. Petersburg, 1901, q.v.

Contents tr.: v. 1. Account drawn from the journal.

1. Journey from St. Petersburg to Petropavlovsk.

2. Travels 1851-52. To hot springs; around Avacha Bay, to Avacha Volcano; to Nizhne Kamchatsk; winter in Petropavlovsk.

3. Boat trip along the east coast of Kamchatka from Petropavlovsk to Nizhne Kamchatsk and return via Kamchatka valley.

4. Journey to Gizhiga and the Tai-gonos Peninsula; to Tigil; and along the west coast of Kamchatka.

5. Journeys during the summer 1854. In Avacha Bay and Kalakhtyrka; Paratunka and Avacha Volcano.

6. Voyage from Kamchatka to Amur Land and return to St. Petersburg.

v. 2. General description of Kamchatka. (Boundaries, size, topography, hydrology, climate, phytogeography, animals, history, and geographic names).

Copy seen: DLC (v. 2); DGS (v. 1)

3992. DITMAR, KARL von, 1822-1892. Ueber die Eismulden im östlichen Sibirien (Nakipni der Sibirischen Russen). (Akademiia nauk SSSR. Bulletin, 1853. Sér. 2, t. 11, p. 305-16) *Title tr.:* On the "taryn" in eastern Siberia ("nakipni" in Siberian-Russian language).

Description of the phenomenon of naled' as found in many places in Yakutia, where ice forms on the surface of the ground near streams, due to the effect of permanently frozen ground on drainage. *Copy seen:* DLC.

3993. DITMAR, V. G. Geologicheskoe issledovaniia v verkhov'iaakh r. Vil'fua. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1934. T. 66, vyp. 1, p. 26-68, maps (incl. 1 fold.) diags.) *Title tr.:* Geological investigations in the upper Vilyuy River basin.

Description of the route (partly on rivers) of the Vilyuy River Geological Expedition, 1931-32, general geological description of the region 61°10'-66°05' N. and 103°-117°E., with notes on mineral resources and a geological map, 1:1,500,000. *Copy seen:* DLC.

3994. DITMAR, V. G. Raboty Chukotsko-Vankaremskoï geologicheskoi eks-

peditsii 1936-37 goda. (Problemy Arktiki, 1938, no. 2, p. 195-98) *Title tr.:* The work of the Chukotsk-Vankarem Geological Expedition, 1936-37.

Note on the work of the expedition in the area 66°30'-68°30'N., 180°E.-173°30'W. of the Chukotsk National District, with some description of the region. *Copy seen:* DLC.

3995. DİUBİUK, A. F. Pol'usy i obshchaya tsirkulatsiia atmosfery. (Meteorologiya i gidrologiya, 1937. No. 6, p. 46-51, diags.) *Title tr.:* Poles and general circulation of the atmosphere.

The general circulation over the polar region is discussed and illustrated. *Copy seen:* DLC.

3996. DIXON, ANNIE. The Protozoa of some East Greenland soils. (Journal of animal ecology, May 1939. v. 8, p. 162-67, table) Based on soil samples collected by the British East Greenland Expedition in 1936, from Kangerdlugssuak, (68°30'N.) and from Angmagssalik.

Contains description of the samples, and the number and species of Protozoa found in each, showing that (1) highest number of species occurred in soils producing the richest vegetation, (2) unusually large number of testaceous Rhizopoda occurred in non-peaty soils, and (3) a large population was present in soils frozen for nine months of the year. *Copy seen:* DA.

3997. DIXON, HUGH NEVILLE, 1861-. The mosses of the Oxford University Expedition to Spitzbergen, 1921. (Bryologist, Sept. 1922. v. 25, p. 86-89) Results of the expedition, no. 17. Issued also as Oxford University. *Spitsbergen papers*, 1925, v. 1, no. 29.

Note concerning the collection of eighty-two (including five new) species, with remarks on eighteen of them. *Copy seen:* DLC.

3998. DIXON, HUGH NEVILLE, 1861-. Note on a form of *Pottia heimii* from Greenland. (Bryologist, Sept. 1922, v. 25, p. 92-93)

Descriptive note and remarks on a moss from West Greenland, about 70°N. *Copy seen:* DLC.

3999. DIXON, HUGH NEVILLE, 1861-. Notes on the mosses of the Oxford University Expedition to West Greenland, 1928. (Bryologist, Jan. 1929. v.

32, p. 1-3) *Reprinted as Oxford University Exploration Club, Greenland and Spitsbergen papers*, 1934, no. 5.

Contains a list, with habitats and notes, of eleven (including with full description, one new) species all from the vicinity of the camp on Godthaab Fiord, representing the more interesting mosses from a collection of over one hundred and fifty species.

Copy seen: DLC.

4000. DIXON, HUGH NEVILLE, 1861-. Spitzbergen mosses. (*Bryologist*, Sept. 1924. v. 27, p. 69)

Note on seven species, among the collection of the Merton College Expedition to Spitsbergen, 1923.

Copy seen: DLC.

4001. DIXON, HUGH NEVILLE, 1861-. Supplementary note on the mosses of Prince Charles Foreland, Spitzbergen. (*Botanical Society of Edinburgh. Transactions*, July 1910, *pub.* 1912. v. 24, p. 93-94)

List of eight species, collected by Dr. W. S. Bruce, 1906-07, two of which were not included in J. Hagen's list, 1908, q.v.

Copy seen: DLC.

4002. DIXON, JOSEPH SCATTERGOOD, 1884-. Birds & mammals of Mount McKinley National Park, Alaska. Washington, U. S. Govt. Print. Off. [1938] xii, 236 p. illus. sketch map, plate. (U. S. National Park Service. Fauna ser. No. 3)

Based on a survey by the author and G. M. Wright, sponsored cooperatively by the U. S. National Park Service and the Museum of Vertebrate Zoology, University of California, summer 1926 and 1932. Brief notes on the geology, climate, life zones, habitats, and fluctuations in animal population of the region, itineraries of the two trips and description of localities; check-lists followed by descriptions, and notes on habits and distribution, of one hundred twelve species of birds, and thirty-four species of mammals.

Copy seen: DSI-M.

4003. DIXON, JOSEPH SCATTERGOOD, 1884-. Birds observed between Point Barrow and Herschel Island on the arctic coast of Alaska. (*Condor*, Mar. 1943. v. 45, p. 49-57, illus., sketch map)

Based on the author's field notes and collections made for the Harvard Mu-

seum of Comparative Zoology, 1913-14, when an expedition of Harvard University graduates was frozen in, just west of the International boundary. Notes on the author's coastal collecting and the conditions near Demarcation Point; with an annotated list of fifty-four species of birds.

Copy seen: DSI-M.

4004. DIXON, JOSEPH SCATTERGOOD, 1884-. Contribution to the life history of the Alaska willow ptarmigan. (*Condor*, Sept.-Oct. 1927. v. 29, p. 213-23)

Observations of habits, nesting, and plumage of these birds, in Mt. McKinley National Park.

Copy seen: DSI-M.

4005. DIXON, JOSEPH SCATTERGOOD, 1884-. Field notes from Alaska. (*Condor*, July 1908. v. 10, p. 139-43)

Letters from the author written during the Alexander Alaska Expedition in 1908, to the Prince William Sound region, giving notes on the birds and other life of islands in the Sound.

Copy seen: DSI-M.

4006. DIXON, JOSEPH SCATTERGOOD, 1884-. Some experiences of a collector in Alaska. (*Condor*, Sept. 1907. v. 9, p. 128-35)

Letters from the author written during the Alexander Alaska Expedition in 1907, to Southeast Alaskan Islands, giving notes on birds of Admiralty and Chichagof Islands and Glacier Bay.

Copy seen: DSI-M.

4007. DIXON, JOSEPH SCATTERGOOD, 1884-. The surf-bird's secret. (*Condor*, Jan. 1927. v. 29, p. 3-16, illus., plate)

Detailed report on the appearance at breeding time, nesting, food, and behavior of this shore bird, whose breeding ground was discovered in 1926, after many years' search, in the Mt. McKinley district.

Copy seen: DSI-M.

DIXON, JOSEPH SCATTERGOOD, 1884-. *see also* Grinnell, J., & others. Birds & mammals, 1907 Alexander exped. 1909.

4008. DIXON, ROLAND BURRAGE, 1875-1934. The mythology of the central and eastern Algonkins. (*Journal*

of American folk-lore, 1909. v. 22, p. 1-9)

Comparative discussion of myths of various tribes, including Montagnais, Nascopi, Cree, and others.

Copy seen: DLC.

4009. DIXON, ROLAND BURRAGE, 1875-1934. Tobacco chewing on the northwest coast. (American anthropologist, 1933. New ser. v. 35, p. 146-50)

Discussion of the custom among the Haida and Tlingit.

Copy seen: DLC.

DIXON, ROLAND BURRAGE, 1875-1934, see also Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

4010. DMITRIEV, S. P. Istoriia karty Ob'-Eniseiskogo raiona Karskogo moria. (Sibirskii kraevoi nauchno-issledovatel'skii s'ezd. 1st, Novosibirsk, 1926. Trudy, 1928. T. 4, p. 64-75)

Title tr.: History of the map of the Ob'-Yenisey region of Kara Sea.

Historical sketch of cartography of the region with general comment on the ships' courses charted.

Copy seen: DLC.

4011. DMITRIEV, S. P. K voprosu o rasprostraneni prilivnoi volny v ust'e reki Pechory. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1932, no. 1, p. 95-97, map) *Title tr.:* On the extent of the tide in the Pechora River estuary.

Data on the extent of tides in the estuary as supplemented by results of additional observations made at 68°23'6"N. 54°07'40"E.

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4012. DMITRIEV, S. P. K voprosu o techeniakh na Pechorskoi bare. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1932, no. 4, p. 83-88, diagr.) *Title tr.:* Currents at Pechora Bar.

Results of investigations on currents, Sept. 25, 1931, at Pechora Bar, 68°24'6"N. 54°34'6"E.

Copy seen: DLC.

4013. DMITRIEV, S. P. Obrabotka priliva v Advent Bay na Shpit'sbergene. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1932, no. 4, p. 75-81, map, diagr.) *Title tr.:* Tidal observations in Advent Bay, West Spitsbergen.

Results of observations made in the autumn, 1931.

Copy seen: DLC.

4014. DMITRIEV-SADOVNIKOV, GRIGORI. Rieka Polui. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1916. T. 52, p. 493-97, plate) *Title tr.:* Poluy River.

The river (a right tributary of the Ob' at about 66°N. 66°30'E.) vegetation and animal life along its bank, the Ostyaks of the region, as reported by the author, who (with B. U. and V. U. Gorodkov) ascended the Poluy for about a hundred and fifty miles from Obdorsk for the purpose of surveying the river and gathering botanical specimens (July 15-Aug. 4, 1914).

Copy seen: DLC.

4015. DMITROCHENKO, A. P. Eksperimental'noe kormlenie olenei iagelem. (Sovetskoe olenevodstvo, 1934. Vyp. 4, p. 17-44, tables) *Title tr.:* Reindeer feeding experiments on lichen.

Summary in English.

Copy seen: CaOA; DF.

4016. DNEVNIKI CHELIUSKINTSEV. Leningrad, Goslitizdat, 1935. 567, [4] p. illus., plates, ports., diagr. *Title tr.:* Diaries of the members of the Cheliuskin Expedition. O. Shmidt's chapter is reprinted from *Pokhod Cheliuskina*.

Narratives and diaries of scientists and crew dealing with the Cheliuskin's attempt to sail along the Northern Sea Route from Leningrad to Vladivostok (1933-1934). The events leading to the sinking of the ice-breaker in the Chukchi Sea on Feb. 13, 1934, the life of the participants in a temporary camp on the drifting ice, and their rescue by air two months later are given in detail. Chapter by O. Shmidt, the leader of the expedition, indicates the scope of the work.

This first chapter (by Shmidt) appears in English translation in *The voyage of the Cheliuskin*, 1935, q.v. Otherwise these two works (both purporting to be drawn from the expedition's members' own records) differ somewhat, *Dnevnik Cheliuskintsev* including rather more general, and *The voyage of the Cheliuskin* rather more scientific information.

Copy seen: DLC.

4017. DOBBS, C. G. Note on larger fungi of Spitsbergen. (Journal of botany, May 1942. v. 80, p. 94-102, sketch map)

A list of sixteen species (collected in 1936, mostly at Bruce City and Ebba

Valley, inner Ice Fiord, at Bock Bay and King's Bay) is compared with previous records; notes on distribution in relation to wet ground, the presence of woodland species in a tree-less country and the concentration of agarics near human settlements; bibliography (12 items). **Copy seen:** DA.

4018. DOBBS, C. G. The vegetation of Cape Napier, Spitsbergen. (Journal of ecology, 1939. v. 27, p. 126-48, 2 plates, 2 sketch maps, diags.)

A reinvestigation and detailed study was made in 1936, of a small area back of this cape in Klaas Billen Bay, described and surveyed by J. Walton in 1922, and reported in his, *A Spitsbergen saltmarsh*, 1922, q.v. Dobbs gives results of ring sampling and frequency studies, description of the plant complexes and communities on shingle beach, salt marsh, and wet tundra, a comparison with Walton's zones, and a list of ten plants found on Mt. Campbell at about 2000 ft. **Copy seen:** DA.

***4019. DOBROLUBOVA, T. A.** Korally *Rugosa* srednego i verhnego karbona i nizhnei permii Severnogo Urala. (Akademii nauk SSSR. Polifarnaia komissii. Trudy, 1936. Vyp. 28, p. 77-158, illus.) **Title tr.:** *Rugosa* corals of the Middle and Upper Carboniferous and Permian of the North Ural.

Descriptions of twenty-two (including four new) species. Summary in English. **Copy seen:** DLC.

4020. DOBROLUBOVA, T. A. I. Tektonika i stratigrafiia kamennougol'nykh osadkov po r. Podcheremu v basseine Pechory. II. Geologicheskie issledovaniia po r. Vuktylu v basseine Pechory. Moskva, 1926. 60, [4] p., maps, diagr. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 32) **Title tr.:** I. Tectonics and stratigraphy of the coal deposits on the Podcherem River, in the Pechora basin. II. Geological investigations on the Vuktyl River in the Pechora basin.

Results of field observations made for the Northern Scientific and Economic Expedition, 1920-1926, with lists of fauna found in the carboniferous deposits. Summary in English, p. 31-32, and p. 61. **Copy seen:** DLC.

4021. DOBROTORSKII, I. M. O vliianii kastratsii na severnogo olenia. (Sovetskoe olenovodstvo, 1935. Vyp. 5,

p. 47-72, illus., tables, diags.) **Title tr.:** The influence of castration upon reindeer.

A general (not experimental) study of the effect of castration on reindeer, especially for butchering.

Copy seen: CaOA; DF.

4022. DOBROTORSKII, I. M. Rost i razvitiie teliat-olenei v usloviakh Malozemel'skoi tundry. (Leningrad. Nauchno-issledovatel'skii institut pol'iarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenovodstva, 1938. Vyp. 3, p. 7-98)

Title tr.: Growth and development of the reindeer calves in the conditions of the Malozemel'sk Tundra. Summary in English. **Copy seen:** DLC.

4023. DOBROTORSKII, I. M. Zootekhnicheskaiia kharakteristika olenovodstva ostrova Kolgueva. (Leningrad. Nauchno-issledovatel'skii institut pol'iarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenovodstvo, 1938. Vyp. 2, p. 163-222) **Title tr.:** Zootechnical characteristics of reindeer breeding on Kolguev Island.

Describes physical characteristics of Kolguev Island reindeer, and recommends measures to improve their culture: in use of pastures, selection of breeders, fodder storage, insect control, etc., Bibliography (7 items). Summary in English. **Copy seen:** DLC.

DOBROTORSKII, I. M., see also Trautvetter, E. R. Plantas quasdam in Insulae Praefectoriis nuper lectas. 1886.

DOBROTORSKII, I. M., see also Vinogradov, M. P., & I. M. Dobrotvorskii. Zhivoi ves i ves tushi domashnego severnogo olenia. 1935.

4024. DOBROVA-TADRINTSEVA, L. I. K pervonachal'nym nametkam piatiletniogo plana razvitiia khoziaistva tuzemnykh raionov. (Sovetskii Sever, 1930, no. 9-12, p. 86-107, tables) **Title tr.:** Preliminary outline of the economic development of regions inhabited by aborigines during the Five Year Plan.

Contains data on population, establishment of national districts, economic conditions, occupations (reindeer breeding, hunting, fishing, agriculture, handicrafts), colonization of outlying districts, and cultural work.

Copy seen: DLC.

*Dobrokhotov, M. A., see No. 4029.

4025. DOBROVA-IADRINTSEVA, L. I. Opytnaia rabota v oblasti sel'skokho-ziaistvennogo osvoeniia Krainego Severa. (Sovetskii Sever, 1935. T. 6, no. 2, p. 16-26, illus.) *Title tr.:* Experimental work in the field of agricultural development in the far North.

Discussion of the scientific research carried on in northern experimental stations: testing various cultures, and methods of vegetable growing, tillage, livestock breeding and improvement of fodder bases. Record of agricultural scientific research stations in the North of the U.S.S.R. (p. 26).

Copy seen: DLC.

4026. DOBROVOL'SKII, A. D. Plavaniia F. P. Litke; pod red. N. N. Zubova. Moskva, Gos. izd-vo geogr. lit-ry, 1948. 77 p. port., maps. *Title tr.:* The voyage of F. P. Litke; edited by N. N. Zubov.

Biography of Fëdor Petrovich Litke, 1797-1882, Russian naval officer and explorer, president of the Academy of Sciences, 1864-82. Includes a brief survey of the main Russian expeditions and voyages in the early 19th century; of Litke's expeditions to Novaya Zemlya on the *Novaya Zemlya* in 1821, 1822, 1823 and 1824, p. 19-35; his round-the-world voyage on the *Senävin* from Kronstadt via Alaska and Kamchatka, 1826-29, and his exploration of the coasts of Chukotsk Peninsula (discovering of Arakamchechen Island, Senävin Strait, Cape Chaplina, etc.) p. 45-52, 65-70.

Copy seen: DLC.

4027. DOBROWOLSKI, ANTONI BOLESŁAW, 1872- . Historia naturalna lodu . . . Warszawa, 1923. 2 p. l., xxvi, 940 p. illus. *Title tr.:* Natural history of ice.

Text in Polish; preface and table of contents are given here (p. 921-40) in Polish, and French, and in English in the author's *Glaciers: structure and movement theories*, 1948, q.v. Basic work, a comprehensive treatise on the physical properties, formation, and crystallization of snow, frost (including permafrost) and ice, and on the structure and movement of glaciers.

Chapters on: Conditions of the congelation of water; Conditions of the congelation of water-vapour; General conditions of the growth of atmospheric ice; Crystallography of ice; Crystalli-

zation of water-vapour in a free space; Crystallization of water-vapour on the surface of solids; Congelation of drops; Congelation of still waters; Congelation of troubled waters; Congelation of ground-water; The snow cover—its physical properties; Snow cover—description; Glaciers—structure; Glaciers—movement; Atmospheric ice-crystals and the phenomenon of halos. Bibliography, p. 903-905. Index of investigators' names, p. 906-916.

Copy seen: DLC.

4027A. DOBROWOLSKI, ANTONI BOLESŁAW, 1872- . Glaciers; structure and movement theories. Reprint of chapters XIII and XIV of the author's *Historia naturalna lodu* (Natural history of ice) pub. . . 1923, with a foreword by the author and an annex containing the table of contents and preface to the complete work. Warsaw [1948] x, 191 p. illus. (Polskie towarzystwo geograficzne. Biuletyn, 1939-48. Pt. 16, suppl. no. 1)

In the foreword (p. v-viii) Dobrowolski states that this is a "translation [by Prof. B. W. A. Massey, University of Poznań, Poland] without any changes or additions designed to bring it up to date, apart from a supplement on the snow line and on recrystallization at low temperatures taken from chapter XII ('Snow cover—descriptive'), and the omission of the introduction with its classification of glaciers, and of a whole comprehensive subsection on the geometry of glacier movement." He indicates how his work, mainly completed in 1916, is still a fundamental study and how other geologists and glaciologists have advanced knowledge of the subject.

The translated chapters 13-14 (p. 1-159) deal with perpetual snow-cover, granular structure of glacier ice, stratification of firn and the structure of the glacier-tongue, glacier movement (causes, essence of their plasticity) and attempts at a mathematical and physical theory of glacier-movement. The "annex" (p. 169-91) provides a comprehensive and detailed outline of the original publication. Bibliography: about 320 items from the original (1923) publication.

Copy seen: DGS.

DOBZRZHANSKII, F. G., *see* Dobzhansky, Theodosius Grigorovich, 1900-

4028. DOBZHANSKY, THEODOSIUS GRIGORIEVICH, 1900-. Materialy dlia fauny Coccinellidae (Coleoptera) Yakutii. (Akademiia nauk SSSR. Komissiiia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1926. Vyp. 3, p. 1-10) *Title tr.*: Materials on the Coccinellidae (Coleoptera) fauna of Yakutia.

List of thirty-three species of beetles of Yakut A.S.S.R., with their localities. Bibliography.

Copy seen: DLC.

4029. DOBROKHOTOV, M. A. Vypusk i rasselenie ondatriy v doline reki Markhi (levyi pritok Viluiia). (Leningrad. Nauchno-issledovatel'skii institut po liarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seriiia "Promyslovoe khoziaistvo," 1940. Vyp. 12, p. 33-56, diagr.) *Title tr.*: The importing and spreading of muskrat in the valley of Markha River (left hand tributary to Vilyuy River).

Observations made by the author in 1937 and 1938, with description of the region, habitats and propagation and trapping of muskrat; and his conclusions on future work for its acclimatization.

Copy seen: DLC.

DODD, ESTHER E., see Denmead, T., & E. E. Dodd. Whaling W. coast N. America. 1940.

4030. DODD, JOHN M. Salmon—Alaska's real gold. (Alaska life, Apr. 1946. v. 9, no. 4, p. 40, 43-44, 47, illus.)

Description for general readers, of the operation of a salmon cannery, by the doctor for employees of a cannery at Ugashik on Bristol Bay, Alaska Peninsula.

Copy seen: DLC.

4031. DODWELL, C. H. The Copper Eskimos of Coronation Gulf. (Canadian geographical journal, June 1936. v. 13, p. 60-81, incl. 13 p. of illus., sketch map)

Graphic account of the customs, clothing, hunting, amusements, etc., of these people, including their snow-house building.

Copy seen: DLC.

4032. DÖDERLEIN, LUDWIG HEINRICH PHILIPP, 1855-1936?. Arktische Crinoiden. (*In*: Fauna arctica, 1905. Bd. 4, p. 395-406, tables) *Title tr.*: Arctic crinoides.

List, with synonymy, references, descriptive notes and distribution in arctic

seas, of six species of sea lilies and feather stars, tabular representation of horizontal and vertical distribution, and a bibliography (32 items).

Copy seen: DA.

4033. DÖDERLEIN, LUDWIG HEINRICH PHILIPP, 1855-1936?. Arktische Seeigel. (*In*: Fauna arctica, 1905. Bd. 4, p. 373-94, table) *Title tr.*: Arctic sea urchins.

A list, with synonyms, references, and distribution of twenty-seven species, followed by discussion of horizontal and vertical distribution in the circumpolar waters, Labrador and Bering Sea and Baffin Bay-Davis Strait; bibliography (52 items).

Copy seen: DA.

4034. DÖDERLEIN, LUDWIG HEINRICH PHILIPP, 1855-1936?. Die Echinodermen. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen im Sommer 1898 auf S.M.S. "Olga." II. (Wissenschaftliche Meeresuntersuchungen, 1900. Neue Folge, Bd. 4, Abt. Helgoland, p. 195-248, 7 plates) *Title tr.*: The echinoderms. Zoological results of a research expedition (etc.) to Bear Island and West Spitzbergen in the summer of 1898 on S.M.S. Olga. II.

Contains a list, with synonymy, localities, habitats and full discussion of size, variations, etc., of thirty species of sea urchins, stars, cucumbers, etc.; a list of stations with depths, bottom type and species collected, including locations from Norway across Greenland Sea and in the fiords of the west coast of West Spitzbergen.

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4035. DÖLL, LUDWIG. Klima und Wetter an der Küste von Labrador. (Hamburg. Deutsche Seewarte. Archiv, 1937. Bd. 57, Nr. 2, 51 p., map, fold. plate, 3 fold. diagrs.) *Title tr.*: Climate and weather on the coast of Labrador.

A summary and analysis of the meteorological observations taken by various persons and organizations during the years 1882-1917.

Copy seen: DLC.

4036. DOFLEIN, FRANZ, 1873-1924. Die dekapoden Krebse der arktischen Meere. (*In*: Fauna arctica, 1900. Bd. 1, p. 313-62, sketch chart) *Title tr.*: The decapod Crustacea of arctic seas.

Contains a systematic list of the shrimps, lobsters and crabs, with synonymy and circumpolar distribution (over one hundred species); and a discussion of their biology, occurrence in plankton, and zoogeography.

Copy seen: DA.

4037. DOGEL', VALENTIN ALEK-SANDROVICH. O nekotorykh Sporozoa, parazitiruiushchikh v *Chirodota pellucida*. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1904. T. 35, vyp. 1, p. 383-85) *Title tr.:* On some Sporozoa parasitic on *Chirodota pellucida*.

Contains data on the biology of a sporozoan *Cystobia chirodotae* n. sp., found in 1903 in Kola Bay, living as a parasite in alimentary canal of a holothurian, *Chirodota pellucida*; also preliminary description of another parasitic protozoan, *Hyalosphaera gregarinicola* n.g. n.sp. observed living as a parasite of this gregarinid, *Cystobia chirodotae*.

Copy seen: MH-Z.

4038. DOGEL', VALENTIN ALEK-SANDROVICH. Zametka o faune infuzorii, naseliâushchikh zheludok severnogo olenâ. (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy, 1935. T. 24, p. 143-48, tables) *Title tr.:* A note on the infusoria in the reindeer stomach.

A study of five specimens taken in Malozemel'skaya Tundra. Summary in German.

Copy seen: DLC.

DOGEL', VALENTIN ALEKSANDRO-VICH, see also Deriûgin, K. M. Fauna Ekaterinskoi gavanî. 1906.

DOGEL', VALENTIN ALEKSANDRO-VICH, see also Deriûgin, K. M. K faunâ Kol'skago zal. I-II, 1908-09. 1910-11.

4039. DOKTUROVSKII, VLADIMIR SEMENOVICH, 1884-1938. Po reke Umbe i reke Voron'eî. (Zemlevedenie, 1934. T. 36, vyp. 3, p. 289-301, diagrs.) *Title tr.:* On the Umba and Voron'ya Rivers.

Report on a traverse of Kola Peninsula in 1924 from Umba village (66°5' N. 34°E.) on the White Sea to Gavrilovo (69°3'N. 35°5'E.) on the Barents Sea by a three-man party, by boat (upstream on the Umba and downstream on the Voron'ya River) and by foot across the Khibiny plateau. Brief

general description of the region, its climate, vegetation, land forms, lakes, rivers, population (human, reindeer and fish) and (in more detail) results of peat investigations made during the trip, with emphasis on structure and pollen content. Includes three diagrams, indicating the structure and pollen content of peat in the southern, central and northern parts of the peninsula.

Copy seen: DLC.

DOKTUROVSKII, VLADIMIR SEMENOVICH, 1884-1938, see also Fedchenko, B. A., & others. Illüstrirannyi opredelitel' rastenii Sibiri. 1909.

4040. DOKUCHAEV, VASILII VASIL'EVICH, 1846-1903. Uchenie o zonakh prirody. Moskva, Geografiz, 1948. 62 p. port. *Title tr.:* Knowledge of natural zones.

Reprint of five of the author's papers, of which two contain physical and geographical data on the tundra and taiga zones of the U.S.S.R. The introduction by the editor, I. U. Saushkin (p. 3-10) contains a critical revision of Dokuchaev's views on landscape zones.

Contents (tr.) include: Natural zones and classification of soils (p. 31-41). Supplements to the "nizhegorodskii (Nizhnii-Novgorod) method" of estimating the value of agricultural areas (p. 48-62).

Copy seen: DLC; MH.

4041. DOLCH, MORITZ, 1885-1931, and O. KOCH. Die Kohle von Spitzbergen. (Oberschlesischer Berg- und Hüttenmännischer Verein. Zeitschrift, 1928. Bd. 67, p. 221-26) *Title tr.:* Spitsbergen coal.

Results of analyses of the coal by two members of the Technical Chemical Institute of Halle University.

Copy seen: DGS.

4042. DOLE, NATHAN HASKELL, 1852-1935. America in Spitsbergen; the romance of an arctic coal-mine, with an introduction relating the history and describing the land and the flora and fauna of Spitsbergen. Boston, Marshall Jones Co., 1922. 2 v. (xvii, 440 p.; x, 484 p.) fronts., 60 plates (part col.) incl. ports., double face map.

"The material for the main body of the work has been put into the author's hand by Mr. John Munro Longyear."—Introd.

A detailed history of the Arctic Coal Co. mine at Longyear City in Advent Bay, 1905-1916, with an introductory section (p. 1-162) containing useful general information about West Spitsbergen. *Copy seen:* DLC; NNStef.

4043. DOLE, RICHARD BRYANT, 1880-1917, and A. A. CHAMBERS. Chemical character of some surface waters of Alaska. (In: Waring, G. A., and others. Mineral springs of Alaska. U. S. Geological Survey. Water-supply paper, 1917. No. 418, p. 99-109)

Contains tables showing mineral analyses and chemical composition of Yukon, Tanana, Chatanika, Tolovana, Kruzgamepa, Lowe, and Copper Rivers, and some creeks. *Copy seen:* DGS.

4044. DOLGII, N. ĪA. Tel'ata, svin'i i golubi na arkticheskoi zemle. (Sovetskaiā Arktika, 1936, no. 3, p. 101-104, illus.) *Title tr.:* Calves, swine, and pigeons in the arctic region.

Discussion of whether the acclimatization of domestic animals is possible under conditions of the far North, based on the author's experience wintering at Cape Shmidt (68°58'N. 179°24'E.) in 1934-35.

Copy seen: DLC.

4045. DOLGII-RAPOPORT, N. ĪA. Na ostrove Vrangeliā. (Sovetskaiā Arktika, 1937, no. 4, p. 92-94) *Title tr.:* On Wrangel Island.

Report (by radio) from the leader of the party on the island in 1937, describing the general development of the region. *Copy seen:* DLC.

4046. DOLGIKH, B. O. O rodoplenenii sostave i rasprostraneniĭ entsev. (Sovetskaiā ětnografiā, 1946, vyp. 4, p. 109-124) *Title tr.:* Concerning the clan-tribe composition and distribution of the Entsi.

Contains an historical analysis of the tribal composition and distribution of the Yenisey Samoyeds (or Entsi) now living mainly in the Taymyr National District at the mouth of the Yenisey River, and divided into three tribal groups. The author gives a detailed description of each, with the names of clans comprising it, their number and history. *Copy seen:* DSI-M; NN.

DOLGOPOLOV, G. N., see Mamoshkin, S. N. Igarskii port k navigatsii 1936 g. 1936.

4047. DOLGOPOLOV, N. N. Issledovanie v oblasti polukoksovaniā Olenekskogo bogkheda. (Nedra Arktiki, 1947. No. 2, p. 126-37) *Title tr.:* A study of semi-coking of Olenek boghead coal.

A study of properties of the coal of Olenek River region, with a brief discussion on the choice of furnace for its semi-coking. Summary in English.

Copy seen: DLC.

4048. DOLGOPOLOV, N. N. Khimicheskaiā kharakteristika i puti ispol'zovaniā tiksinskogo ughiā. (Nedra Arktiki, 1947. No. 2, p. 113-17) *Title tr.:* Chemical characteristics and ways of utilization of the Tixsi coal.

Some analyses of coal (a lignite with low sulfur and high moisture content) mined at Tixsi Bay, Yakut A.S.S.R., with bibliography. Summary in English. *Copy seen:* DLC.

4049. DOLGOPOLOV, N. N. Toplivnye suspenzii iz Olenekskogo bogkheda. (Nedra Arktiki, 1947. No. 2, p. 118-25, diags.) *Title tr.:* Fuel suspensions from the Olenek boghead coal.

Discussion of the technical requirements in connection with the use of Olenek boghead coal as supplementary fuel for Diesel engines. The coal is characterized by low specific gravity, low sulfur and water content, and high calorific value. Summary in English.

Copy seen: DLC.

4050. DOLLARD, NEIL H. The Little Diomede. (Alaska sportsman, Oct. 1946. v. 12, no. 10, p. 18-19, 33-34, illus.)

General description of buildings and people on this island in Bering Strait.

Copy seen: DLC.

DOLLFUS, GUSTAVE-F., see Ramond, G. & G. F. Dollfus. Géologie du Spitzberg. 1894.

DOLLFUS, ROBERT-PH., see Charcot, J. B. A. E., & others. Rapport préliminaire Pourquoi-Pas? 1929. 1931.

DONABEDOV, A. T., see Obruchev, V. A., & others. A. A. Petrovskii. 1947.

DONOHUE, W. L., see Rhodes, A. J., & others. Outbreak poliomyelitis in Eskimos. Laboratory invest. 1949.

4051. DONOVAN, DESMOND T. Observations on the Mesozoic rocks of Geographical Society Ø, East Green-

land. København, C. A. Reitzel, 1949. 13, [1] p. illus., sketch map. (Meddelelser om Grønland. Bd. 149, no. 5). University of Bristol Geological publication no. 223.

Notes on the Jurassic and Cretaceous rocks and fossils examined during the Danish Expedition to East Greenland, 1947; with a bibliography (15 items).

Copy seen: DGS.

4052. DONS, CARL FREDERIK LINDEMAN, 1882-1949. Endel sjeldnere fisk i Nord-Norge. (Tromsø, Norway. Museum. Aarshefter, 1920, *pub.* 1921. Bd. 43, no. 6, p. 1-40, plates 1-2) *Title tr.:* Some rare fishes of northern Norway.

Contains an enumeration of eighty fishes, chiefly from fiords of northern Norway and a few from rivers, with citation of specimens in the Tromsø Museum arranged by the dates of collections and with occasional critical notes; bibliography (15 items). Includes many native to Nordland, Tromsø and Finnmark provinces. *Copy seen:* MH-Z.

4053. DONS, CARL FREDERIK LINDEMAN, 1882-1949. *Folliculina*-Studien I-III. (Archiv für Protistenkunde, 1912. Bd. 27, hefte 2, p. 73-93, illus., plate 5) *Title tr.:* *Folliculina* studies I-III.

Contains (in pt. I) a description of *Folliculina spirorbis* n. sp. native to Bjarkø, Hjelmsø, northern Norway and West Spitsbergen, and (in pt. III) critical notes and data on distribution of species of *Folliculina* new to the protozoan fauna of Norwegian waters, including *F. melitta* and *F. spirorbis*. Pt. II does not include arctic material. Continued as the author's *Folliculina Studien* IV, 1913, q.v.

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4054. DONS, CARL FREDERIK LINDEMAN, 1882-1949. *Folliculina*-Studien IV. Vorläufige Bemerkungen über die Systematik der Folliculiniden nebst Beschreibung neuer norwegischen Arten. (Tromsø, Norway. Museum. Aarshefter, 1912-13, *pub.* 1913. Bd. 35-36, p. 59-92, illus., plates 1-2) *Title tr.:* *Folliculina* studies IV. Preliminary notes on systematic of folliculinidae and descriptions of some new Norwegian species.

Contains descriptions of Folliculinidae n. fam. of marine protozoans; new

genera *Semifolliculina*, *Parafolliculina* and *Pseudofolliculina*; and *Semifolliculina gigantea*, and *Parafolliculina amphora* n. spp., living on algae in fiords of northern Norway (Tromsø) and in Svalbard and Novaya Zemlya waters.

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4055. DONS, CARL FREDERIK LINDEMAN, 1882-1949. Hydroid Bemerkungen. I. *Rhizogeton nudus* Broch und *Halecium curvicaule* Lorenz, neue für die Fauna Norwegens. (Tromsø, Norway. Museum. Aarshefter, 1911, *pub.* 1912. Bd. 34, p. 51-70, illus.) *Title tr.:* Notes on hydroids. I. *Rhizogeton nudus* Broch and *Halecium curvicaule* Lorenz new to the fauna of Norway.

Contains descriptions of two hydroids new to the fauna of Norway, *Rhizogeton nudus* and *Halecium curvicaule* found in Bjarkø Island waters (69°N.), northern Norway, with synonymy, critical notes and data on total distribution (Greenland, West Spitsbergen, Jan Mayen, Murman coast, Solovetskiye Islands).

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4056. DONS, CARL FREDERIK LINDEMAN, 1882-1949. Nord-Norges decapoder. (Tromsø, Norway. Museum. Aarshefter, 1914, *pub.* 1915. Bd. 37, p. 15-152, illus., 2 plates) *Title tr.:* Northern Norwegian decapods.

Based on material in the Tromsø Museum, a systematic list, with synonyms, localities, depths, notes, and some keys, to over forty species of crabs and shrimps from the waters of northern Scandinavia, the Murman coast and Greenland Sea between North Cape and West Spitsbergen; tables of horizontal and vertical distribution; and a bibliography (53 items).

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4057. DONS, CARL FREDERIK LINDEMAN, 1882-1949. Slegten *Hyas*. (Tromsø, Norway. Museum. Aarshefter, 1911, *pub.* 1912. Bd. 34, p. 115-78, illus. plates 1-3, tables 1-10) *Title tr.:* The genus *Hyas*.

Contains a morphological, biological and taxonomic study of decapodous genus *Hyas* and its two common species, *H. araneus* and *H. coarctatus* with synonymy, tables of variations, critical notes and data on total distribution; both species are native to all but the most northerly of arctic waters. Summary in English.

Copy seen: MH-Z.

4058. DONS, CARL FREDERIK LINDEMAN, 1882-1949. Zoologiska notiser II. Om egglaegningen hos enkelte Buccinider. (Tromsø, Norway. Museum. Aarshefter, 1912-13, pub. 1913. Bd. 35-36, p. 11-22, illus.) *Title tr.*: Zoological notes, II. On egg laying of some Buccinidae.

Contains data on egg lumps, egg capsules and fetuses of seven species of marine molluscs (Buccinidae) based on material from Greenland and Barents Sea and fiords of northern Norway.

Copy seen: MH-Z.

DONS, CARL FREDERIK LINDEMAN, 1882-1949, see also Sparre Schneider, H. J. Tromsø Sundets amphipoder, isopoder og cumaceer. 1926.

4059. DOPPEL'MAIR, GEORGII GEORGIEVICH, 1880-. Programmy i instruktzii po izucheniiu pushnogo i okhotnich'ego promysla v Yakutskoi ASSR. Leningrad, 1926. 3 p. l., 25, xxiii, p. incl. forms. (Akademiia nauk SSSR. Komissiiia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1926, vyp. 7) *Title tr.*: Programs and instructions for the study of fur trade and hunting in Yakut A.S.S.R.

A discussion of conditions and of the over-all problems in the fur trade and hunting industry of the Yakut A.S.S.R.; suggestions for a research program and a census among hunters (with examples for questionnaires to be used for this purpose).

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4060. DOPPEL'MAIR, GEORGII GEORGIEVICH, 1880-. Pushnoi i okhotnichii promysel Yakutii. (In: Yakutiia, 1927, p. 421-67) *Title tr.*: Fur trade and hunting of Yakutia.

Description of the distribution of fur-bearing animals in the Yakut A.S.S.R., the relative importance of different species for the fur trade and statistical data on the furs produced in the region. Bibliography, p. 465-67.

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4061. DORFMAN, M. D. K petrologii iakupirangit-urtitovykh porod v Khibinskikh tundrach. (Akademiia nauk SSSR. Izvestiia, 1948. Seriiia geologicheskaiia, no. 3, p. 121-29, diagr.) *Title tr.*: The petrology of yakupirangite-urtite rocks of the Khibina tundras.

Discussion of the composition and genetic relations of the rocks which are

considered differentiation products of nepheline syenite intrusions.

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4062. DOROFEEV, S. V. Aviatshiia v Belomorskom zveroboimom promysle. (Sovetskaiia Arktika, 1937, no. 2, p. 63-65, illus.) *Title tr.*: The role of aviation in the White Sea sealing industry.

Experiments in using small amphibian planes based on ice-breakers, also planes of higher power with coastal bases, for aerial reconnaissance in sealing.

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4063. DOROFEEV, S. V. Materialy po detnomu periodu zhizni grenlandskogo tiulenii. Moskva, Leningrad, 1936. 39 p. illus., tables, diagrs. (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy. Vyp. 31) *Title tr.*: Materials on the study of the early life of the White Sea harp seal (*Histiophoca groenlandica oceanica*).

Report on breeding, growth and lactation period, based on the author's observations, 1934-35. Summary in English.

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4064. DOROFEEV, S. V. Vliianie ledovykh uslovii na poredenie grenlandskogo tiulenii. (Zoologicheskii zhurnal, 1939, T. 18, vyp. 5, p. 748-61, illus.) *Title tr.*: The effect of the ice conditions on the behavior of harp seals.

Discussion on the ecology of the harp seal in the White Sea in relation to the ice régime. Description of the seals' course in migrating to breeding and moulting grounds (by large channels through the ice field); choice of thick, hummocky ice for breeding. Change in locations and distribution of rookeries in recent years is shown to be related to changes in ice conditions and channels available. Effect of changes in rookeries on hunting enjoins a study of ice conditions by sealers. Illustrations (from photographs) show seals, breathing holes, and (from airplane) rookeries. Bibliography (18 items). Summary in English.

Copy seen: DLC.

4065. DOROFEEV, S. V. Vozdushnye razvedki tiulenei v Okhotskom more. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia, 1940. T. 20, p. 151-55) *Title tr.*: Aerial reconnaissance for seals in the Okhotsk Sea.

Account of the author's reconnaissance flights, 1930, for experimental observation of seal distribution in the open sea.

Copy seen: DLC.

4066. DOROFEEV, S. V., and S. I. FREIMAN. Aërofotos"emka kak metod kolichestvennogo ucheta Grenlandskogo tülenia. (*In:* Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 176-93, illus., tables) *Title tr.:* Air photography as a method of quantitative calculation of the Greenland seals.

Discussion of the methods of estimating the seal population of the White Sea, especially by air photography; includes data on seal hunting, 1914-26, the biological and technical principles of calculation, and the results of the experimental use of air photography by a special expedition in the spring of 1927, with records of the observations from airplane.

Copy seen: DLC.

4067. DOROFEEV, S. V., and S. I. FREIMAN, editors. Morskii mlekovopitushchie Dal'nego Vostoka (Syr'evaiia basa i promyshlennoe ispol'zovanie). Moskva, Vsesoiuznoe kooperativnoe ob'edinennoe izd-vo, 1935. 276 p. illus., maps, tables, diagrs. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1936. T. 3) *Title tr.:* The marine mammalia of U.S.S.R. Far East (Resources and commercial use).

Results of the Scientific Expedition for the Study of the Far Eastern Marine Fauna, 1929-30, organized by the Central and the Far Eastern Institutes of Fisheries, under the leadership of S. V. Dorofeev and S. I. Freiman.

Contents tr.: Dorofeev, S. V., and S. K. Klumov. A description of the white whale migration in the Sakhalin Island region.

Dorofeev, S. V., and S. K. Klumov. The problem of the determination of the age and herd composition of white whales.

Nikol'skii, G. E. Contributions to the question on the reproduction of the white whale.

Dorofeev, S. V., and V. A. Arsen'ev. Reference data on white whale fisheries of the Far East.

Drukker, G. F., and S. I. Gakichko. The Pacific white whale as industrial raw material.

Gakichko, S. I., and Dorofeev, S. V. Directives for the processing of the white whale hides.

Denisov, I. A. The chemical composition of the white whale fats.

*FREIMAN, S. I. The distribution of pinnipeds in the Far Eastern seas.

*NAUMOV, S. P., and N. A. SMIRNOV. Contributions to the systematics and the geographic distribution of the seals in the northern part of the Pacific Ocean.

*FREIMAN, S. I. Contributions to the commercial biology of Far Eastern seals.

*FREIMAN, S. I. Description of commercial sealing in the northern part of Okhotsk Sea.

*LUN', S. S. Seals of western Kamchatka (Tigil'skii District).

Dorofeev, S. V. Contributions to the biology in the sealing industry of Tartar Straits during the spring ice period.

*DOROFEEV, S. V., and S. I. FREIMAN. The trend of development of the sealing industry in the Okhotsk Sea coastal zone.

*BARABASH-NIKIFOROV, I. I. Pinnipeds of Commander Islands.

Gakichko, S. I., and S. N. Surzhin. The pinnipeds of Tartar Straits and the Amur Estuary.

*These papers appear in the Bibliography under their respective authors' names; the other papers listed contribute in a more general way to the materials on white whales and seals and are not individually noticed in this Bibliography.

Copy seen: DLC.

4068. DOROFEEV, S. V., and S. I. FREIMAN. Napravlenie razvitiia promysla lastonogikh v pribrezhnoi zone Okhotskogo moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1935. T. 3, p. 220-22) *Title tr.:* The trend of development of the sealing industry in the Okhotsk Sea coastal zone.

A brief discussion of possibilities of organizing modern sealing exploitation on the coasts of the Okhotsk Sea.

Copy seen: DLC.

4069. DOROFEEV, V. N. Bolezni glaz sredi naseleniia Vilhüiskogo i Olekminskogo okrugov. Leningrad, 1930. 236 p., illus. fold. map, diagrs. (Akademiia nauk SSSR. Komissiiia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sots-

ialisticheskoi Respubliki. Materialy, 1930. Vyp. 13) *Title tr.*: The eye diseases of the population of Vilyuysk and Olekminsk Districts. [Yakut A.S.S.R.]

A study of the diseases, the physical characteristics, size and form of eyes among the Yakuts; based on observations made by the author while with the medical health party of the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925-1926. Bibliography, p. 234-36. *Copy seen:* DLC.

4070. DOROFEEV, V. N. Predvaritel'nyi otchet po obsledovaniyu naseleniia Vilyuiskogo i Olekminskogo okrugov v otnoshenii sostoianiia organa zreniia. (Akademiia nauk SSSR. Komissiiia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 10, p. 85-107) *Title tr.*: Preliminary report on investigations conducted in Vilyuysk and Olekminsk districts [of Yakut A.S.S.R.] to determine the health condition of the eyes of local population.

Preliminary report by the oculist of a medical group of the Yakut Expedition of the Academy of Sciences U.S.S.R. 1925-26. *Copy seen:* DLC.

DOROSCHIN, H., *see* Eichwald, E. v. Geognostisch-palaeontol. Bemerkungen. 1871.

DORR, JOHN VAN NOSTRAND, 1910- , *see* Reed, J. C., & J. V. Dorr. Nickel deposits of Bohemia Basin, Yakobi Island. 1942.

DORR, RHETA LOUISE (CHILDE), 1872- , *see* Knapp, F., & R. L. C. Dorr. Thlinkets of southeastern Alaska. 1896.

4071. DORSEY, HERBERT GROVE, 1912- , and others. Meteorology and climatology. (In: A program of desirable scientific investigations in arctic North America. Pub. as: Arctic Institute of North America. Bulletin, Mar. 1946, no. 1, p. 6-13)

Suggestions are made by H. G. Dorsey for an adequate network of arctic weather stations; by F. W. Reichelderfer for a thirty-one point research program; and by J. Patterson for a study of upper atmosphere ozone.

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DORSEY, HERBERT GROVE, 1912- , *see also* Wade, F. A., & H. G. Dor-

sey. Wartime investigation of Greenland icecap. 1946.

DOSTOVALOV, B. M., *see* Petrovskii, A. A., & B. M. Dostovalov. Pervye opyty prosvechivaniia. 1947.

DOSTOVALOV, B. M., *see* Petrovskii, A. A., & B. M. Dostovalov. Volnomernyi metod. 1947.

4072. DOSTOVALOV, B. N. Elektricheskie kharakteristiki merzlykh porod. (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1947. T. 5, p. 18-35; illus.) *Title tr.*: Electrical characteristics of frozen ground formations.

Contains discussion on the subject of electrical constants of various rock formations and their specific resistance; review of previous work done on specific resistance of frozen and thawed ground at the Tomsk Technological Institute and in the Amderma region by Krasheninnikov, by A. T. Akimov, and others; description of methods and instruments used and results obtained (charts and graphs); indication of two methods and instruments used to measure the dielectric constant by means of high frequency current. Bibliography (25 items). Summary in English.

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DOUGLAS, DAVID, 1798-1834, *see also* Hooker, Sir W. J. Flora boreali-americana. 1829-40.

4073. DOUGLAS, FREDERIC HUNTINGTON, 1897- , and RENÉ d'HARONCOURT. Indian art of the United States. New York, Museum of Modern Art, 1948. Second edition, with some change in illustrative and introductory matter, bibliography, of a work published in 1941 (in 219 p. also in 204 p.) 204 p. illus., plates (incl. 8 col.)

Based on an exhibition which was prepared by the Indian Arts and Crafts Board of the U. S. Dept. of the Interior. Includes discussion and illustration of carving, weaving, mask-making, etc., by Haida Indians and Alaskan Eskimos in their cultural context, particularly, p. 39-42, 145-80, in chapters, "Prehistoric art" and "Living traditions."

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4074. DOUGLAS, GEORGE MELLIS. Lands forlorn; a story of an expedition to Hearne's Coppermine River. New York, G. P. Putnam's Sons, 1914. xv, 285 p. col. front. (port.) illus., 2 fold. maps.

Narrative of an expedition by Dr. August Sandberg, L. D. Douglas and G. M. Douglas, in 1911-12, via Athabasca and Mackenzie Rivers, thence (by canoe) to Great Bear Lake, Dease River, Dismal Lakes and Kendall River to Coppermine River; an account of the wintering at Great Bear Lake, and a second journey down the Coppermine to its mouth; descriptions of the routes (with map), natural history, Indians and Eskimos; the hunting and geological observations and prospecting especially in the Copper Mountains.

Appendices: A. Geognostical observations by John Richardson, from Franklin's Narrative of a journey to the shores of the Polar Sea, 1819-22. B. Sandberg, August. Report on a reconnaissance along the lower Coppermine River. (Topography, geology, limestone, coppermine series, dykes, glacial deposit and glaciation, and copper occurrences) with a geological map of the area (scale 1:250,000).

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4075. DOUGLAS, GEORGE MELLIS. A summer journey along the southeast shore of Great Slave Lake. (Canadian mining and metallurgical bulletin, Feb. 1929. v. 22, no. 202, p. 344-60, illus.)

Remarks on previous geographical exploration and mapping of the southeast shore of Great Slave Lake, and the author's trip there in 1928 with Carl Lausen; description of equipment, rations, and (in some detail) the two canoes (with outboard motor) which they used, with brief comment on economic conditions of the Great Slave Lake basin. The geology of the region which Lausen and Douglas explored is described in C. Lausen's *A geological reconnaissance of the east end of Great Slave Lake*, 1929, q.v.

Copy seen: DGS.

4076. DOUGLAS, GEORGE VIBERT, 1892- . The structure of Ungava. (Royal Society of Canada. Transactions, June 1949. Ser. 3, v. 43, sect. 4, p. 53-55, sketch map)

Note on the Labrador syncline, based on field observations during flight, ground investigations, and a study of maps and photographs.

Copy seen: DGS.

4077. DOUGLAS, JAMES, 1837-1918. The copper bearing traps of the Coppermine River. (Canadian Institute of

Mining and Metallurgy. Transactions, 1913. v. 16, p. 83-101, fold. map)

Contains notes on the itinerary of the G. M. Douglas Expedition, quoted from the notes of Dr. August Sandberg, describing the topography, geology and copper deposits along the river.

Copy seen: DGS.

4078. DOUGLAS, JOHN SCOTT. Storm without warning. (Alaska sportsman, Oct. 1942. v. 8, no. 10, p. 16-18, 20-22, illus.)

Detailed account of rescue efforts made on behalf of the *Princess Sophia*, wrecked in Lynn Canal, Oct. 1918.

Copy seen: DLC.

4079. DOUGLAS, MARY, 1857- . The frozen North; the story of north polar expeditions with Nordenskiöld, Nares, Greely, DeLong, Nansen and Jackson-Harmsworth. Boston, DeWolfe, Fiske & Co. [n.d.] 176 p. illus. (incl. 2 maps) 4 plates. (The favorite library.)

Copy seen: NNSf.

DOUGLAS, ROBERT, 1881- , see Jérémie, N. Twenty years of York Factory, 1694-1714. 1926.

4080. DOUGLAS, ROBERT DICK, 1912- . A boy scout in the grizzly country. New York, London, G. P. Putnam's Sons, 1929. vi, 181 p. incl. illus., ports. front.

Story of hunting bear on Kodiak Island, Alaska.

Copy seen: DLC; NNSf.

4081. DOUGLAS, ROBERT DICK, 1912- . In the land of the Thunder Mountains; adventures with Father Hubbard among the volcanoes of Alaska. New York, Brewer, Warren & Putnam, 1932. v, 160 p. 15 plates, ports, map.

The story of an American boy scout climbing Aniachak Crater on Alaska Peninsula.

Copy seen: DLC; NNSf.

4082. DOUGLAS, WILLIAM FRIEDRICH, 1891- . Das Fischereiwesen Russlands. Stuttgart, Schweizerbart, 1930. xi, 206 p. 5 sketch maps. (Archiv für Hydrobiologie. Supplement-Bd. 10, Heft 1) *Title tr.:* Russian fishery industries. Doctoral dissertation, Technische Hochschule Hannover.

An economic study of these industries throughout the U.S.S.R., especially in the Russian Republic, with sections on production, trade balance, home con-

sumption and political-economic aspects. Includes notes on history and production (as of 1928) of fisheries in the Murman, White Sea, Yenisey, Yakut, and Kamchatka regions, and a bibliography (312 items). *Copy seen:* DLC.

4083. DOUTT, J. KENNETH, 1905- . The expedition to Hudson Bay. (Carnegie magazine, Jan. 1939. v. 12, p. 227-36, illus. sketch maps)

Narrative of a trip in Jan.-Aug. 1938, to investigate the occurrence of (fresh-water) seals in Lower Seal Lake (northwest of Clearwater Lake), northern Quebec, sponsored by the Carnegie Museum, Pittsburgh, the author (mammalogist) and A. C. Twomey (ornithologist) participating. Description of the equipment and the journey from Moose Factory on James Bay, to Richmond Gulf on the east coast of Hudson Bay, thence inland to Seal Lake; the capture of seal specimens, the return trip to Belcher Islands with remarks on flora and fauna, Eskimos and Indians of the region. *Copy seen:* DLC.

4084. DOUTT, J. KENNETH, 1905- . A review of the genus *Phoca*. (Pittsburgh. Carnegie Institute, Museum. Annals, 1942. v. 29, p. 61-125, illus., 14 plates, incl. 2 maps, 1 fold.)

Based on the Carnegie Museum Expedition to Hudson Bay 1938. Description of geography, geology, life zones, previous exploration and biology of the seals of Seal Lake region, northern Quebec (about 56°-57°N. 73°30'-76°W.); discussion of the new race of *Phoca vitulina* from Seal Lake, description and keys for identification of the four northern species of *Phoca*; discussion of methods of age determination, and a list of recognized races of *Phoca vitulina*; with a bibliography (38 items). *Maps* include reconnaissance survey map from Little Seal Lake to Clearwater River.

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4085. DOUTT, J. KENNETH, 1905- . Toxicity of polar bear liver. (Journal of mammalogy, Aug. 1940. v. 21, p. 356-57)

Account of a personal experience of food poisoning, with description of symptoms and suggested treatment.

Copy seen: DSI-M.

DOUTT, J. KENNETH, 1905- , *see also* Bailey, V., & J. K. Douth. Two new beavers Labrador. 1942.

4086. DOUVILLÉ, ROBERT, 1881-1914. Sols polygonaux ou réticulés. (Géographie, 1916. Année 31, p. 241-51, illus.) *Title tr.:* Soil polygons and nets.

Discussion of the occurrence, distribution, and mode of formation of these solifluction phenomena, illustrated from Spitsbergen types. *Copy seen:* DLC.

4087. DOVNAR-ZAPOL'SKII, and ZUBAKIN. Kustarnye promysla u malykh narodov Severa. (Sovetskii Sever, 1934, no. 4, p. 24-32, illus.) *Title tr.:* Domestic handicrafts among the aborigines of the North.

Description of primitive art, ornaments, embroidery, carving, etc., by natives of the Soviet North. Bibliography (about 40 items).

Copy seen: DLC.

4088. DOW, PETER. Alaska, America's northern wonderland. [Hot Springs, Ark. 1927] 3 p. l., 128 p. 58 plates.

"Articles, speeches, lectures, poems, prospecting trips, stories and anecdotes" by an explorer and gold miner who spent twenty-eight winters in Alaska. *Copy seen:* DLC; NNSf.

4089. DOWLING, DONALDSON BOGART, 1858-1925. Coal fields and coal resources of Canada. Ottawa, Government Printing Bureau, 1915. 1 p. l., viii, 174 p. illus., fold. maps, diagr. (Canada. Geological Survey. Memoir 59; Geological series no. 55)

Contents include chapters on Yukon Territory, Northwest Territories and the Canadian Arctic Islands, with a brief note on the James Bay region of Ontario. *Map* 125A includes the coal areas of these regions.

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4090. DOWLING, DONALDSON BOGART, 1858-1925. Geological structure of the Mackenzie River region. (Canada. Geological Survey. Summary report, 1921, pub. 1922. Pt. B, p. 79-90, 2 plates)

Contains a discussion of the relation of geologic structure to oil-bearing possibilities. *Copy seen:* DLC.

4091. DOWLING, DONALDSON BOGART, 1858-1925. Narrative of a journey in 1890, from Great Slave Lake to Beechy Lake, on Great Fish River. (Canadian field naturalist, Sept. 1893. v. 7, p. 85-92, 101-14)

Extracts from the diary of James McKinley, who accompanied Warburton

Pike in 1890. They describe the trip by canoe and on foot, with notes on animals, birds and on meteorology, of the Barren Grounds east and north of Great Slave Lake.

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4092. DOWLING, DONALDSON BOGART, 1858-1925. Report on an exploration of Ekwan River, Sutton Mill Lakes and part of the west coast of James Bay. Ottawa, King's Printer, 1904. 60 p. illus., 2 plates. (Canada. Geological Survey. Annual report, 1901. n.s., v. 14, pt. F)

The itinerary of Dowling's trip is described in his *The west side of Hudson Bay*, 1902, q.v. This report contains the following chapters: Remarks on the general features of the area. Historical summary. Ekwan River. Washagami River. Sutton Mill Lakes. Coast of James Bay from Ekwan River northward. Geology. *Appendices:* 1. Whiteaves, J. F. Preliminary list of fossils from the (upper) Silurian rocks of the Ekwan River, and Sutton Mill Lakes. 2. Macoun, John. List of plants collected at mouth of the Ekwan and Albany Rivers, 1891.

Map has been incorporated in the map of northwestern Ontario and eastern Keewatin, No. 814, which accompanies Wilson, W. J. *Reconnaissance surveys of four rivers south-west of James Bay*, 1903, q.v.

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4093. DOWLING, DONALDSON BOGART, 1858-1925. The west side of James Bay. (Canada. Geological Survey. Summary report, 1901, *pub.* 1902. p. 107-115, fold. map)

Narrative of a geological reconnaissance of Ekwan River and Sutton Mill Lakes and a track-survey of the west coast of James Bay south of Cape Henrietta Maria, a full report of which was published as the author's *Report on an exploration of Ekwan River*, 1904, q.v. In this paper Dowling gives notes on the coast, including the mouths of Moose and Albany Rivers, the timber, and the tides, and a brief summary of the geologic material on the inland areas, treated in full in the report mentioned above.

Copy seen: DLC.

DOWLING, DONALDSON BOGART, 1858-1925, *see also* Ontario. Dept. of Mines. Reports on District of Patricia. 1912.

4094. DOWNES, PRENTICE GILBERT, 1909- Sleeping Island; the story of one man's travels in the great barren lands of the Canadian North. New York, Coward-McCann, Inc. [1943] vii, 296 p. illus. (sketch maps), 24 plates, incl. ports., map on lining-papers.

Account of a school teacher's summer trip (about 1940) from The Pas by Reindeer Lake to Nueltin "the lake of the sleeping island" (about 60°-61°N. 99°-100° W.), and return by Churchill, with anecdotes of the trail, the people of the Barren Lands, and references throughout to observations of earlier explorers on the regions traversed.

Copy seen: DLC; NNStef.

4095. DOZOIS, L. O. R. Report on areas of the Northwest Territories, (District of Keewatin) visited in 1943, in connection with program of astronomical observations for map control required for preparation of air navigation charts. 1943. 13 l. typescript with photographic illus.

"Narrative of an aerial trip over Keewatin," July 5-Sept. 9, 1943, during which time nine points were occupied. Includes notes on the Eskimos, game and weather.

Copy seen: CaOG (photo. illus. lacking).

DRACH, PIERRE, *see* Charcot, J. B. A. E., & others. Rapport preliminaire. *Pourquoi-Pas?* 1932. 1933.

4096. DRAKE, FRANKLIN JEREMIAH, 1846- Report upon the investigations of the U. S. Fish Commission steamer Albatross for the year ending June 30, 1895. (Abstract). (U. S. Fish and Wildlife Service. Report of the U. S. Commissioner of Fish and Fisheries, 1895, *pub.* 1896. p. 125-68, incl. tables)

Contains an account of the patrolling near the Pribilof Islands, and in other parts of Bering Sea and the Aleutian waters, July 1894-June 1895, and the following appendices:

Alexander, A. B. Notes on fishery investigations. (Codfish in Bering Sea and Aleutian waters, and methods of seining salmon used by the Aleuts).

Tables: Record of soundings. (Depth, character of bottom, air, sea-surface and bottom temperatures, July 1-22, Aug. 3-7, 1894; June 13-30, 1895). Record of fishing trials. (Aleutian

waters). Meteorological and cruising record, July 1-Oct. 18, 1894; May 18-June 30, 1895. (Daily maximum and minimum barometer, air and sea surface temperature, weather, direction and force of wind, rainfall, state of sea (descriptive) and resultant currents). Record of fur-seals seen at sea.

Copy seen: DF.

DRAKE, J. F., *see* Polunin, N. V. Arctic unfolding, Canadian airborne exped. (1946). 1949.

4097. DRAKE, MARIE. Alaskan. Juneau, Daily Alaska Empire Print, 1938. 48 p. illus. (incl. map)

Our last frontier, glimpses of its colorful yesterdays and highlights of today.—Subtitle. Information for tourists on the towns of Alaska and some general information.

Copy seen: DLC; NNStef.

4098. DRASCHE von WARTINBERG, RICHARD, *Freiherr*, 1850-. Geologische Beobachtungen auf einer Reise nach den Westküsten Spitzbergens im Sommer 1873. (Austria. Geologische Bundesanstalt. Verhandlungen, 1873. p. 260-63) *Title tr.*: Geological observations made during a visit on the west coast of Spitzbergen in the summer, 1873.

Account of the trip, which made stops at Bell Sound in the Ice Fjord region, and on the northwest part of West Spitzbergen, with brief remarks on the geologic formations of the various regions.

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4099. DRASCHE von WARTINBERG, RICHARD, *Freiherr*, 1850-. Petrographisch-geologische Beobachtungen an der Westküste Spitzbergens. (Mineralogische und petrographische Mittheilungen, 1874. p. 181-98, 261-68, illus.)

Petrographic and geological observations made by the author in 1873 on the west coast of West Spitzbergen, from Bell Sound to Amsterdam Island (79° 45'N.), including descriptions of the gneiss, granite, and diabase rocks and crystalline slates, the coal and the Jurassic, Cretaceous and Tertiary formations.

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4100. DRASCHE von WARTINBERG, RICHARD, *Freiherr*, 1850-. Tunicaten von Jan Mayen. (*In*: International Polar Year. 1st, 1882-1883, Österreichische Polar-expedition nach Jan Mayen.

Beobachtungs-Ergebnisse, 1886. Bd. 3, Theil 6, I p. 101-104, plate) *Title tr.*: Tunicates from Jan Mayen.

List of five tunicates collected by Ferdinand Fischer off Jan Mayen, with detailed description of two new species and of one species not previously precisely enough characterized.

Copy seen: DLC.

DRASCHE von WARTINBERG, RICHARD, *Freiherr*, 1850-. *see also* Toula, F. Permo-Carbon-Fossilien Spitzbergens. 1875.

4101. DRASTRUP, ELMAR. Blandt danske og norske fangstmaend i Nordøst-grønland. København, Gyldendal, 1932. 132 p. front., plates, fold. map. *Title tr.*: Among Danish and Norwegian hunters in Northeast Greenland. Translated into German as *Grönlandjäger*, 1933.

Describes life at the Danish hunting station Sandodden at Young's Inlet, owned by the Nanok Company; other depots to the north and south; hunting of polar bear; walrus, blue and silver fox, arctic hare, etc.; voices criticism of Norwegian hunting methods; describes motorboating in drift ice; also trips to Gael Hamke Bay, Hochstetter Foreland, Clavering Island, Hold with Hope, Dödmandsbugt, Zackenberg, Eskimonaes, etc.

Copy seen: DLC.

4102. DRASTRUP, ELMAR. Contributions to the geography of Ingolfs Fjord and the interior of Kronprins Christians Land. København, C. A. Reitzel, 1945. 28 p. illus. (incl. 2 sketch maps) (Meddelelser om Grønland. Bd. 142, nr. 1)

Results of the Danish Dogsledge Expedition 1938-39, under the author's leadership. Report on observations and surveys in Ingolfs Fjord; the finding and mapping of a route from the east coast behind the fiord complex north of Lambert Land to Peary Land; and a bibliography (10 items, 5 maps).

Copy seen: DGS.

4103. DRASTRUP, ELMAR. Fordi de udfører saa store bedrifter. København, Gyldendal, 1935. 123 p. plates. *Title tr.*: Because they perform such great deeds.

In praise of the Greenland Eskimo sledge dogs, based on the author's observations of them during his hunting expedition in East Greenland, 1931-32.

Copy seen: DLC.

4104. DRASTRUP, ELMAR. Grönland-jäger. Berlin, Verlag Scherl, [1933?] 161 p. plates, fold. map. *Title tr.*: Greenland hunters.

Translation of the author's *Bland danske og norske fangstmaend i Nordøstgrønland*, 1932. *Copy seen*: NN.

4105. DREIFUŠSCHAŨ ĖKSPEDI-TŠIA GLAYSEVMORPUTI NA LEDO-KOL'NOM PAROKHODE "G. SEDOV", 1937-1940. Trudy. Pod redaktsiei V. KH. Buinitskogo. Moskva-Leningrad, 1946. T. 3: 402 p. (& errata slip), illus., plates, maps, tables, diagrs. *Heading and title tr.*: Drifting Expedition of the Main Administration of the Northern Sea Route, on the ice-breaker *G. Sedov*, 1937-1940. Transactions, under the editorship of V. KH. Buinitski.

Vol. 3 (v. 1-2 not located) of the results of scientific work done during the drift of the *Sedov* in ice, from just west of the New Siberian Islands (75°17'N. 132°28'E.) westward (parallel to, but farther north than the drift of the *Fram*, 1893-96) nearly to the East Greenland coast (80°18'N. 1°30'E.), Oct. 1937-Jan. 1940.

Contents tr.: Vol. 3 Biology.

BUINITSKII, V. KH. Journal of the observations of mammalia and birds.

CHAPSKII, K. K. Mammals of the high latitudes of the Arctic Ocean.

PORTENKO, L. A. Birds of the high latitudes of the Arctic Ocean.

GORBUNOV, G. P. Bottom life of the Novosiberian shoal waters in the central part of the Arctic Ocean.

SHCHEDRINA, Z. G. New species of Foraminifera from the Arctic Ocean.

KLIUGE, G. A. Kamptozoa from the Arctic Ocean.

FILIP'EV, I. N. Free nematodes from the Arctic Ocean.

ANNENKOVA, N. P. New species of Polychaeta from the Arctic Ocean.

PERGAMENT, T. S. New genus and little known species of *Sipunculida* from the Arctic Ocean.

KLIUGE, G. A. New and little-known species of Bryozoa from the Arctic Ocean.

AKATOVA, N. A. Ostracoda from the Novosiberian shelf waters.

SMIRNOV, S. S. New species of Copepoda-Harpacticoida from the Arctic Ocean.

TŠIMMER, K. Cumacea from the Arctic Ocean.

GUR'ANOVA, E. F. New species of Isopoda and Amphipoda from the Arctic Ocean.

RETOVSKII, L. O. New species of Crustacea-Decapoda from the Arctic Ocean.

SOKOLOV, I. I. New species of Halacaridae from the Arctic Ocean.

GORBUNOV, G. P. New and interesting species of Mollusca and Brachiopoda from the Arctic Ocean.

VOLODCHENKO, N. I. New species of Nudibranchiata from the Arctic Ocean.

D'IAKONOV, A. M. New and interesting species of Echinodermata from the Arctic Ocean.

REDIKORTSEV, V. V. New genus and species of Ascidia from the Arctic Ocean.

BOGOROV, V. G. Zooplankton collected by the *Sedov Expedition*, 1937-1939.

USACHEV, P. I. Phytoplankton collected by the *Sedov Expedition*, 1937-1939.

Each paper appears in this Bibliography under its author's name. Summaries in English.

Copy seen: DLC.

4106. DREJER, SALOMON THOMAS NIKOLAI, 1813-1942. Et par bemaerkninger ved synonymien i min *Revisio critica Caricum borealium*. (Botaniska notiser, 1842, no. 2, p. 27-31) *Title tr.*: A few remarks and synonymy to my *Revisio critica Caricum borealium*.

Contains a taxonomic study of four northern species of sedges (*Carex*) including *C. hymenocarpa* mh. native to Lapland; supplemental apparently to an earlier work by this author.

Copy seen: MH-A.

DREMLÜG, V. V., see Laktionov, A. F., & V. V. Dremlüg. Analiz skorosti dvizheniia sudov. 1944.

DRESCHER, F. K., see DRESCHER-KADEN, FRIEDRICH KARL, 1894-.

4107. DRESCHER-KADEN, FRIEDRICH KARL, 1894-. Zur Kenntnis des Peridotits von Kaersut (Grönland) und seines Ganggefülges. (Mineralogische und petrographische Mitteilungen, 1932. Neue Folge, Bd. 43, p. 207-270, 3 plates) *Title tr.*: Concerning peridotite from Kaersut, Greenland, and its dike rocks.

A mineralogic, petrographic description, with results of chemical analyses, of peridotite rock and its component minerals, from the Umanak region of West Greenland. **Copy seen:** DGS.

4108. DRESCHER-KADEN, FRIEDRICH KARL, 1894-, and **H. K. E. KRUEGER.** Der Peridotit von Kaersut (Grönland) und sein Ganggefolge als Beispiel einer Sekretionsdifferentiation. (Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, 1928. Beilage, Bd. 57, Abt. A. p. 569-616, 2 plates) **Title tr.:** Kaersut peridotite and its associated sills, as an example of differentiation by secretion.

Results of the Hessian Greenland Expedition, 1925. An account of the petrology and mineralogy (with chemical analyses) of the formation on the Nugssuaq Peninsula, and discussion of its mode of occurrence.

Copy seen: DGS.

4109. DRESEL, HERMAN GEORGE, d. 1898. Notes on some Greenland fishes. (U. S. National Museum. Proceedings, 1884, pub. 1885. v. 7, p. 244-58)

List of fifteen species with synonymy and notes on specimens taken in Davis Strait by the author accompanying the Greely relief steamship *Yantic* in 1883, and by N. P. Scudder, 1879.

Copy seen: DLC.

4110. DRESSELHUYTS, H. H. De Nederlandsche expeditie in 1920 tot het onderzoek naar de Mogelijkheid der exploitatie van steenkolenvelden op Spitsbergen. (Ingenieur, Sept. 3, 1921. Jaarg. 36, p. 684-96, illus., sketch map) **Title tr.:** The Netherlands Expedition, 1920, to investigate the exploitation of Spitsbergen coal-fields.

Contains a brief history of West Spitsbergen, a geological sketch of the coal deposits, a description of the Dutch coal mines of the Green Harbor region, and discussion of production and transportation problems.

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4111. DRESSER, HENRY EELES, 1838-1915. On some new and unfigured Palaearctic birds' eggs. (Ibis, July 1901. Ser. 8, v. 1, p. 445-49, plate)

Includes four species of thrushes from the Yenisey River region.

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4112. DRESSER, HENRY EELES, 1838-1915. On the Russian Arctic Ex-

pedition of 1900-1903. (Ibis, July-Oct. 1908. Ser. 9, v. 2, p. 510-17, 593-99) An abbreviated summary in English of A. A. Birulia, *Ocherki iz "zhizni ptits" pol'arnago proberezh'ia Sibiri*, 1907.

Annotated list of forty species of birds from the Taymyr coasts and the New Siberian Islands.

Copy seen: DSI-M.

DRESSER, JOHN ALEXANDER, 1866-, see Quebec (Province). Bureau of Mines. Géologie de Québec. 1941.

4113. DREVER, H. I. Two British expeditions to Ukekndt Island, West Greenland. (Nature, Dec. 30, 1939. v. 144, p. 1073-74, 1083, 2 sketch maps)

Brief survey of the work, especially in geology, of the Cambridge West Greenland Expedition, 1938, and the St. Andrews University West Greenland Expedition, 1939, on the island lying between Nugssuaq and Svartenhuk Peninsulas at 71°10'N.

Copy seen: DLC.

4114. DREVER, H. I., and D. F. LIVINGSTONE. Some basaltic rocks from West Greenland. (Royal Society of Edinburgh. Proceedings, 1948. Sect. B., v. 63, p. 97-114, illus., plate, sketch map)

Based on collections made by the author during the Wordie Arctic Expedition to North-West Greenland and the Canadian Arctic in 1937, from Nugssuaq Peninsula and Disko Island. Field notes on the dyke-swarm and volcanic center on southeast Nugssuaq and on the lavas of Nugssuaq and Disko (Godhavn); description of the basalts and results of their chemical analyses; a discussion of their petrogenetic relationships; and a bibliography (36 items).

Copy seen: DGS.

4115. DREVER, H. I., and D. M. CARMICHAEL. The Cambridge Expedition to West Greenland, 1938. (Geographical journal, Nov. 1939. v. 94, p. 388-401, illus. (sketch map) 4 plates)

Account of an expedition organized by D. M. Carmichael, at the suggestion of H. I. Drever, to carry out a petrological survey of Ukekndt Island (the base), to study the psychology of culture contacts among Umanak natives, and to continue the botanical and high altitude balloon work begun by the Wordie Expedition in 1937. Authors give a physiographic sketch of Ube-

kendt Island, remarks on the native population, an outline of the geologic, botanical, and ethnologic work in the region and a description of the Umanak and Igdlorssuit settlements.

Appendix: CARMICHAEL, D. M. Psychology and ethnology.

This paper appears in this Bibliography under the author's name.

Copy seen: DLC.

4116. DREVÈR, H. I., and P. M. GAME. The geology of Ubekendt Ejland, West Greenland. Part 1. A preliminary review. København, 1948. 34, [1] p. illus., 8 plates (Meddelelser om Grønland. Bd. 134, nr. 8)

Results of the Cambridge West Greenland Expedition, 1938, and the St. Andrews University West Greenland Expedition, 1939.

The two expeditions' main object was to examine its massive and banded gabbro of Ubekendt Island (71°2'-19'N. 53°20'-54°W. between the Svartenhuk and Nugssuaq Peninsulas), to collect specimens, and to obtain evidence sufficient to establish the petrogenesis of important rock types, and to map geologically as much of the island as possible. The geological survey is not yet finished. The authors give a description of the island's situation and topography, the distribution of rocks and the geologic structure, the lavas, flow-breccias, tuffs, and dyke-swarm, major and minor intrusions, time sequence, and volcanic history; bibliography (17 items).

Appendix: George, F. Note on the survey at Sarqa. (Geodetic survey of small area on south side of the island).

Copy seen: DGS.

4117. DREW, WILLIAM BROOKS, 1908-. Botanical work of the expedition. (*In:* Boyd, L. A. Fiord region of East Greenland, 1935, p. 288-99)

Lists of thirty-one plants from Jan Mayen and eighty-one (with some discussion) from East Greenland, collected by the author and other members of the Louise A. Boyd Expedition to East Greenland, 1933.

Appendix contains lists of plants from the same areas collected by the Louise A. Boyd Expedition, 1931.

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4118. DREW, WILLIAM BROOKS, 1908-. A new *Arenaria* from Alaska. (*Rhodora*, June 1935. v. 37, p. 225-26)

Description of *A. crilloniana* (flowering plant) collected on Mt. Crillon, 1933.

Copy seen: DA.

4119. DREWANCE, GEORGE. The *Bear* went to the rescue. (Alaska sportsman, Nov. 1941. v. 7, no. 11, p. 16-18, 20-24, illus.)

Story of the whalers icebound in Beaufort Sea over the winter 1897-98, the overland relief operations (driving reindeer from Seward to Pt. Barrow for food) and the search at sea for missing ships by the U. S. Revenue cutter *Bear*, with notes on whaling in the Arctic and regular duties of the *Bear*.

Copy seen: DLC.

4120. DREYER, C., and V. GOLD-SCHMIDT. Ueber Albit von Grønland. (Meddelelser om Grønland, 1907, pub. 1910. 34. hefte, p. 1-60 incl. tables, diagrs., 5 plates)

Published also in Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, 1910, Beilage-Bd. 29, p. 537-92, with the addition of a brief note on the geology of the localities, by O. B. Böggild. *Title tr.:* On Greenland albite.

Results of a crystallographic study of mineral specimens collected by five of the Danish scientific expeditions to Greenland, 1890-1906.

Copy seen: DLC.

4121. DRIGGS, JOHN BEACH, 1854-. Short sketches from oldest America. Philadelphia, G. W. Jacobs & Co. [c1905] 163 p. front., 4 plates.

Sketches and legends of the Eskimos on the arctic coast of Alaska, by a doctor among the natives of the Pt. Hope region.

Copy seen: DLC; NNStef.

4122. DRIGO, F. I. Stroitel'stvo ledokol'nogo flota. (Sovetskaiia Arktika, 1935, no. 2, p. 8-10, tables) *Title tr.:* Construction of the ice-breaker fleet.

Contains a list of Russian ice-breakers in operation and description of new types under construction in 1935.

Copy seen: DLC.

4123. DRISCOLL, JOSEPH, 1902-. War discovers Alaska. Philadelphia, New York [etc.] J. B. Lippincott Co., 1943. 351, [1] p. front, 12 plates, maps on lining-papers.

Journalist's account of people and activities, aviation and construction in Alaska during World War II.

Copy seen: DLC; NNStef.

DROBINTSEVA, A. V., see Arkhangel'skaja, N. A., & others. K fiziologii khodovogo staza. 1943.

4124. DROBOV, V. P. Kratkii ocherk rastitel'nosti severnoi chasti Lensko-Aldanskogo plato. (Akademiia nauk SSSR. Komissiiia po izucheniiu Fakut'skoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1927. Vyp. 8, p. 1-60, illus., fold. map) **Title tr.:** A short sketch of the vegetation of the northern part of Lena-Aldan Plateau.

Results of observations along the route of the Botanical party of the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925, with supplement giving the daily marches, in the region roughly between 62°-63°30'N. 130°-135°30'E., indicated on a map at the end of volume. Description of the physical features, soils, and plant associations of seven different regions. Summary in English.

Copy seen: DLC.

4125. DROBOV, VASILII PETROVICH, 1885- . *Agropyron strigosum* (MB) Boiss., ego sistematika i rasprostranenie v Sibiri. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1914. Vyp. 12, p. 40-61, illus., plate 1) **Title tr.:** *Agropyron strigosum* (MB) Boiss., its systematics and distribution in Siberia.

Contains a systematic revision of *Agropyron strigosum* with a key to the species, synonymy, description of three new species and some varieties, established by the author, and detailed data on distribution of these grasses; includes *A. strigosum* and *A. aegiloides*, native to Omskaya Oblast', Krasnoyarskiy Kray and Yakutia, and *A. turczaninowii* n. sp. from Kamchatka Peninsula.

Copy seen: MH-A.

4126. DROBOV, VASILII PETROVICH, 1885- . K sistemati ke roda *Bolboschoenus* Palla (*Scirpus* L. ex parte) i ego rasprostranenie v Sibiri. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1913. Vyp. 11, p. 86-96, illus.)

Contains a revision of Siberian species of this genus of sedges with synonymy, keys, critical notes and detailed data on distribution; includes *B. compactus* native to Yakutsk region and Kamchatka Peninsula.

Copy seen: MH-A.

4127. DROBOV, VASILII PETROVICH, 1885- . K sistemati ke sibirskikh vidov *Bromus* L. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1914. Vyp. 12, p. 216-45, illus., plates 17-20) **Title tr.:** On systematics of Siberian species of *Bromus* L.

Contains a systematic revision of four Siberian species of *Bromus* a large genus of grasses, with keys to the species and varieties, critical notes, description of some new forms and detailed data on distribution; includes some forms occurring in Yakutia and Krasnoyarskiy Kray and *Bromus ornans* from Kamchatka.

Copy seen: MH-A.

4128. DROBOV, VASILII PETROVICH, 1885- . Materialy k sistemati ke sibirskikh predstavitelei roda *Agropyron* Gaertn. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1916. Vyp. 16, p. 33-97, plate 9) **Title tr.:** Materials for the systematics of the Siberian representatives of the genus *Agropyron* Gaertn.

Contains Latin and Russian diagnoses of five new species of this genus of grasses, with synonymy, critical notes and data on distribution; includes some species spreading to Vilyuy district of the Yakut A.S.S.R. and *Agropyron jacutense* n. sp. found in the valley of lower Lena River.

Copy seen: MH-A.

4129. DROBOV, VASILII PETROVICH, 1885- . Novyiia rasteniia dlia flory siivero-vostochnoi Sibiri. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1914. Vyp. 12, p. 105-110, illus.) **Title tr.:** Plants new to the flora of northeastern Siberia.

Contains Latin and Russian diagnoses of *Brachypodium villosum*, *Carex pediformis brevis* and *Artemisia jacutica* n. spp., native to the Yakut A.S.S.R.

Copy seen: MH-A.

4130. DROBOV, VASILII PETROVICH, 1885- . Predstavitelii sektsii *Oviniae* Fr. roda *Festuca* v iakutskoi oblasti. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1915. Vyp. 14, p. 147-71, illus., plates 5-6) **Title tr.:** Representatives of the section *Oviniae* Fr. of the genus *Festuca* in Yakutia.

Contains a systematic study of eight species of the genus *Festuca* in Yakutia with synonymy, critical notes, de-

scription of six new forms of these grasses and detailed data on distribution; includes some arctic species.

Copy seen: MH-A.

DROESSLER, E. G., *see* Ahlmann, H. W., & E. G. Droessler. Glacier ice crystal measurements. 1949.

4131. DROGAITSEV, D. A. Sinoptika na sluzhbe navigatsii. (*In:* Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervyi, 1941, p. 38-51) *Title tr.:* Synoptic work at the service of navigation.

How weather service worked in 1939 on the Northern Sea Route.

Copy seen: NNSStef.

4132. DRUKKER, G. F. Rybnyi promysel Bol'shezemel'skoi tundry. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1927. Vyp. 38, p. 5-21, map) *Title tr.:* Fishing in Bol'shezemel'skaya Tundra.

Observations on fisheries and fishes in the numerous lakes and rivers of Bol'shezemel'skaya Tundra, made by the author in 1921 for the Northern Scientific and Economic Expedition, 1920-1926; lists also fish caught in Yugorskiy Shar and Vaygach Island. Summary in German. *Copy seen:* DLC.

4133. DRUKKER, G. F. Vesennii tralovyi promysel kambaly na Kil'dino-Teriberskoi banke. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1925. Vyp. 23: Tralovye raboty Severnoi nauchno-promyslovoi ekspeditsii v Severnom Ledovitom okeane v 1920-21 gg., p. 48-55, map, diagr.) *Title tr.:* Spring trawling of plaice of the Kil'din-Teribersk bank.

Account of the trawler *Delfin's* trip in 1921, to check previous observations on the amounts and kinds of fish caught, and to make observations of plaice spawning for the Northern Scientific and Economical Expedition, 1920-1926. Summary in English, p. 71-72.

Copy seen: DLC; NN.

DRUMMOND, THOMAS, d. 1835, *see* Hooker, Sir W. J. Flora boreali-americana. 1829-40.

4134. DRURI, I. V. Itogi pervogo goda rabot po selektsii olenia. (Leningrad. Nauchno-issledovatel'skii institut pol'iarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy.

Ser. Olenevodstvo, 1939. Vyp. 5, p. 49-100, tables) *Title tr.:* The first year's work in selection of reindeer.

Study of selective breeding made in 1936 by the scientific workers on the Murmansk Experimental Reindeer Farm, Naryan-Mar, and the Yamal Experimental Reindeer stations. Summary in English. *Copy seen:* DLC.

4135. DRURI, I. V. Nekotorye dannye ob oleniakh severo-vostoka IASSR, po materialam E. V. Shmita. (Sovetskoe olenevodstvo, 1934. Vyp. 4, p. 45-60, tables) *Title tr.:* Some facts on the reindeer of northeastern Yakutia, according to the materials of E. V. Shmit.

"For improving the tundra race, cross-breeding may be recommended." Summary in English.

Copy seen: CaOA; DF.

4136. DRURI, I. V. Opredelenie zhivogo vesa oleni-teliat po promeram tela. (Sovetskoe olenevodstvo, 1934. Vyp. 4, p. 73-84, tables) *Title tr.:* The determination of the live weight of reindeer fawns by the body measurements.

Discussion of methods of calculation of weight on the hoof for butchering purposes; correlation of the two variables worked out on the basis of fifty-one fawns, and presented in tabular form. Summary in English.

Copy seen: CaOA; DF.

4137. DRURI, I. V. Pastbishchnoe khoziaistvo i vypas oleni u chukoch Anadyrskogo raiona. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 62, p. 105-124, illus.) *Title tr.:* Reindeer pasture in the Chukchi Anadyr District.

Data on herding methods, based on observations, made in 1929-31, with suggestions of changes in organization in accordance to new economic conditions, migration routes, grazing conditions, etc. Summary in English.

Copy seen: DLC.

4138. DRURI, I. V. Rekonstruktsiia olen'ego transporta. (Sovetskaiia Arktika, 1936, no. 4, p. 89-93) *Title tr.:* The reconstruction of reindeer transportation.

Need for improvement of reindeer transport, according to scientific data and the best experience of the reindeer-breeding natives of the North.

Copy seen: DLC.

4139. DRURI, I. V., and I. M. CHUPROV. Razvitie tel'hat v olenevodcheskikh molochno-tovarnykh fermakh Tofalarii. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1940. Vyp. 14, p. 37-46, tables) *Title tr.*: The development of fawns on reindeer dairy farms of Tofalariya.

Report from a southerly region in Irkutsk province. *Copy seen:* DLC.

4140. DRURI, I. V., and N. S. ZHELEZOV. O porodnom sostave olenei Kol'skogo poluoostrova. (Sovetskoe olenevodstvo, 1936. Vyp. 7, p. 7-38) *Title tr.*: Reindeer breeding stock of Kola Peninsula.

A description of the appearance of two breeds of reindeer on the Kola Peninsula, with tables of body measurements and a discussion of the influences of cross breeding, based on materials collected mostly by N. S. Zhelezov, a zoologist of the Arctic Institute U.S.S.R. *Copy seen:* DLC.

4141. DRURI, I. V., and S. M. DRURI. Soderzhanie i razvedenie severnykh olenei. (In: U.S.S.R. Ministerstvo sel'skogo khoziaistva. Upravlenie raionov Krai'nogo Severa. Severnoe olenevodstvo, 1948, p. 158-216) *Title tr.*: The raising and breeding of northern reindeer.

Contains rules for herding; size and structure of herd and rules for pasturing, duties of herders, supervision of ranges and round-up of reindeer; principles of breeding and selecting reindeer, organizing herds for reproduction, supervision of rutting and fawning and care of fawns.

Copy seen: DLC.

DRURI, I. V., see also Vinogradov, M. P., & I. V. Druri. Ekster'er malozemel'skogo olenia. 1935.

DRURI, S. M., see Druri, I. V., & S. M. Druri. Soderzhanie i razvedenie sev. olenei. 1948.

DRURI, S. M., see also Popov, S. P., & S. M. Druri. Ispol'zovanie olenei na transporte. 1948.

4142. DRUZHININ, A. N. Obsledovanie reki Se-Yaga Vostochnaia. (Zemlevedenie, 1936. T. 38, vyp. 1, p. 35-74, 18 illus., fold. map) *Title tr.*: Investigations of eastern Se-Yaga River.

Report by the ichthyologist of a seven-man scientific expedition organized by the Ural State Fish Trust to investigate the Se-Yaga Vostochnaya River (flows into Ob' Bay at about 70°-22'N. 67°20'E.) Khee-To Lake region in Sept. 1930. Gives a general description of the part of the river-lake system investigated, with summary weather notes; remarks on the fish population with tabular data (length, weight, age, sex, location, how caught, etc.) on thirteen species most commonly found. Includes diary (p. 50-61) noting day-to-day work of the party Sept. 1-Oct. 1, 1930. Suggests general lines of future development of Yamal fish industry. *Copy seen:* DLC.

4143. DRYBROUGH, JOHN. A nickel-copper deposit on Hudson Bay. (Canadian mining and metallurgical bulletin, Mar. 1931. No. 227, p. 390-402, illus. (incl. sketch maps) diags.)

Description of the occurrence on Rankin Inlet, drilled by the Cyril Knight Prospecting Co., 1930; the difficulties offered by frozen ground; notes on the rocks and general features of the surrounding country.

Copy seen: DGS.

4144. DRYGALSKI, ERICH von, 1865-1949. Die Bewegung von Gletschern und Inlandeis. (Geographische Gesellschaft in Wien. Mitteilungen, 1938. Bd. 81, p. 273-86, illus.) *Title tr.*: The motion of glaciers and inland ice.

Discussion of the physical and mechanical processes of the movement of the two kinds of ice masses.

Copy seen: DLC.

4145. DRYGALSKI, ERICH von, 1865-1949. Grönlands Eis und sein Vorland. Berlin, W. H. Köhl, 1897. xix, 555 [1] p. illus., 44 plates, 9 maps (2 fold.) (Gesellschaft für Erdkunde zu Berlin. Grönland-Expedition, 1891-1893. Bd. 1) *Title tr.*: Greenland's ice and foreland.

Contents tr.: Problems of the expedition (sponsored by the Geographical Society of Berlin 1891-93) and division of the work. The inland ice and the coastal strip (origin of the gneiss formations, valleys and fiords).

The Karajak nunatak (form, old moraines, lakes and ice). The Karajak glacier and its vicinity.

Nugssuaq Peninsula and Disko Bay. The inland ice from Sermilik to Umiamako and its foreland.

Upernivik District, Hayes Peninsula, East and South Greenland.

Methods of measuring the movement of the ice; Movement of inland ice; of the Great Karajak glacier; of Little Karajak, Itivdiarsuk, and other glaciers.

Highland ice and coastal glaciers. Movement of coastal glaciers.

Icebergs. Ice formation (lake and sea ice), and sediments. Heat of ice. Structure of ice.

Results: Greenland's inland ice, movement and mechanics of movement, occurrences of diluvium.

Copy seen: DLC.

4146. DRYGALSKI, ERICH von, 1865-1949. Grönlands Gletscher und Inlandeis. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1892, p. 1-62, 12 plates, fold. map)

Paper based on the author's preliminary expedition to West Greenland, 1891, a part of the Geographical Society of Berlin's Greenland Expedition, 1891-1893. Includes a map showing route, glaciers visited, and the location of bases at Karajak and Umanak.

Copy seen: DLC.

4147. DRYGALSKI, ERICH von, 1865-1949. Die Probleme der Polarwelt. (Petermanns geographische Mitteilungen, Sept./Okt. 1935. Bd. 81, p. 303-310)

Discussion of general geographic, geologic and meteorologic problems in connection with the arctic and antarctic regions.

Copy seen: DLC.

4148. DRYGALSKI, ERICH von, 1865-1949. Spitzbergens Landformen und ihre Vereisung. München, 1911. 61 p. illus. (Akademie der Wissenschaften, Munich. Mathematisch-physikalische Klasse. Abhandlungen. Bd. 25, Abh. 7)

Results of the German *Zeppelin* Expedition, 1910, to Bear Island and West Spitsbergen, under the leadership of Prince Heinrich of Prussia. Descriptions of the boundaries of the island group, the geologic structure of West Spitsbergen and the land forms in relation to the structure; the ice types, with notes on the individual glaciers of the west and north sides of West Spitsbergen; remarks on the forelands and on the tundra and solifluction phenomena.

Copy seen: DLC.

4149. DRYGALSKI, ERICH von, 1865-1949. Spitzbergens Vereisung. (In: Miethe, A., and H. Hergesell, eds. Mit *Zeppelin* nach Spitzbergen, 1911, p. 177-84, illus.) *Title tr.:* Glaciation of Spitsbergen.

Brief notes on former and present glaciation, based on observations during the German Arctic *Zeppelin* Expedition, 1910.

Copy seen: DLC.

4150. DRYGALSKI, ERICH von, 1865-1949. Über die im Auftrage der Gesellschaft ausgeführte Vorexpedition nach West-Grönland. (Gesellschaft für Erdkunde zu Berlin. Verhandlungen, 1891. Bd. 18, p. 445-71, fold. map) *Title tr.:* On the preliminary expedition to West Greenland sponsored by the Society.

Contains account of the organization of the expedition, the journey along the west coast of Greenland, with notes on ice conditions, and the trips to the Jakobshavn, Karajak, Sermilik, and Itivdiarsuk glaciers.

Copy seen: DLC.

4151. DRYGALSKI, ERICH von, 1865-1949. Die *Zeppelin*-Studienfahrt nach Spitzbergen und ins nördliche Eismeer im sommer 1910. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1911, p. 1-14) *Title tr.:* The student trip to Spitsbergen and the Arctic Ocean in the *Zeppelin*, summer of 1910.

Account of the *Zeppelin* trial flight to Spitsbergen and in the north polar sea, in the summer of 1910, with general descriptions of Bear Island, the western shore of West Spitsbergen, and the ice in the polar sea, with remarks on the airship as a means of polar research.

Copy seen: DLC.

4152. DRYGALSKI, ERICH von, 1865-1949, and FRITZ MACHATSCHKE. Gletscherkunde. Wien, F. Deuticke, 1942. ix, 261 p. illus., 11 plates. (Enzyklopädie der Erdkunde [8]) *Title tr.:* Glaciology.

Contents tr.: Introduction. 1. Region and limits of snow. 2. Form and types of glaciers. 3. Glacier régime (nutrition, ablation, runoff, icebergs). 4. Physics of ice. 5. Temperature of glaciers and inland ice. 6. Structure of ice and the glacier. 7. Movement of glaciers and inland ice. 8. Relation to the bordering and underlying parts of the earth. 9. Geographic distribution. (Includes in subarctic and arctic zone: Iceland, Jan

Mayen, Svalbard, Franz Josef Land, Novaya Zemlya, Siberia, Alaska, Canadian Arctic, and Greenland). 10. Glacial variations (recession, advance, etc.) Bibliographies at the end of each chapter. *Copy seen: DLC.*

DRYGALSKI, ERICH von, 1865-1949, see also Gesellschaft für Erdkunde zu Berlin. Grönland-Expedition, 1891-93. 1897.

DRYGALSKI, ERICH von, 1865-1949, see also Stade, H., & others. Erdmagnetische, meteorologische, astronomische u. geodätische Arbeiten Umanak. 1897.

4153. DUASON, JÓN. Forslag til nordbokoloniens genrejsning i Grønland. (Grønlandske selskab. Aarsskrift, 1916. p. 93-142) *Title tr.*: Proposal to erect the Norsemen's Greenland settlement.

Proposes settlement of Icelanders at Vatnahverfi, southeast of Einarsfjord, southwest Greenland; emphasizes survival of Norse settlements for 500 years, their success in farming, cattle-raising and fishing, and favorable conditions in that region in modern times. Comment by Adolf Jensen. *Copy seen: NN.*

4154. DUASON, JÓN. Grønlands statsretslige stilling i middelalderen. Oslo, O. Norli, [1928] 1 p. l., v, [9]-216 p. *Title tr.*: The political position of Greenland in the middle ages.

Analyzes old Norse law sources with respect to the political position of Greenland in the Middle Ages, and concludes that Greenland was not an independent state but part of Icelandic dominion, governed by its laws; that the same relationship and conditions continued after the union with Norway. Includes excerpts from documents. *Copy seen: DLC; NNA.*

4155. DUBOIS, AUGUSTE. La région du Mont Lusitania au Spitzberg. (Société Neuchateloise de Géographie. Bulletin 1911-12, pub. 1912. T. 21, p. 1-77, 2 fold. plates, fold. map) *Title tr.*: The Mount Lusitania region of Spitsbergen.

Contains discussion, based on published accounts, of the geography, structural geology, glaciation and polygonal soils of West Spitsbergen, with accounts of the ascents of Mt. Marmier, Mt. Louis Olivier, and Mt. Lusitania, on the south side of Sassen Valley. *Copy seen: DLC.*

DUBOIS, EUGENE F., see McClellan, W. S., & E. F. DuBois. Clinical calorimetry 45. Prolonged meat diets. 1930.

4156. DUBROVSKII, A. N. Gaga i gachii promysel v Kandalakshskom zalive. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, vyp. 6, 899-915, illus.) *Title tr.*: The eider and eider-down utilization in Kandalaksha Bay.

A study of eider on the islands of the Kandalaksha Bay (western arm of the White Sea), and methods of collecting the down; appendices give description of the vegetation on Voroniy Island. *Copy seen: DLC.*

4157. DUBROVSKII, A. N. Nazemnye mlekopitafushchie Novoi Zemli. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1939. T. 71, vyp. 3, p. 402-414, illus.) *Title tr.*: Land mammals of Novaya Zemlya.

A biological and geographical sketch on mammals of Novaya Zemlya, with notes on the blue fox, reindeer, polar bear, lemming, etc.; based on the author's wintering experience on Novaya Zemlya during the Second International Polar Year, 1932-33. Summary in French. *Copy seen: DLC.*

4158. DUBROVSKII, A. N. Ob okhrane pritundrovyykh lesov Yamal'skogo natsional'nogo okruga. (Problemy Arktiki, 1937, no. 5, p. 95-96) *Title tr.*: On the problem of preservation of near-tundra forests in the Yamal National District.

A short description of the forests of the region and remarks on the importance of their preservation. *Copy seen: DLC.*

4159. DUBROVSKII, A. N. Pesets Alopez lagopus (L.) i pestsovyi promysel no Novoi Zemle. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 77, p. 7-31, illus., tables) *Title tr.*: Arctic fox and arctic fox trapping in Novaya Zemlya.

A study made by the author, as a member of the Scientific-Industrial Expedition to Novaya Zemlya, of the Arctic Institute of U.S.S.R., 1931-34. Description of the biology and ecology of the arctic fox; of the hunting and trapping industry, and its returns; with tabular data on numbers taken 1893-1901, and on numbers and value of fox, eider duck, marine animal oil and skins, polar bear, etc. 1925-33. *Copy seen: DLC.*

4160. DUBROVSKII, A. N. Promysly Novoi Zemli. (Priroda i sotsialisticheskoe khoziaistvo, 1941. Sbornik 8, ch. 2, p. 298-300, illus.) *Title tr.:* Making a living in Novaya Zemlya.

Information on hunting the arctic fox, walrus, seal, beluga or white whale (*Delphinapterus leucas*), reindeer, guillemot, eider duck, wild goose, etc., and remarks on the inefficiency of dog breeding, in Novaya Zemlya.

Copy seen: DLC.

4161. DUBROVSKII, A. N. Ptitsy-indikatory ledovogo rezhima arkticheskikh morei. (Priroda, 1944, no. 2, p. 67-68) *Title tr.:* Birds as indices of the ice régime in polar seas.

Author's observation of birds in the U.S.S.R. arctic regions, indicating a certain relationship between their migration dates, nesting habits, etc., and prevailing ice conditions.

Copy seen: DA.

4162. DUBROVSKII, A. N. Pushnye zveri Yamal'skogo natsional'nogo okruga. (Leningrad. Nauchno-issledovatel'skii institut polarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo", 1940. Vyp. 13, p. 7-48, illus., (incl. map), diagrs. *Title tr.:* Fur-bearing animals of Yamal National District.

Field observations made by the author, a member of Ob-Taz Hunting Industry Expedition, 1934-35, on the geographic distribution and ecology of fur-bearing animals of the region (the arctic fox, polar bear, wolf, fox, wolverine, sable, ermine, and others); with map indicating the distribution areas for the arctic fox and sable, and a bibliography, p. 45-48.

Copy seen: DLC.

4163. DUBROVSKII, A. N. Sobakovodstvo na Novoi Zemle. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1937. T. 69, vyp. 3, p. 448-57, illus.) *Title tr.:* Dog breeding on Novaya Zemlya.

A description of the dogs and dog breeding on Novaya Zemlya with some suggestions for improvement.

Copy seen: DLC.

4164. DUBROVSKII, A. N., and A. A. ROMANOV. Prof. G. G. Doppel'mair. (Problemy Arktiki, 1937, no. 2, p. 174-176, port.) *Title tr.:* Prof. Dr. G. G. Doppelmayr.

A bibliographical sketch on the occasion of the twenty-fifth anniversary of his scientific research work. Summary in English, p. 211-212.

Copy seen: DLC.

DUBROVSKII, A. N. *see also* Romanov, A. A., & A. N. Dubrovskii. K. metodike ucheta lemmingov. 1937.

DU BUISSON, A. G., *see* Chojecki, K. E. Voyage dans les mers du nord Reine Hortense. 1857.

4165. DUCHAUSSOIS, PIERRE JEAN BAPTISTE, 1878- . Aux glaces polaires; Indiens et Esquimaux. Nouvelle éd. Paris, Spes, 1928. 444 p. 32 plates, fold. map. *Title tr.:* Mid polar ice; Indians and Eskimos.

First published in 1921, and translated into English with title *Mid snow and ice* [etc.], q.v. This new edition (1928) includes additions covering O.M.I. work in the region, subsequent to 1921. History of the Oblates of Mary Immaculate in the Canadian Northwest, beginning 1845, with information on the Déné, Mountain, Beaver, Yellowknife, Dogrib, Slave, Hare and Cree Indians, and the Eskimos, and a history of the fur trade.

Copy seen: CaOUS (1928) NNStef.

4166. DUCHAUSSOIS, PIERRE JEAN BAPTISTE, 1878- . Femmes héroïques! Les soeurs grises dans l'Extrême-Nord. 2. éd. [Montréal, 1920] 267 p., 1 l. front. (port.) illus. (incl. ports.) First published in 1918.

History of the Catholic missions in the Northwest Territories, especially of the Sacred Heart Hospital at Fort Providence, and the St. Joseph's Hospice, Fort Resolution.

Copy seen: NNStef.

4167. DUCHAUSSOIS, PIERRE JEAN BAPTISTE, 1878- . The grey nuns in the far North (1867-1917). Toronto, McClelland & Stewart, [c1919] 5 p. l., 7-287 p. front. (port.) illus. (incl. ports.)

Translation of his: *Femmes héroïques!*, 1918, q.v. *Copy seen:* NNStef.

4168. DUCHAUSSOIS, PIERRE JEAN BAPTISTE, 1878- . Mid snow and ice; the apostles of the North-West. London, Burns, Oates & Washbourne, Ltd., 1923. xiii, 328 p. 2 fronts. (ports.) 30 plates (incl. ports.) fold. map.

Translation of his, *Aux glaces polaires; Indiens et Esquimaux*, 1921, q.v.
Copy seen: DLC; NNStef.

4169. DUCKWORTH, WYNFRID LAURENCE HENRY, 1870- , and B. H. PAIN. An account of some Eskimo from Labrador. (Cambridge Philosophical Society. Proceedings, 1900. v. 10, p. 286-91)

Based on anthropometric measurements of twenty-seven Eskimos from Hebron taken to England in 1899 for an exhibition.
Copy seen: DLC.

4170. DUCKWORTH, WYNFRID LAURENCE HENRY, 1870- , and B. H. PAIN. A contribution to Eskimo craniology. (Royal Anthropological Institute of Great Britain and Ireland. Journal, 1900, New ser., v. 3 (v. 30) p. 125-40, illus., 2 plates)

Contains (1) comparison of skulls with heads of twenty-one living Labrador Eskimos (analyzed by sexes) to determine the modifying effects of soft outer tissues upon cranial measurements; (2) summary of certain craniological characteristics of Eskimos; (3) brief miscellaneous notes by R. G. Taber on present-day Labrador Eskimos.
Copy seen: DLC.

DUDA, OSWALD, *see* Frey, R. Förteckning över Finland chloropider. 1933.

DUDA, OSWALD, *see* Frey, R. Förteckning över Finlands Scatopsider. 1930.

DUDA, OSWALD, *see* Sjostedt, Y., & others. Entomologische Ergebnisse. Kamtschatka-Exped. 37. Abschluss. 1935.

DUE, CHRISTIAN, *see* Hansteen, C., & C. Due. Resultate magnetischer (etc.) Beobachtungen. 1828-30. 1863.

4171. DÜCKER, ALFRED. Frostschub und Frosthebung. (Centralblatt für Mineralogie, Geologie und Paläontologie, 1933. Abt. B, p. 441-45) **Title tr.:** Frost thrust and heaving.

Discussion of the processes of structural soil formation, and the differing hypotheses regarding them, the Low-Gripp theory, and the Högbom regelation or frost thrust theory.
Copy seen: DGS.

4172. DUFFERIN and AVA, FREDERICK TEMPLE HAMILTON-TEMPLE-BLACKWOOD, *Marquis of*, 1826-

1902. A cruise in northern seas. London, Oxford University Press [n.d.] iii, 5-112 p. col. front., illus. (incl. map) (The romance of travel)

Taken from the author's, *A yacht voyage; letters from high latitudes*, 1857, q.v.
Copy seen: NNStef.

4173. DUFFERIN and AVA, FREDERICK TEMPLE HAMILTON-TEMPLE-BLACKWOOD, *Marquis of*, 1826-1902. Letters from high latitudes; being some account of a voyage in the schooner yacht "Foam", to Iceland, Jan Mayen, and Spitsbergen, in 1856. London, J. Murray, 1857. xvii p., 1 l., 428 p. front., illus., plates, maps, charts.

Published in three editions in London, 1857, and from time to time thereafter in London, New York and (in French translation) in Paris. Some American editions bore title: *A yacht voyage, letters from high latitudes* [etc.] French editions, Paris, 1860, 1882, bore title: *Lettres écrites des régions polaires* [etc.] Account of the yacht's cruise in Greenland Sea, along the west coast of West Spitsbergen to 80°N., and return to Norway, during June-Aug. 1856.
Copy seen: DLC; NNStef.

4174. DUFFIELD, WARREN L. Greenland health conditions. (New York state journal of medicine, May 1, 1934. v. 34, p. 403-404)

Based on statements of Godthaab doctors, brief remarks on incidence of various diseases among West Greenland Eskimos.
Copy seen: DLC; NNStef.

4175. DUFRESNE, FRANK, 1895- . An Alaska angler speaks out. (Alaska sportsman, Jan. 1935. v. 1, no. 1, p. 7-9, 26, 28-30, illus.)

Discussion of the abundance, variety, and occurrence of game fish in Alaskan inland waters.
Copy seen: DLC.

4176. DUFRESNE, FRANK, 1895- . Alaska's animals & fishes. West Hartford, Vt., Countryman Press [1946] xvi p., 1 l., 297 p. incl. col. front., illus. 12 col. plates, map on lining-papers.

Limited edition of 475 copies was signed by author and artist; trade edition was published in New York by A. S. Barnes & Co., 1946.

The author as miner, free-lance writer, and agent for the U. S. Biological Survey and Alaska Game Commission, observing Alaska's wildlife since

1920, "has brought together in concise form his wealth of information" on wildlife of the ice age, big game, fur trade, rodents, shrews and bats, seals, whales, porpoises, and fishes, etc.

Illus. by Bob Hines, consist of thirteen colored plates and numerous sketches. **Copy seen:** DF; DLC.

4177. DUFRESNE, FRANK, 1895- . Dog mushing in Alaska. (Alaska sportsman, Mar. 1936. v. 2, no. 3, p. 14-17, 24, 26, *illus.*)

Account of the author's experiences of dog driving in the Nome region and central Alaska, with historic notes on mail delivery by dog sledges.

Copy seen: DLC.

4178. DUFRESNE, FRANK, 1895- . The game and fur belong to all the people. (Alaska sportsman, Apr. 1944. v. 10, no. 4, p. 16-18, 21, *illus.*)

Discussion of the Alaska Game Commission and its work.

Copy seen: DLC.

4179. DUFRESNE, FRANK, 1895- . Grouse of Alaska. (Alaska sportsman, Dec. 1935. v. 1, no. 6, p. 8, 25, *illus.*)

Notes on occurrence and localities of the seven species of grouse (including ptarmigan) ranging from Ketchikan to Point Barrow.

Copy seen: DLC.

4180. DUFRESNE, FRANK, 1895- . Mammals and birds of Alaska. Washington, U. S. Govt. Print. Off., 1942. 1 p. l., 37 p. *illus.* (incl. 14 sketch maps) tables. (U. S. Fish and Wildlife Service. Circular no. 3)

Brief guide to the game animals land fur bearers, marine and predatory animals, and to the migratory, native upland game birds, birds of prey and song birds; with notes on protection, and sketch diagrams showing distribution of fourteen of the mammals.

Copy seen: DF.

4181. DUFRESNE, FRANK, 1895- . Spotting poachers; Alaska game protection goes modern. (Alaska life, Mar. 1941. v. 4, no. 3, p. 11, 27, *illus.*)

General account of up-to-date radio-phone, airplane, scientific knowledge and regulatory methods now safeguarding Alaska's wildlife.

Copy seen: DLC.

4182. DUFRESNE, FRANK, 1895- . What of tomorrow? (Alaska sportsman, Apr. 1937. v. 3, no. 4, p. 9, *illus.*)

General discussion of Alaska Wildlife Conservation, by a game commissioner.

Copy seen: DLC.

4183. DUGRÉ, ADÉLARD. Les Oblats dans l'extrême Nord. Montréal, Oeuvre des Tracts, 1922. 16 p. (No. 41) **Title tr.:** The Oblates in the far North.

Brief sketch of missionary work in the "old Northwest" of Canada in the Yukon and Mackenzie District.

Copy seen: CaOUS.

4184. DUL'KEIT, G. D. Materialy po izucheniiu biologii sobol'ia i sobolinogo khoziaistva ostrova Bol'shoi Shantar. Vladivostok, 1929. 119, [1] p., plate. (Vladivostok. Tikhookeanskaiia nauchno-promyslovaia stantsiia. Izvestiia T. 3, vyp. 3) **Title tr.:** On the biology of the sable and the sable farming on the Island of Great Shantar.

Author's study of the biology of sable, its food and habits, behavior in captivity and a brief discussion of the Shantar Island sable breeding. Summary in English. **Copy seen:** DLC.

DUL'KEIT, G. D., *see also* Lindberg, G. U., & G. D. Dul'keit. Materialy po rybam Shantarskogo moria. 1929.

4185. DULLES, FOSTER RHEA. Low-ered boats; a chronicle of American whaling. New York, Harcourt, Brace, [c1933] 5 p. l., 292 p. 9 plates, map on lining papers.

Contains chapters (p. 228-39) on bowhead whaling in Chukchi Sea, and (p. 265-76) on the disastrous season of 1871-72, in Beaufort and Chukchi Seas.

Copy seen: NNSf.

4186. D U M A N, MAXIMILIAN GEORGE. The genus *Carex* in eastern arctic Canada. Washington, D. C., 1941. 84 p. *illus.* (map) (Catholic University of America. Biological series, no. 36) Thesis (Ph.D.) Catholic University of America, 1941.

Based on the author's field work 1938-39, and upon the extensive collections in the Langlois Herbarium of Catholic University of America, made by himself and others in the region of Canada bounded on the west by the 100°W. long. meridian and on the south by about the 50°N. lat. parallel. The author gives a key to the carices (sedges) of this region, a discussion, with synonymy, and distribution of the forty-six species under consideration.

indices of numbered specimens and of species, and a bibliography (98 items).

Copy seen: DLC.

DUMAN, MAXIMILIAN GEORGE, *see also* O'Neill, H., & M. Duman. New species *Carex*, arctic Canada. 1941.

DUMAN, MAXIMILIAN GEORGE, *see also* Steere, W. C. Bryophyta of Canadian Arctic. 1941.

DUMBRAVA, *see* Giltay, L. Poissons recueillis Groenland oriental, 1927-28. 1930.

DUMITRASHKO, N. V., *see* Krasheninikov, S. P. Opisanie zemli Kamchatki. 1948.

4187. DUNAEVSKII, N. Polharnyi khod-faktor osvoeniia Severa (Sovetskii Sever, 1932. T. 3, no. 6, p. 51-60, illus.)
Title tr.: Arctic cold as a factor in the conquest of the North.

Report to the Committee of the North on a method said to be invented by Bargeaux, a Canadian engineer, to utilize the difference in temperatures of the air and water under the ice in lakes, rivers, and seas for obtaining electric power in arctic regions. Indicates need for further study of the scheme.

Copy seen: DLC.

4188. DUNBAR, MAXWELL JOHN, 1914-. The Arctic Institute of North America. (*In:* Polunin, N. V. Arctic unfolding, 1949. p. 290-93)

Outline of the Institute's organization, objects and program of scientific research.

Copy seen: DLC.

4189. DUNBAR, MAXWELL JOHN, 1914-. The breeding cycle in *Sagitta elegans arctica* Aurivillius. (Canadian journal of research, Sept. 1941. v. 19, sec. D, p. 258-66)

Based on material collected by the author on the Canadian Eastern Arctic Patrols, of the *Nascope* 1939-40, in the waters of Baffin Bay, Hudson Strait, and Labrador Sea.

Copy seen: DSI-M.

4190. DUNBAR, MAXWELL JOHN, 1914-. *Calanus*, new arctic research vessel. (Arctic, May 1949. v. 2, p. 56-57, illus., diags.)

Description, with ship's plans, of the new ketch built in 1948 for the Fisheries Research Board of Canada.

Copy seen: CaMAI; DLC.

4191. DUNBAR, MAXWELL JOHN, 1914-. Common cause in the North. (International journal, Oct. 1946. v. 1, p. 358-64)

Discussion of the mutual problems in geography, oceanography, biology and anthropology, health of natives, administration, etc. which Canada and Denmark share in Greenland and the Canadian Arctic, with suggestions for international research to solve the problems.

Translation in Danish appeared as *Grønland og Kanada. Fælles problemer paa den kulturelle og videnskabelige front*, in *Grønlandsposten*, 1947, Aarg. 6, nr. 1, p. 18-21.

Copy seen: CaMAI; DLC.

4192. DUNBAR, MAXWELL JOHN, 1914-. Greenland—an experiment in human ecology. (Commerce journal, Mar. 1947. p. 69-109, tables, sketch map, diag.)

The author, professor of zoology at McGill University and formerly Canadian Consul in Greenland, gives here an ecological sketch of the economy of contemporary Greenland, especially West Greenland, with information on (1) the population and its distribution; (2) climatic changes due to hydrographic conditions; (3) the sealing industry and its shifts, with notes on walrus and whales; (4) the fisheries; (5) sheep-farming; (6) cryolite; (7) other resources: sea-birds, caribou, polar bear, fox farming and trapping, cattle and poultry, vegetable gardening, and coal; (8) the native mind and its education; (9) health; (10) administration policy: background, wartime administration, post-war developments; (11) scientific exploration; (12) Greenland's strategic position.

Appendix mentions publications on government policy which appeared in 1946 (after the author's completion of this paper).

Copy seen: CaMAI.

4193. DUNBAR, MAXWELL JOHN, 1914-. Marine macroplankton from Canadian Eastern Arctic. 1. Amphipoda and Schizopoda. 2. Medusae, Siphonophora, Ctenophora, Pteropoda, and Chaetognatha. (Canadian journal of research, 1942. v. 20, sec. D. p. 33-46, 71-77)

Based on collections made by the author during the Canadian Eastern Arctic Patrols, 1939-40, in the regions

of Prince Regent Inlet, Admiralty Inlet (Lancaster Sound), Eclipse Sound, west side of Baffin Bay and Davis Strait, Cumberland Sound, Foxe Basin, and Hudson Strait.

Contains taxonomic list, with descriptive notes, synonymy, localities and distribution, of forty-nine species, including one new amphipod, and representing many new records; discussion of the differences between the plankton of the two sides of Baffin Bay, and notes on the hydrography which indicates a high arctic plankton.

Copy seen: DLC.

4194. DUNBAR, MAXWELL JOHN, 1914- . Marine young fish from the Canadian Eastern Arctic. Ottawa, 1947. 11 p. illus. (Canada. Fisheries Research Board. Bulletin no. 73)

Descriptions and notes on distribution of eleven species of pelagic fish larvae taken in the plankton collected during the summers of 1939 and 1940 in coastal waters of Labrador, Baffin Island and Bellot Strait; with a bibliography (21 items).

Copy seen: DSI-M.

4195. DUNBAR, MAXWELL JOHN, 1914- . Note on the delimitation of the arctic and subarctic zones. (Canadian field-naturalist, Jan.-Feb. 1947. v. 61, p. 12-14)

Brief discussion of hydrographic influences in the Greenland and eastern Canada regions, on the faunal zones; with a bibliography (19 items).

Copy seen: DLC.

4196. DUNBAR, MAXWELL JOHN, 1914- . On the food of seals in the Canadian Eastern Arctic. (Canadian journal of research, May 1941. v. 19, sec. D, p. 150-55)

Results of the author's studies while with the Canadian Eastern Arctic Patrols, 1939-40. Description of stomach contents of ringed, bearded, and harp seals of Baffin Island waters, and a discussion of the food habits of the ringed seal in relation to plankton succession in fiord waters.

Copy seen: DSI-M.

4197. DUNBAR, MAXWELL JOHN, 1914- . On the size distribution and breeding cycles of four marine planktonic animals in the Arctic. (Journal of animal ecology, Nov. 1940. v. 9, p. 215-26, tables, diagrs.)

Contains size-distribution histograms for one chaetognath, *Sagitta elegans arctica*, and three schizopods, *Thysanoessa inermis*, *T. raschii*, and *Boreomysis nobilis*, from Atâ Sound, northeast corner of Disko Bay, 69°30'-70°N., West Greenland; report on growth of gonads and ovaries in *Sagitta* and on breeding period and cycles in the schizopods.

Copy seen: DA.

4198. DUNBAR, MAXWELL JOHN, 1914- . The Pinnipedia of the Arctic and subarctic. Ottawa, 1949. 22 p. (Canada. Fisheries Research Board. Bulletin. No. 85)

Information on the classification, range, habits, and present status of the seals and walrus; notes on their relation to Eskimo economy, and a review of physiological and comparative studies of the Pinnipedia, with a bibliography (44 items).

Copy seen: CaMAI; DF.

4199. DUNBAR, MAXWELL JOHN, 1914- . The state of the West Greenland current up to 1944. (Canada. Fisheries Research Board. Journal, Oct. 1946. v. 6, p. 460-71, sketch map, table, diagrs.)

"Temperature records from the mouth of Godthaab fiord . . . during 1942-44, show a cooling of the water over these three years . . . The temperature history of the West Greenland current is traced by means of available records since 1883. It is found that warmer conditions existed during the decade of 1880, followed by a colder period up to about 1920, when the present warm period began. The peak of the present warm period appears to have been reached in the middle 1930's, and it is possible that the cycle is about to return to colder conditions, with a weakening of the Atlantic component of the current."-Abstract.

Copy seen: DSI-M.

DUNBAR, MAXWELL JOHN, 1914- , see also Hartley, C. H., & M. J. Dunbar. On hydrographic mechanism of "brown zones", tidal glaciers. 1938.

DUNBAR, MAXWELL JOHN, 1914- , see also Sverdrup, H. U., & M. J. Dunbar. Oceanography. (Program of investigation) 1946.

4200. DUNCAN, A. C. Diet and disease in the subarctic. (Lancet, Dec. 20, 1947. v. 253, p. 919-21)

Based on ten years' practice in Dawson, Yukon Territory, about 1933-43; a discussion of the white man's and Indian's diet, in relation to scarcity of certain diseases, concluding that a meat diet is best.

Copy seen: DLC; NNStef.

4201. DUNCAN, DAVID. Arctic regions, voyage to Davis' Strait, by David Duncan, master of the ship *Dundee*, sailed from London 3rd April, 1826, and returned 25th June, 1827; having been beset by ice more than eight months; during seventy-five days of which, the Sun never rose above the horizon [sic]: with an account of the hardships and dangers sustained by the crew, and many miraculous escapes. London, printed by E. Billings . . . for the author, [etc.] 1827. xv, 126 p. fold. front., errata slip.

Contains a day-to-day record of the voyage; with (p. 19-25) an account of the author's discovery of Sayer's Island (about 68°40'N. 24°30'W.) also Cape Despair, Duncans-by-Head, Gales' Land (on adjacent mainland) and Robison's Island, all of which he named; account of the wreck of the *Harlingen*, of ice conditions and the drift of the *Dundee* in Davis Strait, from about 74°30'N. to about 63°N. 61°30'W. with occasional references to whaling activity.

Copy seen: DLC; NNStef.

4202. DUNCAN, GORDON G. Explorations in the Coppermine River area, Northwest Territories. (Canadian mining and metallurgical bulletin, Mar. 1931. No. 227, p. 363-89. illus. (incl. maps) Issued also as: Canadian Institute of Mining and Metallurgy. Transactions, 1931, v. 34, p. 124-56 incl. maps)

Contains a report on prospecting activities of the Northern Aerial Minerals Exploration Co. in summer 1930; notes on topography, climate, geology, modes of occurrence on copper, and description of the important ore bodies found (with maps); also discussion, p. 383-89.

Copy seen: DGS.

4203. DUNCAN, PETER MARTIN, 1821-1891, and W. PERCY SLADEN. A memoir on the Echinodermata of the arctic sea to the west of Greenland. London, J. Van Voorst, 1881. vi p., 1 l., 82 p., 6 plates.

Based on collections of the British Arctic Expedition, 1875-76, mostly be-

tween 79°20'N., and 82°27'N., and a few specimens from the *Valorous*' cruise in 1875 between 66°56' and 70°30'N. A list, with synonymy, descriptions, and distribution of thirty species of sea cucumbers, urchins, stars, etc. from Baffin Bay and Smith Sound-Robeson Channel waters.

Copy seen: DSI-M.

4204. DUNCAN, PETER MARTIN, 1821-1891, and W. PERCY SLADEN. Report on the Echinodermata collected during the Arctic Expedition, 1875-6. (Annals and magazine of natural history, Dec. 1877. Ser. 4, v. 20, p. 447-70)

List (with descriptions, synonymy and discussion of distribution) of eighteen (including one new) species from Smith Sound and Kane Basin.

Abridged version appears as Appendix no. 9, in Sir G. S. Nares, *Narrative of a voyage to the polar sea during 1875-6*, etc., pub. 1878, q.v.

Copy seen: DSI-M.

DUNCAN, PETER MARTIN, 1821-1891, see also Jeffreys, J. G., & others. Preliminary report of biological results *Valorous*. 1876.

DUNCAN, WILLIAM, 1832-1918, see Arctander, J. W. Apostle of Alaska; Wm. Duncan. 1909.

4205. DUNÉR, NILS CHRISTOFER, 1839-1914. Magnetiska inclinationsbestämningar på Spetsbergen. (Ymer, 1870. Årg. 27, p. 581-96) *Title tr.*: Determinations of magnetic inclination on Spitsbergen.

Results of observations made on West Spitsbergen and adjacent islands May-Sept. 1861, and July 1864, during the Swedish Expeditions to Spitsbergen of 1861 and 1864.

Copy seen: DLC.

4206. DUNÉR, NILS CHRISTOFER, 1839-1914, and N. A. E. NORDENSKIÖLD. Anteckningar till Spetsbergens geografi. Stockholm, P. A. Norstedt, 1865. 15 p., fold. col. map. (Svenska vetenskapsakademien. Handlingar. [Ny följd] bd. 6, no. 5) *Title tr.*: Notes on the geography of Spitsbergen.

Said (by J. M. Hulth in *Swedish arctic . . . explorations*, 1910) to have been published in English as *Explanatory remarks in illustration of a map of Spitzbergen*, Stockholm, 1865 [copy not located] and in German (from the English translation) as *Mémoire zu*

der schwedischen Karte von Spitzbergen, 1865, q.v.

Contains remarks on the geographical position of seventy-nine places; the coasts and harbors; the altitudes of twenty-eight mountains; the driftwood, climate, reindeer, etc., based on the Swedish expeditions of 1858, 1861, and 1864.

Copy seen: DLC.

4207. DUNÉR, NILS CHRISTOFER, 1839-1914, and N. A. E. NORDENSKIÖLD. Förberedande underöskningar rörande utförbarheten af en gradmätning på Spetsbergen. [Stockholm, P. A. Norstedt, 1865] 19 p. map. (Svenska vetenskapsakademien. Handlingar. [Ny följd] bd. 6, no. 8) Title tr.: Preliminary investigations concerning the feasibility of measuring an arc of the meridian on Spitsbergen.

Account of geodetic reconnaissance on West Spitsbergen during the Swedish Expedition to Spitsbergen 1864, in preparation for the planned measurement of an arc of the meridian.

Copy seen: DLC.

4208. DUNÉR, NILS CHRISTOFER, 1839-1914, and N. A. E. NORDENSKIÖLD. Mémoire zu der schwedischen Karte von Spitzbergen. (In: Petermann, A. Spitzbergen. Pub. in: Petermanns geographische Mitteilungen. Ergänzungsheft, 1865. Nr. 16, p. 26-33, fold. map)

Translation of the author's *Anteckningar till Spetsbergens geografi*, 1865, q.v.

Copy seen: DGS; DLC.

4209. DUNIKOWSKI, EMIL, Ritter von, 1855-. Ueber Permo-carbon-Schwämme von Spitzbergen. Stockholm, P. A. Norstedt, 1884. 18 p. 2 plates. (Svenska vetenskapsakademien. Handlingar. [Ny följd] bd. 21, no. 1) Title tr.: Sponges of the Permian-Carboniferous period in Spitsbergen.

Discussion and list, with synonymy, descriptions and locations, of four (including two new) species from West Spitsbergen, collected during the Swedish Geological Expedition to Spitsbergen, 1882.

Copy seen: DLC.

DUNIKOWSKI, EMIL, Ritter von, 1855-, see also Hinde, G. J. On chert & siliceous schists. 1888.

4210. DUNIN-BARKOVSKII, V. N. Ustroistvo tepliš na Krainem Severe. (Sovetskii Sever, 1931. T. 2, no. 11-12,

p. 99-106, illus., diagrs.) Title tr.: Building of hot houses in the far North.

Discussion of the most suitable types of hot houses for cold regions, their location, disposition in relation to cardinal points and wind, their heating, ventilation, etc.

Copy seen: DLC.

4211. DUNIN-GORKAVICH, A. A. Geograficheskii ocherk Tobol'skago siyvera. Vsesoiuznoe geograficheskoe obshchestvo. Izvistiia, 1904. T. 40, p. 78-130, 2 fold. col. maps) Title tr.: Geographical sketch of the northern part of Tobolsk Government.

The author, a forester for thirteen years in the area, had been commissioned by the Ministry of Agriculture and State Properties to study the forests (1898-1903). This paper is one of the results of his exploration in the area, which covers approximately the northern two-thirds of the present Omskaya Oblast'.

Contains (1) definition of the area as including Berezovskii, Surgutskii, and the northern part of Tobol'skii District; its zones; hydrology, and the significance for the population of the fluctuation of the water level in the Ob' valley; climate, and successful attempts at agriculture; temperature, precipitation averages; the times of formation and breaking up of ice on the Ob'; earlier maps of the area.

2. Author's methods of exploration; general characteristics of the terrain and topographical description of the area by regions.

3. The roads, water routes, and railways (past, present, and proposed), and the effect of the distances and costs involved on the commerce of the region, in particular the export of fish.

Map on two sheets of the entire Tobol'sk Government, showing terrain and means of transportation and communication, scale 1:680,000.

Copy seen: DLC.

DUNLOP, HARRY ADAM, 1898-, see Thompson, W. F., & others. Biological statistics of Pacific halibut (1) yield unit gear. 1931.

4212. DUNN, ROBERT. The shameless diary of an explorer. New York, Outing Publishing Co., 1907. viii, 297 p. 1 l. front., 10 plates, 2 fold. maps.

Chronicle by a member of the F. A. Cook party, which made an unsuccessful

ful attempt to ascend Mt. McKinley in 1903. *Copy seen:* DLC; NNS Stef.

4213. DUNS FORD, H. A. H. The opening of the arctic sea. London, W. Ridgway, 1890. 24 p. fold. map.

Basing his opinion upon knowledge of the northern oceanic current systems and information given by polar explorers regarding movement of the polar ice, the author conjectures on the possibility of channeling the Japan and Atlantic warm currents, to keep open water in the Arctic Basin.

Copy seen: NNS Stef.

4214. DUPLITSKII, D. S. Itogi ekspeditsii na l/k "Krasin" v 1935 g. (*In:* Duplitskii, D. S., and G. E. Ratmanov, editors. Nauchnye raboty ekspeditsii na ledokole "Krasin" v 1935 godu, 1936, p. 3-18, illus.) *Title tr.:* Results of the expedition of the ice-breaker *Krasin*, 1935.

An account of the expedition undertaken to study ice conditions in Chukchi Sea and the oceanographic factors determining them. *Copy seen:* DLC.

4215. DUPLITSKII, D. S. Pokhod "Krasina". (Sovetskaiia Arktika, 1936, no. 2, p. 36-49, illus., map) *Title tr.:* The cruise of the *Krasin*.

Account of navigation in the eastern section of the Northern Sea Route, as directed from ice-breaker *Krasin* in 1935. *Copy seen:* DLC.

4216. DURGIN, GEORGE FRANCIS, 1858-1905. Letters from Labrador. Concord, N. H., Rumford Printing Co., 1908. 117 p. front. (port.) 8 plates. "Originally printed in the *Concord Daily Monitor* during the years 1903 and 1904."—Pref.

Description of the Labrador coast to Hamilton Inlet, its inhabitants, and Dr. Grenfell's work.

Copy seen: DLC; NNS Stef.

4217. DUPLITSKII, D. S., and G. E. RATMANOV, editors. Nauchnye raboty ekspeditsii na ledokole "Krasin" v 1935 godu. Sbornik statei sotrudnikov ekspeditsii. Leningrad, 1936. 178, [2] p., illus., maps (part fold), diagrs. *Title tr.:* Scientific work of the expedition on the ice-breaker *Krasin*, 1935; a collection of articles by members of the expedition.

Contents tr.: DUPLITSKII, D. S. Results of the expedition of the ice-breaker *Krasin*, 1935.

RATMANOV, G. E. Hydrological work of the ice-breaker *Krasin*, 1935.

SHIRSHOV, P. P. Plankton as an indicator of ice conditions.

USHAKOV, P. V. On the benthonic fauna of Chukchi Sea.

LANGVAGEN, A. V. Some data on hydrochemical work of the expedition of the ice-breaker *Krasin*, 1935.

PIOTROVICH, V. V. Short description of hydrophysical observations on the ice-breaker *Krasin*.

NOSKOV, A. P. A description of Chukchi Sea bottom.

BELIAEV, M. S. Astro-geodetic work on Wrangel and Herald Islands.

PIOTROVICH, V. V. Herald Island.

VAKHRAMEEV, A. A. Hydrographic sketches of coastlines.

RATMANOV, G. E., and D. N. SERGIEVSKII. Short account of the voyages of the ice-breaker *Krasin*, 1935, and the ice conditions in Chukchi Sea.

RADVILLOVICH, K. A. Meteorological conditions and the distribution of ice in the navigational year 1935 in the eastern section of the Arctic.

KHARITONOV, I. V. Some problems of arctic ship construction.

Each paper appears in this Bibliography under its author's name.

Copy seen: DLC.

4218. DURAND, ELIAS, 1794-1873, and others. Enumeration of the arctic plants collected by Dr. I. I. Hayes in his exploration of Smith's Sound, between parallels 78th and 82d, during the months of July, August and beginning of September, 1861. (Academy of Natural Sciences of Philadelphia. Proceedings, 1863, pub. 1864, p. 93-96)

Contents: Phaenogamous plants. Cryptogamous plants: Musci and Lichenes, by Thomas P. James; Algae, by Samuel Ashmead. List of one hundred twenty plants, with locality given for fifty-three of the species determined. *Copy seen:* DLC.

4219. DURAND, ELIAS, 1794-1873. Plantae Kaneanae Groenlandicae. Enumeration of plants collected by Dr. E. K. Kane, U.S.N., in his first and second expeditions to the polar regions, with descriptions and remarks. (Academy of Natural Sciences of Philadelphia. Journal, 1856. Ser. 2, v. 3, p. 179-204)

List with localities, descriptive notes, and discussion, of one hundred six

phanerogams, seven ferns, twenty-five mosses, four liverworts and six fungi, representing localities between 64° and 80°N. on the west coast of Greenland.

Copy seen: DLC.

DURAND, ELIAS, 1794-1873, see also Kane, E. K. Arctic explorations, 1853-55. 1856, 1857.

4220. D'URBAN, W. S. M. The zoology of Barents Sea. (Annals and magazine of natural history, Oct. 1880. Ser. 5, v. 6, p. 253-77, incl. 10 p. of tables)

Contains station lists of 149 invertebrate and 7 fish species, with tabular presentation of positions and depths where specimens were taken during the Dutch expeditions in the *Willem Barents*, 1878-79, in Barents Sea between West Spitsbergen and Novaya Zemlya.

Copy seen: DSI-M.

4221. DURDENEVSKAIA, M. V. Drevnee olednenie i sovremeniia vechnaia merzlota v Irkut-Baikal'skom ponizhenii. (Akademiia nauk SSSR. Komissia po izucheniiu vechnoi merzloty. Trudy, 1934. T. 3, p. 89-105) *Title tr.:* Ancient glaciation and contemporary permafrost in the Irkut-Baykal depression.

Contains a summary of published data dealing with the region, which testifies to the existence of traces of ancient glaciation in the form of fossil ice in the permafrost ground, with laminations of frozen clay and remains of vegetation. A detailed description of the Il'cha River valley is given and the peculiar micro-relief is explained by the action of changes in the underground ice. The growth of permafrost in this region is reconstructed in accordance with the glaciation theory, the origin of which is indicated.

Copy seen: DLC.

4222. DURDENEVSKAIA, M. V. Vechnaia merzlota i iskopaemyi led v beregakh ozera doliny reki Irkuta. (Akademiia nauk SSSR. Komissia po izucheniiu vechnoi merzloty. Trudy 1932. T. 1, p. 55-67, illus., maps). *Title tr.:* Permafrost and fossil ice on the shores of a lake in the valley of the Irkut River.

Contains results of the author's observations during the construction of a hydro-electric power plant on the Irkut River (52°N. 102°E.). A number of lakes were investigated (maps and illustrations) description, occur-

rence of ground ice and permafrost noted. Material on the formation of "sunken" lakes due to the melting of ground ice is given. *Copy seen:* NN.

4223. DU RIETZ, GUSTAF EINAR, 1895- . Bidrag till Kebnekaiseområdets flora. (Svensk botanisk tidskrift, 1926. Bd. 20, häfte 1, p. 43-51) *Title tr.:* A contribution to the flora of Kebnekaise region.

Contains a geobotanical survey of the region and an alphabetical list of one hundred fifteen species of plants growing in Kebnekaise mountainous region in Torne Lappmark and observed by the author in 1924.

Copy seen: MH-A.

4224. DU RIETZ, GUSTAF EINAR, 1895- . De svenska *Helianthemum*-arterna. (Botaniska notiser, 1923, häfte 5-6, p. 435-50, text maps) *Title tr.:* On Swedish species of *Helianthemum*.

Contains critical notes and data on the distribution of five lichens of genus *Helianthemum*, including *H. arcticum*, known from Imandra Lapland, Kola Peninsula; bibliography (16 items).

Copy seen: MH-A.

4225. DU RIETZ, GUSTAF EINAR, 1895- . Die europäischen Arten der *Gyrophora* "anthracina" Gruppe. Stockholm, Almqvist & Wiksell, 1925. 14 p. (Arkiv för botanik. Bd. 19. no. 12) *Title tr.:* European species of the *Gyrophora* "anthracina" groups.

Contains a critical revision of the lichens of *anthracina* group of the genus *Gyrophora* with a key to the species and an enumeration of six species, including *G. rigida* n. sp. from Greenland and *G. reticulata*, occurring in arctic Sweden, Svalbard, Franz Josef Land, arctic Siberia and Ellesmere Island.

Copy seen: MH-A.

4226. DU RIETZ, GUSTAF EINAR, 1895- . Flechtensystematische Studien. I, III-VI. (Botaniska notiser, 1922, häfte, 4, p. 210-22; (III) 1924, häfte 1, p. 49-68; (IV) häfte 4, p. 329-42; (V) 1925, häfte 1, p. 1-16; (VI) häfte 5-6, p. 362-72) *Title tr.:* Systematic studies of lichens. I, III-VI.

Contains Latin descriptions of various new lichens and critical notes on little known or interesting species, including some native to arctic Scandinavia, U.S.S.R., Alaska, Canada and

arctic islands. Pt. II of these studies includes no arctic species.

Copy seen: MH-A.

4227. DU RIETZ, GUSTAF EINAR, 1895- . Lichenologiska fragment: III. De svenska *Xanthoria*-arterna. IV. Några i Sverige föga beaktade *Cladonia*-arter. V. Några för Sverige nya eller föga kända lavararter. VI. De skandinaviska *Alectoria*-arterna. VII. [no subtitle]. VIII. Ett bidrag till Åsele Lappmarks lavflora. (Svensk botanisk tidskrift, 1921, Bd. 15, häfte 2-4, p. 181-91; (IV) 1922, Bd. 16, häfte 1, p. 69-76; (V) 1923, Bd. 17, häfte 1, p. 83-95; (VI) 1924, Bd. 18, häfte 1, p. 141-55; (VII) 1925, Bd. 19, häfte 1, p. 70-83; (VIII) 1926, Bd. 20, häfte 2, p. 281-83) *Title tr.:* Lichenological fragments: III. The Swedish *Xanthoria* species. IV. Some species of *Cladonia* neglected in Sweden. V. Some lichen species new to Sweden or little known. VI. Scandinavian *Alectoria* species. VII. [no subtitle]. VIII. A contribution to the lichen flora of Åsele Lappmark.

Contains in pt. III a key to the species and an enumeration of five species of lichen genus *Xanthoria*, including *X. candelaria* from Lapland; pt. IV, critical notes on three species of *Cladonia* including *C. delessertii* and *C. bacilliformis* native to Torne Lappmark; pt. V, descriptive notes on six species of *Alectoria* (one new comb.) with *A. cinnamomea* occurring in Swedish Lapland; pt. VI, Swedish and Latin key to ten European species of *Alectoria* and critical notes, including three species native to Swedish Lapland and northern Norway; pt. VII contains a supplement to *Lichenologiska fragment III and V*, including *Xanthoria fallax* native to Lule Lappmark; pt. VIII is a list of forty lichens collected by the author in Åsele Lappmark.

Pt. 1-2 of this series contain no arctic material.

Copy seen: MH-A; MH-F.

4228. DU RIETZ, GUSTAF EINAR, 1895- . The lichens of the Swedish Kamchatka Expeditions. Stockholm, Almqvist & Wiksell, 1929. 25 p. 2 plates. (Arkiv för botanik, 1929. Bd. 22A, no. 13)

Contains an enumeration of one hundred two species of lichens brought home by the Swedish Kamchatka Ex-

pedition, 1920-22, with synonymy, critical notes, data on distribution and descriptions of *Stereocaulon saviczii* and *Gyrophora hulteni* n. spp.

Copy seen: MH.

4229. DU RIETZ, GUSTAF EINAR, 1895- . Några iakttagelser över myrar i Torne Lappmark. (Botaniska notiser, 1921. p. 3-14) *Title tr.:* Observations on swamps in Torne Lappmark.

Contains notes on various plant formations of swampy regions in Torne Lappmark, northern Sweden, with lists of typical plants and data on their succession; bibliography (8 items).

Copy seen: MH-A.

4230. DU RIETZ, GUSTAF EINAR, 1895- . Studier över de skandinaviska *Laminaria*-arterna. (Botanisk notiser, 1920. p. 41-49) *Title tr.:* Studies of Scandinavian species of *Laminaria*.

Contains a brief review of Scandinavian kelps (*Laminaria*) including *L. nigripes* and *L. gunneri* occurring in arctic regions of Scandinavia (Finland, Norway) and critical study of three other species; bibliography (28 items).

Copy seen: MH-A.

4231. DU RIETZ, GUSTAF EINAR, 1895- . Studier över vinddriften på snöfält i de skandinaviska fjällerna. Ett bidrag till de nordiska fjäll-lavarnas spridningsbiologi. (Botaniska notiser, 1931, häfte 1-2, p. 31-44) *Title tr.:* Studies on the wind-drift on snow-fields in the high mountains of Scandinavia. A contribution to the dispersal-ecology of Scandinavian alpine lichens.

Contains an analysis of "chionochorous plant-dispersal" ("Schneeläufer" of German writers) in relation to lichens in Scandinavia, based on material collected by the author on alpine snow-fields in southeastern Norway and Torne Lappmark, northern Sweden, and its influence on "chionophilous" and "chionophobic" lichens; bibliography (21 items).

Copy seen: MH-A.

4232. DU RIETZ, GUSTAF EINAR, 1895- . Torneträskområdets höjdgränser för *Salix herbacea* och *Salix polaris*. (Botaniska notiser, 1943, häfte 2, p. 178-84) *Title tr.:* Vertical limits of *Salix herbacea* and *Salix polaris* in the Torneträsk region.

Contains a discussion of vertical distribution of vegetation in alpine re-

gion of Torneträsk, Torne Lappmark, northern Sweden, based on study of vertical limits of *Salix herbacea* and *S. polaris*, predominant in that region and growing on lime soil. Summary in German.

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4233. DU RIETZ, GUSTAF EINAR, 1895- . Vorarbeiten zu einer "Synopsis Lichenum" I. Die Gattungen *Alectoria*, *Oropogon* und *Cornicularia*. Stockholm, Almqvist & Wiksell, 1926. 43 p. 2 plates. text maps. Arkiv för botanik, 1926. Bd. 20A, no. 11) *Title tr.*: Preliminary studies to a "Synopsis Lichenum". I. The genera *Alectoria*, *Oropogon* and *Cornicularia*.

Contains keys to the sections, genera and lower forms, and monographic enumeration of nineteen species of the lichen *Alectoria*, one of *Oropogon* and six of *Cornicularia*, with synonymy, Latin diagnoses of new species, critical notes and general distribution, including all arctic regions.

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DU RIETZ, GUSTAF EINAR, 1895- , *see also* Björkman, G., & G. E. Du Rietz. Associationernas succession i högmossar. 1923.

DU RIETZ, GUSTAF EINAR, 1895- , *see also* Lundqvist, M. Norrland. 1942.

4234. DU RIETZ, T. A. Contribution to the petrography of Kamchatka. (Geologiska föreningen. Förhandlingar, 1924. Bd. 46, p. 418-38, illus., map)

Physical and chemical properties of rock samples collected at various localities on the Kamchatka Peninsula by the Swedish Expedition to Kamchatka, 1920-1922.

Copy seen: DLC.

4235. DUROCHER, J. Mémoire sur la limite des neiges perpétuelles, sur les glaciers du Spitzberg comparés à ceux des Alpes, sur les phénomènes diluviens, et les théories ou on les suppose produits par des glaciers. (*In*: Martins, C. F., and others. Voyages de la Commission Scientifique du Nord, en Scandinavie, en Laponie, au Spitzberg, et aux Ferøe, pendant les années 1838, 1839, et 1840, sur la corvette la Recherche. Géographie physique (etc.) 1846. Div. 6, t. 1, pte. 2, p. 237-408, fold. diagr.) *Title tr.*: Memoir on the limit of perpetual snow on the glaciers of Spitsbergen compared with those of the Alps; on the diluvial phenomena,

and the theories according to which one attributes their origin to glaciers.

The author visited the glaciers of the west coast of West Spitsbergen, 1938-39, during the Scientific Commission of the North expeditions on the *Recherche*. This study derives from glaciological knowledge of the period and from observations of snow limits made during the voyages.

Contents tr.: Pt. 1. Perpetual snow. Mean and summer temperature variations and snow limits. Accidental causes and influences on elevation of perpetual snow: wind action, summit altitudes, extent of exposure and massifs, nature of the terrain. General causes determining zones of snow; terrestrial heat, rain, solar radiation, air contact, radiation (rocks, atmosphere and cosmic) and evaporation. Lower limit of snow on Bear Island. Sketch of polar climate. Observations on the snow limit curve.

Pt. 2. Spitsbergen glaciers compared with those of the Alps. (Disposition, formation, growth, form, crevasses, progression, moraines, and color of the ice).

Pt. 3. Observations on diluvial phenomena and objections to theories attributing their origin to glaciers. (Concerns the European area).

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4236. DUROCHER, J. Voyages de la Commission Scientifique du Nord en Scandinavie, en Laponie, au Spitzberg et aux Ferøe, pendant les années 1838, 1839 et 1840, sur la corvette la Recherche. Géologie, minéralogie, métallurgie et chimie. Paris, A. Bertrand, 1843-55. 2 p. l., 482 p. (in 2 v.) Atlas of 11 plates incl. 2 fold. maps. (France. Commission Scientifique du Nord. Voyages de la Commission Scientifique du Nord en Scandinavie (etc.) Div. 5) *Title tr.*: Voyages of the Scientific Commission of the North to Scandinavia, Lapland, Spitsbergen and The Faeroes, during 1838-40, in the corvette la Recherche. Geology, mineralogy, metallurgy and chemistry.

Contains in pt. 1 (*pub.* 1843) a study of diluvial phenomena in northern Europe with chapters on northern Norway and Lapland.

Pt. 2 (*pub.* 1855). Report on the author's observations in 1839-40 with the Commission, and in 1845 when he studied the central parts of Scandi-

navia. An orographic sketch of Scandinavia, Finland and West Spitsbergen; description of the primitive rocks, metals and mines of Scandinavia and Finland, including the copper mines of Alten Fjord region, northern Norway; and a brief description of the geology of northwestern West Spitsbergen.

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4237. DURRELL, W. H. [Quebec Labrador iron ore development] (Canadian surveyor, Apr. 1949. v. 9, no. 12, p. 11-15)

A luncheon address by the general manager of the Labrador Mining and Exploration Co. Ltd., on aerial mapping, ore deposits, and transportation problems of the iron ore development on the Labrador-Quebec boundary at 55°N. 67°W.

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4238. DUSÉN, PER KARL HJALMAR, 1855-1926. Beiträge zur Flora der Insel Jan Mayen. Stockholm, P. A. Norstedt, 1900. 16 p. (Svenska vetenskapsakademien. Handlingar. Bihang, bd. 26, afd. 3, no. 13) *Title tr.:* Contributions to the flora of Jan Mayen.

Lists, with localities, of vascular plants and mosses (including description of one new species), collected during the Swedish Greenland Expedition, 1899.

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4239. DUSÉN, PER KARL HJALMAR, 1855-1926. Beiträge zur Laubmoosflora Ostgrönlands und der Insel Jan Mayen. Stockholm, P. A. Norstedt, 1901. 71 p. 3 plates, map. (Svenska vetenskapsakademien. Handlingar. Bihang, bd. 27, afd. 3, no. 1) *Title tr.:* Contributions to the moss flora of East Greenland and Jan Mayen.

List, with synonymy and references to literature, localities, remarks and some descriptions, of mosses collected during the Swedish Expedition to northeast Greenland, 1899; with descriptions of stations.

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4240. DUSÉN, PER KARL HJALMAR, 1855-1926. Några viktigare växtfynd från nordöstra Grönland. (Botaniska notiser, 1901, p. 73-76). *Title tr.:* Some important plants found in northeastern Greenland.

Contains a list of twenty-five plants, including description of *Saxifraga oppositifolia* var. *nathorsti* n. var., col-

lected by the Swedish Expedition of Prof. A. G. Nathorst in northeastern Greenland (70°-75°N.) in 1899.

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4241. DUSÉN, PER KARL HJALMAR, 1855-1926. Om kartläggningen af Kejsar Frans Josefs Fjord och Konung Oscars Fjord. (Ymer, 1900. Årg. 20, p. 229-36) *Title tr.:* On the mapping of Kaiser Franz Joseph Fjord and King Oscar Fjord.

Discussion of methods used, and of the mapping of Franz Joseph Fjord and King Oscar Fjord regions during the Swedish Expedition to northeast Greenland, 1899.

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4242. DUSÉN, PER KARL HJALMAR, 1855-1926. Zur Kenntnis der Gefäßpflanzen Ostgrönlands. Stockholm, P. A. Norstedt, 1901. 70 p., 5 plates, map (Svenska vetenskapsakademien. Handlingar, Bihang, afd. 3, no. 3) *Title tr.:* Contributions to the knowledge of the vascular plants of East Greenland.

List, with localities and remarks, of vascular plants collected on the east coast of Greenland (70°-75°N.) during the Swedish Expedition to Northeast Greenland, 1899.

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4243. DUSHECHKIN, V. I. Olen'i past-bishcha v Kharaulakhskikh gorakh (Iakutiia). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 63, p. 209-243, map) *Title tr.:* Reindeer ranges in the Kharaulakh mountains (Yakutia).

Description of types of tundra and their vegetation, prepared for the Reindeer Dept. of the Arctic Institute of U.S.S.R., 1934.

Contents tr.: 1. Surface features. 2. Rivers and lakes. 3. Soil cover. 4. Climate. 5. General description of the vegetation. 6. Use of reindeer pastures by the local inhabitants. 7. Plant associations and their regional distribution. 8. The regions and their characteristics (with map). 9. Conclusion.

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4244. DUSHECHKINA, O. Ia. Glubokovodnye gidrologicheskie nabludeniiia ekspeditsii na "Malygine" letom 1932 g. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 34, p. 25-30, tables, diagrs.) *Title tr.:* Deep sea observations of the Malygin expedition in the summer, 1932.

Contains discussion and data of serial observations (surface to bottom) of temperature, salinity and alkalinity, at seven stations in the waters just north of Franz Josef Land, Aug. 31-Sept. 2, 1932. Summary in German.

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4245. DUSTAN, ALAN G. A trip into the Mackenzie Basin. (Agricultural Institute review, Jan., 1947. v. 2, p. 12-17)

Account by a member of the Canadian Dept. of Agriculture's Division of Entomology, of an air trip in July 1946, from Edmonton to Aklavik, visiting various settlements along Mackenzie River. Includes brief, general and informative notes on the waterways, people, settlements, dogs, climate, and gardens and farms.

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4246. DUTILLY, ARTHÈME A. Bibliography of bibliographies on the Arctic. Washington, [1945] 47 p. sketch map, diagr. (Catholic University of America. Publication no. 1B)

Alphabetical list of about five hundred fifty catalogs, bibliographies, and other publications with bibliographic sections, of (or including) works on the Arctic.

Appendices: 1. Arctic sectors and districts. (Diagram of geographic classification of the Bibliography.)

2. Prominent names in arctic explorations. (List of vessels, with names of explorers and dates of expeditions.)

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4247. DUTILLY, ARTHÈME A. A bibliography of reindeer, caribou and musk-ox. Contract W44-109-qm-1297. Washington, 1949. x, 462 p. (U. S. Quartermaster Corps. Military Planning Division. Report no. 129) Mimeographed. Issued by U. S. Dept. of the Army, Office of the Quartermaster General, Military Planning Division, Research and Development Branch, Environmental Protection Section.

"Will supplement the more general 'Arctic Bibliography' which is being compiled by the Arctic Institute of North America under sponsorship of the Office of Naval Research."

List of two thousand four hundred and twenty-two papers in periodicals and documents, books, and references to sections of books. Non-English titles

are given in English and many items are annotated. Includes an index and guide to the periodicals, etc., glossary of vernacular names for the animals, list of scientific names for the various species (including extinct and fossil species) and indication of east-west range of each species and variety.

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4248. DUTILLY, ARTHÈME A. A list of insects of the Mackenzie River Basin. (Canadian field-naturalist, Mar.-Apr. 1946. v. 60, p. 35-44)

Based on collections made by Father Dutilly of Catholic University of America, during botanical collecting trips, Chipewyan to Aklavik, 1934 and 1940. A list with localities of one hundred twenty-eight species (also one hundred two undetermined).

Copy seen: DLC.

4249. DUTILLY, ARTHÈME A. Le "Pie XI" des Esquimaux. Quebec, Imprimerie Provinciale Enr., 1936. 190 p. incl. front. (port.) illus., 11 plates incl. map. *Title tr.:* The Pius XI of the Eskimos.

Account of a cruise in the schooner *Pius XI*, July-Aug. 1933, from Nova Scotia northward along the coast of Labrador, through Hudson Strait, to Chesterfield Inlet, Eskimo Point and Churchill on Hudson Bay. The vessel, constructed for the Oblates of Mary Immaculate, was delivered to their mission for use in Hudson Bay. Description of the vessel is included.

Copy seen: CaTU; NNStef.

4250. DUTILLY, ARTHÈME A., and ERNEST LEPAGE. Coup d'oeil sur la flore subarctique du Québec de la Baie James au Lac Mistassini. (Naturaliste canadien, 1945-47. v. 72, p. 185-224, 266-88; v. 73, p. 419-35; v. 74, p. 43-60, 66-78, 177-88, 207-224, 250-72, illus., sketch map, sketch map diagrs.) Also issued as separate reprint (ii, 170 p. illus.) Contribution of the Arctic Institute, the Catholic University of America, No. 1F. Washington, D. C., 1948. *Title tr.:* Survey of subarctic flora of Quebec from James Bay to Lake Mistassini.

Results of the authors' field study and collecting trip in July-Aug. 1943 from Moosonee to Rupert River and thence upstream and by portage to Lake Mistassini. Includes a journal of

the trip with notes on physical features, vegetation, weather, etc.; and an annotated list with localities of the algae, fungi, ferns and flowering plants. For report on the lichens and bryophytes, see Lepage, E. *The lichen and bryophyte flora* [etc.], 1945.

Copy seen: DA; DSI-M.

4251. DUTILLY, ARTHÈME A., and ERNEST LEPAGE. Retracing the route of Michaux's Hudson's Bay journey of 1792. (Revue de l'Université d'Ottawa, jan.-mars 1945. v. 15, p. 88-102)

The authors traveled in the summer of 1943 from James Bay by Rupert and Marten Rivers to Lake Mistassini, the route explored by the botanist André Michaux, in 1792. They give here an account of their canoe trip, an analysis of Michaux's notes concerning his route, and a description of the rivers, lakes, and vegetation.

Copy seen: CaMAI; CaO.

DUTILLY, ARTHÈME A., *see also* Feustel, I. C., & others. Properties soils N. American arctic regions. 1939.

DUTILLY, ARTHÈME A., *see also* Lynge, B. Contribution to lichen flora, Canadian Arctic. 1939.

DUTILLY, ARTHÈME A., *see also* Steere, W. C. Bryophyta of Canadian Arctic. 1941.

DUVALL, ALLEN J., *see* Jackson, H. T. H., & others. Literature on natural history of Alaska & Canada. 1949.

DUVALL, CHARLES RAYMOND, 1869- , *see* Hubbard, T. H., & others. To students geographic position of Camp Jesup & N. Pole. 1913.

DUVALL, CHARLES RAYMOND, 1869- , *see* Sverdrup, H. U. Magnetic, atmospheric-electricity & aurora (*Maud* Exped. 1918-25). 1927.

4251A. DVALY, M. F. Neftiánye mestorozhdeniia Kamchatki. (International Geological Congress. 17th, Moscow and Leningrad, 1937. Trudy XVII sessii, 1939. T. 4, p. 421-22) *Title tr.*: The oil fields of Kamchatka. Also published in English with title as above, q.v.

Copy seen: DGS.

4251B. DVALY, M. F. The oils fields of Kamchatka. (International Geological Congress. 17th, Moscow and Lenin-

grad, 1937. Report, 1939. v. 4, p. 399)

Abstract of a paper read before the Congress, noting the geology of various locations where promising seepages or other indications of oil have been observed on Kamchatka Peninsula.

Also published in Russian as his *Neftiánye mestorozhdeniia Kamchatki*, 1939.

Copy seen: DGS; DLC.

DWALY, M. TH., *see* DVALY, M. F.

4252. DWIGHT, JONATHAN. A new species of loon (*Gavia viridigularis*) from northeastern Siberia. (Auk, Apr. 1918. v. 35, p. 196-99)

Copy seen: DSI-M.

4253. DYAKOWSKA, J. Opad pyłków na morzu i u wybrzeży Grenlandii. The pollen rain on the sea and on the coasts of Greenland. (Akademija umiejętności, Krakow. Wydział matematyczno-przyrodniczy. Bulletin international, 1947, pub. 1948. Sér. B: sciences naturelles (1), no. 1-10, p. 25-33, fold. table, sketch map) Text in English.

Results of study of the pollen collected by the Polish Expedition to Greenland 1937, aboard ship en route to Greenland, and at the expedition's main base there. Discussion of tabulated data on tree and non-tree pollen, the distances to which it is carried and percentages of each type of pollen; with remarks on consequent usefulness of pollen analysis as a method for examining older sediments.

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4254. DYAR, HARRISON GRAY, 1866-1929. Lepidoptera. Papers from the Harriman Alaska Expedition. XII. Entomological results (6). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 487-501) Reprinted, 1904, in Ashmead, W. H. Insects, part I. Harriman Alaska series. v. 8, p. 210-27.

List, with synonymy and localities, of seventy-two (including, with descriptions, nine new) species of butterflies and moths from southern and southeastern Alaska.

Copy seen: DLC.

4255. DYAR, HARRISON GRAY, 1866-1929. The mosquitoes [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. C, p. 31-33)

Descriptions of the two species from the arctic coast of Alaska and Northwest Territories.

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4256. DYAR, HARRISON GRAY, 1866-1929. Two new forms of *Cneis*. (Entomological Society of Washington. Proceedings, July 1904. v. 6, p. 142)

Includes a description of *Cneis nahanni* n. sp., a butterfly from the Nahanni Mts., Mackenzie District.

Copy seen: DSI-M.

4257. DYBOVSKIL, BENEDIKT IVANOVICH, 1834-1930, and W. TACZANOVSKI. Liste des oiseaux du Kamtschatka et des Iles Comandores. (Société zoologique de France. Bulletin, 1884, v. 9, p. 145-61) *Title tr.*: List of birds of Kamchatka and the Commander Islands.

List of one hundred sixty-one species observed by Dr. Dybovski during four years' sojourn in the region, with notes on some thirty of the birds.

Copy seen: DSI-M.

DYBOVSKIL, BENEDIKT IVANOVICH, 1834-1930, *see also* Trautvetter, E. R. Plantas quasdam in Insulae Praefectoriis nuper lectas. 1886

4258. DYER, WILLIAM SPAFFORD, 1894-1941. Fire clay deposits of the Moose River (geology and field notes). (Canadian Ceramic Society. Journal, 1932. v. 1, no. 1, p. 32-39)

Contains an "outline of the geology of the fire clays and a description of their occurrences" on the Abitibi, Mattagami, Missinaibi, and Moose Rivers.

Copy seen: DGS.

4259. DYER, WILLIAM SPAFFORD, 1894-1941. Geology and economic deposits of the Moose River basin. (Ontario. Dept. of Mines. Annual report, 1928. v. 37, pt. 6, p. 1-79, illus., 3 plates, fold. map)

Contents: Introduction (transportation, agriculture and climate, water power, forests, game and fish), p. 1-11. Topography, p. 11-14. Stratigraphy and paleontology (including structural geology), p. 15-38. Economic geology (gypsum, lignite and peat, oil and gas possibilities, clay and shale, sand and gravel, limestone, iron ore), p. 39-69. Index (for all pt. 6), p. 121-28.

Appendix: Foerste, A. F. Devonian cephalopods from the Moose River basin, p. 70-76.

Map: No. 37p (scale 1:506,880) Moose River basin, District of Cochrane, showing geologic formations, and economic deposits along the Moose,

French, Abitibi, Mattagami, and Missinaibi Rivers.

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4260. DYER, WILLIAM SPAFFORD, 1894-1941. The lignite deposit at Onakawana, Moose River basin, Ontario. (Canadian Institute of Mining and Metallurgy. Transactions, 1930. v. 33, p. 450-72, 6 fold. diagrs.)

Contents: Progress in exploration (on Abitibi River). Geology of the field. Description of the lignite seam. Quality of the seam. Prospective methods of mining and fields of utility. Logs of drill holes no. 1-50 (showing deposits from the surface to about 200 ft.)

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4261. DYER, WILLIAM SPAFFORD, 1894-1941. Paleozoic geology of the Albany River and certain of its tributaries. (Ontario Dept. of Mines. Annual report, 1929, *pub.* 1930. v. 38, pt. 4, p. 47-60, illus. (incl. map))

Contains notes on the routes and transportation, general features of the country, geologic formations, and the economic possibilities of petroleum and natural gas, clays and stone.

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4262. DYER, WILLIAM SPAFFORD, 1894-1941. Stratigraphy and oil and gas prospects of Moose River basin. (*In:* Hume, G. S. *Oil and gas in eastern Canada*, *pub.* in: Canada. Geological Survey. Economic geology ser., 1932. No. 9, p. 89-103, illus. (map, diagrs.))

Contains description of the formations of the Onakawana lignite field on the Abitibi River, structural basins on Mattagami and Abitibi Rivers, and a discussion of the oil and gas prospects of the region.

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4263. DYER, WILLIAM SPAFFORD, 1894-1941. Stratigraphy and structural geology of the Moose River basin, northern Ontario. (Royal Society of Canada, Transactions, 1931. Ser. 3, v. 25, sec. 4, p. 85-99, fold. sketch map, fold. diagr.)

Description of the formations, based on the log of drill hole "A", made in 1930 to penetrate the sedimentary section, at Onakawana lignite field near the Abitibi River; notes on structural basins, and folds on Mattagami, Abitibi and Moose Rivers.

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4264. DYER, WILLIAM SPAFFORD, 1894-1941, and A. R. CROZIER. Lignite

and refractory clay deposits on the Onakawana lignite field. (Ontario. Dept. of Mines. Annual report, 1933. v. 42, pt. 3, p. 46-87, illus. (incl. map) tables, diagrs. (part fold.))

Contains results of the new drilling (since 1929) in the lignite field on the Abitibi River, (subsequent to those reported in Dyer, W. S. *Lignite deposits of Onakawana*, etc. 1930); detailed description of the geological formations and of the results of glaciation; descriptions of the refractory clay deposits; a bibliography of (the then) published reports on geology and economic resources of the Moose River basin referring to lignite or fire clay. Includes index for all of pt. 3, p. 102-109.

Appendix: Montgomery, R. J. Laboratory classification of refractory clays, p. 79-87. **Copy seen:** DGS.

4265. DYER, WILLIAM SPAFFORD, 1894-1941, and A. R. CROZIER. Refractory clays of northern Ontario. (Canadian Institute of Mining and Metallurgy. Transactions, 1933. v. 36, p. 238-52, illus. (incl. sketch maps))

Contains "a description in summary form of recent information," 1929-1933, on the geology and general characteristics of (1) fire-clay deposits of the Onakawana lignite field (Abitibi River), and (2) the refractory clay deposits of the Missinabi and Mattagami Rivers; includes logs of some of the drill holes. **Copy seen:** DGS.

DYER, WILLIAM SPAFFORD, 1894-1941, *see also* Ontario. Dept. of Mines. Investigations non-metallic mineral resources Ontario, 1928. 1930.

DYER, WILLIAM SPAFFORD, 1894-1941, *see also* Ontario. Dept. of Mines. Investigations non-metallic mineral resources Ontario, 1929. 1931.

4266. DYHRENFURTH, G. O. Bilder aus Alaska. (Die Alpen, Jan. 1940. Bd. 16, p. 1-12, 4 plates, sketch map) **Title tr.:** Pictures from Alaska.

Description of Alaskan mountain ranges from the viewpoint of a mountaineer, with some notes from the author's son's ascent of Mt. St. Agnes (Mt. Marcus Baker) with an American party in the summer of 1938.

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4267. DYLLIS, N. V. O severnoi granitse sibirskoi listvennitsy (*Larix sibirica*

Ledb.) v predelakh evropeiskoi chasti SSSR. (Botanicheskii zhurnal, 1938. T. 23, no. 1, p. 26-32, fold. map) **Title tr.:** On the northern limits of the Siberian larch within the European part of the U.S.S.R.

Contains data on the northern limit of Siberian larch (*Larix sibirica*) in the Arkhangelsk region where this species spreads up to 68°N.; based mostly on literature sources. Summary in English. **Copy seen:** MH-A.

4268. DYLLIS, N. V. Redkolesnye berezniki i bezlesnye ernikovyie zarosli Pechorskoii taigi kak otgoloski landshafta lednikovogo perioda. (Botanicheskii zhurnal, 1939. T. 24, no. 4, p. 314-38, illus., text map) **Title tr.:** Thin birch forests, shrubs and meadows of the taiga of the Pechora region, as the remnants of landscapes of the glacial period.

Contains a geobotanical study of the thin forests, shrubs and herbaceous spots of the Pechora taiga (63°-68°N.); description of plant associations typical for these formations considered as the remnants of the landscapes of the last period of glaciation.

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DYLLIS, N. V., *see also* Leskov, A. I., & others. Materialy k flore Pechorskogo kraia. 1938.

DYMOND, E. G., *see* Carmichael, H., & E. G. Dymond. High altitude cosmic radiation. 1939.

DYMOND, E. G., *see also* Carmichael, H., & E. G. Dymond. Upper air invest. NW. Greenland. 1939.

DYMOND, E. G., *see also* Wordie, J. M. Expedition to North West Greenland & Canadian Arctic 1937. 1938.

4269. DYMOND, JOHN RICHARDSON, 1887- . Atlantic salmon in Ungava Bay. (Canadian field naturalist, Feb. 1941. v. 55, p. 19-20)

Notes on the occurrence of *Salmo Salar* in the rivers flowing into Ungava Bay. **Copy seen:** DLC.

4270. DYMOND, JOHN RICHARDSON, 1887- . Biological and oceanographic conditions in Hudson Bay. 8. The coregonine fishes of Hudson and James Bay. (Canada. Biological Board. Contributions to Canadian biology, 1933. New ser. v. 8, p. 1-12)

Based on collections of white fish and ciscoes made along the Churchill River and shores of Hudson Bay, by the Hudson Bay Fisheries Expedition, 1930, along the east coast of James and Hudson Bays by the Hudson Bay Expedition, 1920, and from the same area and its rivers in 1919. Detailed notes of localities, morphologic characteristics, growth rate, size and date of spawning of three species; with bibliography (10 items). *Copy seen:* DLC; DSI-M.

4271. DYMOND, JOHN RICHARDSON, 1887- . The coregonine fishes of north-western Canada. (Royal Canadian Institute. Transactions, 1943. v. 24, p. 171-232, tables, 2 sketch maps, diagrs.)

Based on specimens in the collections of the Royal Ontario Museum of Zoology, from many rivers and some lakes of Yukon Territory, also from Great Bear, Lesser Slave, and Baker Lakes and a number of rivers in Northwest Territories; with examination of a few Alaska specimens from the U. S. National Museum. A detailed comparative study of the taxonomy, morphology, size, habits and economics of the species of the whitefish family of these waters of Canada, and on the relationship of American and northern Asiatic whitefish; with a bibliography (70 items).

Copy seen: DLC.

4272. DYMOND, JOHN RICHARDSON, 1887- . Fluctuations in animal populations with special reference to those of Canada. (Royal Society of Canada. Transactions, May 1947. Ser. 3, v. 41, sect. 5, p. 1-34)

Discussion of factors in fluctuations, the importance of their study and work then in progress on Canadian animals, including northern regions; with a bibliography (113 items).

Copy seen: DLC.

4273. DYMOND, JOHN RICHARDSON, 1887- . Pacific salmon in the Arctic Ocean. (Pacific Science Congress. 6th, 1939. Proceedings, 1940. v. 3, p. 435)

On *Oncorhynchus keta* in the Lena River, and *O. keta* and *O. gorbuscha* in the Mackenzie River.

Copy seen: DGS.

4274. DYMOND, JOHN RICHARDSON, 1887- , and V. D. VLADYKOV. The distribution and relationship of the salmonoid fishes of North America and north Asia. (Pacific Science Congress.

5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934, v. 5, p. 3741-50, 10 illus., maps)

Describes the distribution of each of ten groups of salmonoid fishes, both fresh- and salt-water forms.

Maps sketch the distribution of each of the ten groups of fishes.

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DYMOND, JOHN RICHARDSON, 1887- , see also Canada. Fisheries Research Board. NW. Canadian fisheries surveys, 1944-45, 1947.

4275. DYMSKII, G. A. Predvaritel'nyi otchet o geologicheskikh rabotakh v Vil'juiskom okruge v 1925-26 g.g. (Srednee i nizhnee techenie r. Vil'juia). (Akademiia nauk SSSR. Komissiiia, po izucheniiu Iakutskoi, Avtonomnoi, Sovetskoi Sotsialisticheskoi, Respubliki. Materialy, 1929. Vyp. 10, p. 179-93)

Title tr.: Preliminary report on geological investigation in the Vilyuy district, 1925-26 (middle and lower Vilyuy River).

Report of a group of the Yakut Expedition of the Academy of Sciences U.S.S.R.

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4276. DYRENKOVA, N. P. Bear worship among Turkish tribes of Siberia. (International Congress of Americanists. 23rd, New York, 1928. Proceedings, 1930. p. 411-40)

Contains some notes on beliefs, legends and practices of the Yuraks (a branch of the Samoyeds) concerning bears.

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4277. DYRING, JOH. Bidrag til kundskaben om Euphrasiernes udbredelse i Norge. (Botaniska notiser, 1898, p. 179-80) *Title tr.:* A contribution to the knowledge of *Euphrasia* distribution in Norway.

Contains data on distribution of eight species and a few forms of herbaceous genus *Euphrasia* in Norway, including four species, one variety and one hybrid occurring in Nordland.

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4278. DZERDZEEVSKII, B. L. K voprosu o potepnenii Arktiki. (Akademiia nauk SSSR. Izvestiia, 1943. Seriiia geograficheskaiia i geofizicheskaiia, no. 2, p. 60-69, 3 sketch charts) *Title tr.:* The question of the warming of the Arctic.

Comparison of weather and ice observations made by the *Fram*, 1893-96,

the ice-floe Drifting Station "North Pole", 1937-38, and the *Sedov*, 1937-40, also of observations recorded at Yakutsk (62°N.), Turukhansk (65°47'N.) and Teriberka (69°09'N.) for intervals 1894-96 and 1937-39; with a bibliography (13 items).

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4279. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . K materialam meteorologicheskikh nablūdenii v ėkspeditsii na l/p "Cheliūskin" i v lagere Shmidta. (In: Shmidt, O. Iu., and Ia. Ia. Gakkel', editors. Nauchnye rezul'taty rabot ėkspeditsii na Cheliūskine i v lagere Shmidta, 1938. v. 1, p. 141-42) **Title tr.:** The meteorological observations made during the expedition of the ice-breaker *Cheliūskin* and in Camp Shmidt.

Some remarks on the organization of meteorological work in the U.S.S.R. and on the *Cheliūskin*, 1934-35.

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4280. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . Meteorologicheskaiā sluzhba ėkspeditsii. (Ėkspeditsiā SSSR na Severnyi poliūs. Trudy Dreifuūshchei stantsii "Severnyi poliūs," pub. 1941-45. T. 2, p. 31-63, 2 plates, tables, diagrs.) **Title tr.:** Meteorological service of the expedition. (U.S.S.R. Expedition to the North Pole. Transactions of the Drifting Station "North Pole")

Contents include: General characteristics of the weather in spring, 1937; the weather on the route Moscow-Matohkin Shar-Rudolph Island and back; weather reconnaissance by planes.

The meteorological régimes of the principal Soviet polar stations between Franz Josef Land and Cape Chelyuskin were analyzed in planning the operation of the expedition. Pressure distribution over the Polar Basin. Aerological observations on Rudolph Island, Franz Josef Land during late winter and early spring 1937 were the bases for making weather forecasts for the start of the expedition and for aviators flying between Moscow and the drifting station.

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4281. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . O raspredelenii atmosfernogo davlēniā nad tšentral'noi Arktikoi. (Meteorologiiā i gidrologiiā, 1946, no. 1, p. 33-38, maps) **Title tr.:** Notes on the distribution of atmospheric pressure over the central Arctic.

The distribution of the mean monthly values of pressure over the Arctic as determined by Baur, Karelin, the author and others, is discussed and their charted representations are compared.

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4282. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . Pogoda v Arktike. (Sovetskaiā Arktika, 1936, no. 1, p. 72-73, illus.) **Title tr.:** The weather in the Arctic.

Remarks on temperatures, winds, cloudiness, storms, etc., in the arctic seas for the navigation period, July-Oct. 1935, with comparative table of temperatures in Kara Sea, 1932-35.

Copy seen: DLC.

4283. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . Sluzhba pogody i ee rabota v Arktike. (Sovetskaiā Arktika, 1935, no. 1, p. 31-34, illus.) **Title tr.:** Weather stations and their work in the Arctic.

Basic principles for the meteorological network of the Northern Sea Route; location of eleven local weather stations projected for construction in 1935.

Copy seen: DLC.

4284. DZERDZEEVSKII, BORIS L'VOVICH, 1898- . Tširkuliatsiā atmosfery v tšentral'nom poliarnom basseine. (Ėkspeditsiā SSSR na Severnyi poliūs, 1937. Trudy Dreifuūshchei stantsii "Severnyi poliūs," pub. 1941-45. T. 2, p. 64-199, plates, tables, diagrs.) **Title tr.:** Circulation of atmosphere in the central polar basin.

A review of literature on atmospheric processes in the Arctic Basin is presented. The distribution of meteorological elements as determined by the observational data of the ice-floe Drifting Station, "North Pole", is compared with that of the *Fram* (1893-96) and the *Maud* (1918-25). Specific synoptic situations (during this and previous expeditions) in which the more complex atmospheric processes have been involved (the generation, movement and deteriorations of fronts and air masses) are analyzed and charted (plates 1-58 p. 427-484). Bibliography (74 items), p. 174-77.

Comment on this work by B. Volovik was published in Royal Meteorological Society. Quarterly journal, April-July, 1946. v. 72, p. 167.

Copy seen: DLC.

4284A. DZERDZEEVSKII, BORIS L'VOVICH, 1898-. *Tsirkuliatsionnye skhemy v troposfere tsentral'noi Ark-tiki*. Moskva-Leningrad, Izd. Akademii nauk SSSR, 1945. 37, [3] p. 28 figs. (diagrs., charts) *Title tr.*: Circulation schemes in the troposphere of the central Arctic.

Discussion of the types of cyclonic activity over the Arctic Basin; a scheme of the atmospheric circulation; and notes on synoptic conditions for flying in high latitudes; based on the meteorological observations of the Drifting Ice-floe Station "North Pole", May 1937-Feb. 1938; with a bibliography (25 items). *Copy seen*: DLC.

4285. DZERDZEEVSKII, BORIS L'VOVICH, 1898-. *Zondazhi atmosfery*. (Sovetskaiâ Arktika, 1935, no. 3, p. 34-37, tables, diagrs.) *Title tr.*: Soundings of the atmosphere.

Discussion of the importance of aerological sounding for weather forecasting, illustrated by results of radiosonde observations at Tikhaya Bay, Cape Zhelaniya, July 8, and Dikson Island, July 7-8, 1935. *Copy seen*: DLC.

4286. DZĬAKOVIKH, N. O. Na reke Konde. (Sovetskaiâ Arktika, 1936, no. 9, p. 47-48, illus.) *Title tr.*: On the Konda River.

Discussion of the timber resources of the Konda River basin (about 61°11'N. 64°E.) in relation to the projected development of Belogorskiy wood combine. *Copy seen*: DLC.

DZIEDZICKI, H., *see* Becker, T., & others. *Diptera*. (Ekspeditšia Kuzne-tsovykh). 1915.

E. B., *see* B., E.

4287. EAGER, WILLIAM L., and W. T. PRYOR. Ice formation on the Alaska Highway. (Public roads, 1945. v. 24, no. 3, p. 55-74, 82, illus., map, diagrs.)

Results of a research project carried on for the U. S. Public Roads Administration in the winter of 1943-44. Discussion of phenomena of icing, occurrence, causes, permafrost as a factor therein, methods of prevention and control. *Copy seen*: CAMAI; DLC.

4288. EAKIN, HENRY MINER, 1883-1936. The Cosna-Nowitna region, Alaska. Washington, U. S. Govt. Print. Off., 1918. 54 p. illus., 8 plates (part fold,

incl. 2 maps, in pocket) diagr. (U. S. Geological Survey. Bulletin 667)

Contains the report of field work, 1915, in the area lying between 63°30'-65°N. 151°-154°40'W. Descriptions of the topography, climate, forests, routes, etc.; the stratigraphy, structure, geologic history and geomorphology, with notes on mineralization, and suggestions concerning the rather unfavorable gold prospecting.

Maps: Reconnaissance geologic and topographic maps contour interval 200 ft., scale 1:250,000, showing the Nowitna and the headwaters of the Cosna, Chitanana, Kuskokwim, North Fork, Titna, Sethkona, Telsitna, Sulukna, and Lost Rivers. *Copy seen*: DGS.

4289. EAKIN, HENRY MINER, 1883-1936. A geologic reconnaissance of a part of the Rampart quadrangle, Alaska. Washington, U. S. Govt. Print. Off., 1913. 38 p. 8 plates incl. 4 fold. maps (2 in pocket). (U. S. Geological Survey. Bulletin 535)

Contains the report on that part of the Yukon-Tanana region lying between the two rivers, west of 150°W., surveyed in 1911. Descriptions of the geography, stratigraphy, and economic geology, with sections on gold mining, 1911, in the Rampart and Hot Springs districts, and mention of tin occurrences.

Maps: Reconnaissance geologic and topographic maps, contour interval 200 ft., scale 1:250,000. *Copy seen*: DGS.

4290. EAKIN, HENRY MINER, 1883-1936. The Iditarod-Ruby region, Alaska. Washington, U. S. Govt. Print. Off., 1914. 45 p. 6 plates (incl. 4 fold. maps) diagr. (U. S. Geological Survey. Bulletin 578)

Report on field work, 1913, in an area of west-central Alaska between the mining settlements on Iditarod River and those on the Yukon at Ruby. Descriptions of the geography, general geology, veins and mineralization, geologic history, and (in detail) the gold deposits of the Iditarod, Innoko, and Ruby districts.

Maps: 1. Reconnaissance map of the lower Yukon and middle Kuskokwim region (contour interval 200 ft., scale 1:500,000). 2. Reconnaissance map. 3. Geologic reconnaissance map of the Iditarod-Ruby region (contour interval 200 ft., scale 1:250,000)

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4291. EAKIN, HENRY MINER, 1883-1936. Tin mining in Alaska. (In: U. S. Geological Survey. Mineral resources of Alaska in 1914. Bulletin, 1915. No. 622, p. 81-94, 2 fold. maps)

Report based on a re-examination in 1914 of part of the York, and Hot Springs districts (in Rampart region), and on data from Geological Survey reports, previously published.

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4292. EAKIN, HENRY MINER, 1883-1936. The Porcupine gold placer district, Alaska. Washington, U. S. Govt. Print. Off., 1919. 29 p. 8 plates (part fold. incl. maps) (U. S. Geological Survey. Bulletin 699)

Results of an examination in 1916, of properties under development, and a study of bedrock and glacial geology related to the formation of the placer deposits in a region of southeastern Alaska, which includes the drainage basins of the westerly headwaters of tributaries to the Chilkat River. Includes mention of iron-ore deposits near Haines.

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4293. EAKIN, HENRY MINER, 1883-1936. The Yukon-Koyukuk region, Alaska. Washington, U. S. Govt. Print. Off., 1916. 88 p. illus., 10 plates, 2 fold. maps (in pocket). (U. S. Geological Survey. Bulletin 631)

Contains a report of the author's field studies in 1913, and other available information on the area 65°N. to the Arctic Circle, 157°-159°W. Description of the relief, drainage, etc., the stratigraphy, structure, geomorphology, and mineral resources (gold and silver).

Maps: Geologic and topographic maps, contour interval 400 ft., scale 1:500,000, showing Yukon, Koyukuk, Melozitna, and lowest reaches of Tanana Rivers.

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EAKIN, HENRY MINER, 1883-1936, see also Smith, P. S., & H. M. Eakin. Geologic reconnaissance southeastern Seward Peninsula. 1911.

EAKIN, HENRY MINER, 1883-1936, see also Smith, P. S., & H. M. Eakin. Shungnak region, Kobuk Valley. 1911.

4294. EARDLEY, ARMAND JOHN, 1901- . Ancient Arctica: reply to remarks. (Journal of geology, May 1949. v. 57, p. 319-20)

Acknowledgement of W. Maync's supplementary remarks to the author's

paper, *Ancient Arctica*, 1948; and note on a more recent addition to knowledge of East Greenland geology.

Copy seen: DGS.

4295. EARDLEY, ARMAND JOHN, 1901- . Ancient Arctica. (Journal of geology, Sept. 1948. v. 56, p. 409-436, illus. (6 sketch maps) 2 fold. maps)

"To the lands and seas of the north polar region of the geologic past the name 'Ancient Arctica' is given." Conclusions based on a survey "of the shields that face and partly surround the arctic sea, of the intra-shield orogenic belts that extend into and under the sea, of the troughs of deposition and orogenic belts of Alaska, and of the topography of the arctic sea floor," viz.:

1. The region is underlain by continental crustal material chiefly of shield character.

2. Appreciable changes have occurred in the distribution of land and water by epeirogenic and orogenic movements of the crust.

3. The present deep basin of the arctic sea began to sink in Carboniferous time.

4. The Alaska-northeastern Siberia region was one of nearly constant land connection during Mesozoic and Cenozoic and probably also during the Paleozoic.

5. The crust of the North Atlantic and Greenland Sea underwent movements in Tertiary time sufficient to provide land bridges for migration of animals and plants.

Includes a note on petroleum possibilities especially in the Canadian Arctic Islands, also a bibliography (28 items).

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4296. EARDLEY, ARMAND JOHN, 1901- . Unconsolidated sediments and topographic features of the lower Yukon valley. (Geological Society of America. Bulletin, Feb. 1938. v. 49, p. 303-341, illus., 8 plates, diags.)

Report of the geologist on an expedition in 1935, by Dr. Frederica De Laguna and the author (sponsored by the University of Pennsylvania Museum), to the lower Yukon valley (Tanana Station to Holy Cross). Descriptions of the bedrock, tableland, meander-belt and re-entrant topography, the distribution and types of sediments, the gravels, and the Yukon

silts (petrography, stratigraphy, origin of tan loam) with a note on late geologic history. *Copy seen:* DGS.

4297. EARDLEY, ARMAND JOHN, 1901- . Yukon channel shifting. (Geological Society of America, Bulletin, Mar. 1938. v. 49, p. 343-357, illus., 6 plates)

Notes on the evidence, rate, and process of channel shifting, based on the author's observations in 1935.

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4298. EAST, BEN. Birds at the "bottom of the bay". (Beaver, Sept. 1938. Outfit 269, no. 2, p. 10-14, illus.)

Popular description of the water birds on the islands and eastern shores of James Bay. *Copy seen:* DSI-M.

4299. EAST, BEN. Leather and meat and oil. (Beaver, Sept. 1939. Outfit 270, no. 2, p. 40-43, illus.)

Account of seal hunting along the east coast of Hudson Bay, of the Eskimos' and Indians' methods of hunting, and use of the seal.

Copy seen: DSI-M.

4300. EASTON, C. Pool-fantasie (half-vergeten bladzijden uit de geschiedenis van het Noordpool-onderzoek). (K. Nederlandsch Aardrijkskundig Genootschap. Tijdschrift, 1921. Reeks 2, D1. 38, p. 80-93, incl. sketch map) *Title tr.:* Polar phantasy (half forgotten pages from the history of north polar research).

Notes on the journeys of Dr. Cook and R. E. Peary, and contemporary public reaction to their reports, as shown in the press.

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4301. EASTWOOD, ALICE, 1859- . Botanical collections. (*In:* Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 270-73)

Based on collections made by Louise A. Boyd on her East Greenland Expedition, 1938, and identified by the author. Tabular list, showing occurrence in eighteen localities between about 72°N. and 74°40'N., of one hundred thirty-four species of ferns and flowering plants.

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4302. EASTWOOD, ALICE, 1859- . A descriptive list of the plants collected by Dr. F. E. Blaisdell at Nome City, Alaska. (Botanical gazette, 1902. v. 33, p. 126-49, 199-299, illus., text map)

Contains a systematic enumeration of one hundred seventy species (five species and two varieties new) collected in the summer of 1920.

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4303. EATON, ALFRED EDWIN. A list of plants collected in Spitzbergen in the summer of 1873, with their localities. (Journal of botany, 1876. v. 14, p. 41-44)

Contains a list of sixty-four flowering plants with a few ferns and algae collected in Spitsbergen in 1873 by B. Leigh Smith on his third trip to the Greenland Sea.

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EATON, ALFRED EDWIN, see also Miers, E. J. List of Crustacea Spitzbergen 1873. 1877.

EATON, ALFRED EDWIN, see Petersen, E. Bidrag til en fortegnelse over arktisk Norges neuropterfauna. 1908.

EATON, D. I. V., see Low, A. P. Report on explorations in Labrador Peninsula, 1892-1895. 1896.

4304. EATON, STEPHEN W. Bird distribution along the Peace, Slave, and Little Buffalo Rivers in Canada. (Auk, July 1948. v. 65, p. 345-52, plate, sketch map, table)

Results of observations made during a canoe trip, June-July 1940, from Peace River, Alberta to Great Slave Lake. Notes on seven species, and tables showing distribution of over eighty species, of which thirty-one are recorded for the Little Buffalo River, Mackenzie District.

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4305. EAVENSON, HOWARD NICHOLAS, 1873- . Map maker & Indian traders; an account of John Patten, trader, arctic explorer, and map maker; Charles Swaine, author, trader, public official, and arctic explorer; Theodorus Swaine Drage, clerk, trader, and Anglican priest. [Pittsburgh] University of Pittsburgh Press, 1949. xvii, 275 p. 2 fold. maps, facsimis.

Account, based on considerable research in archives and libraries in the U. S., Canada, England, and France, of the life and various activities of Patten, Swaine, and Drage, including note on two voyages in the *Argo* from Philadelphia to Labrador (en route to search for the Northwest Passage)

Mar.-Nov. 1753, and May-Oct. 1754, with Swaine in command and Patten aboard as draftsman and mineralist; also on Swaine's participation in a voyage to Hudson Bay in 1746-47. Discusses Swaine's probable authorship of anonymous books *The great probability of a Northwest Passage*, 1768 (which includes an account of the 1753 voyage), and *An account of a voyage for the discovery of a North-West Passage by Hudson Straights* . . . 1746 and 1747, in the ship *California*, 1768, the latter having been attributed erroneously to Drage. Appended are texts of supporting documents and extensive bibliography of sources.

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4306. EBBLEY, NORMAN. Oil seepages on the Alaskan arctic slope. (Mining and metallurgy, Sept. 1944. v. 25, p. 415-19, illus., sketch map)

Based on a U. S. Bureau of Mines investigation in 1943, of the north coast of Alaska from Cape Simpson, eastward to the boundary, north of the Brooks Range. Descriptions of the country, natives, living conditions, clothes, and transportation, followed by notes on areas where seepage occurs.

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4307. EBBLEY, NORMAN, and WILFORD S. WRIGHT. Antimony deposits in Alaska. [Washington] 1948. 41 p. 23 figs. on 25 plates (diagrams, 7 sketch maps). (U. S. Bureau of Mines. Report of investigations. 4173)

Contains description of mines and deposits, locations, character of the ore, results of sampling and analyses, and general geology. The more important deposits described here, occur in the Kantishna region (63°43'30"N. 150°24'W.) central Alaska, My Creek (64°14'N. 143°18'W.) in the headwater region of Fortymile River, Tok River (63°15'N. 143°48'W.), and Caamaño Point (55°31'N. 131°59'W.) Southeast Alaska.

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4308. EBBUTT, FRANK, 1892-. The Gravel River Indians. (Canadian geographical journal, Apr. 1931. v. 2, p. 311-21, illus., 2 sketch maps)

The author spent three seasons in the Mackenzie basin on reconnaissance work with the Canadian Geological Survey. He describes here the customs of the Indians living along the Gravel

(i.e. Keele) River (a left tributary of the Mackenzie at about 64°24'N. 124°50'W.), their migrations from the Mackenzie Mts. to Mackenzie River, hunting and trapping, boats, etc. Includes descriptive remarks on the river also.

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4309. (Not used.)

4310. EBERLIN, PETER, 1862-. Antikritiske bemaerkninger om den grønlandske fanerogamvegetations historie. (Geografisk tidsskrift, 1893-94, Kjøbenhavn, 1894. Bd. 12, p. 25-32)

Title tr.: Anticritical remarks on the history of Greenland's phanerogam vegetation.

Challenge of Nathorst's *Kritiska anmärkningar om den grønlandske vegetationens historia*, 1890, q.v., in support of Warming's theories on the phytogeography and paleobotany of Greenland.

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4311. EBERLIN, PETER, 1862-. Blomsterplanterne i dansk Østgrønland. En plantegeografisk studie. (Arkiv for matematik og naturvidenskab, 1888. Bd. 12, p. 325-38, 384-86) *Title tr.:* Flowering plants in Danish East Greenland. A phytogeographic study.

Results of the author's observations and collections during the East Greenland Expedition, 1883-85, to King Frederick VI's Coast and King Christian IX's Land. A tabular list, with regional location, of one hundred sixty-one species, and a discussion of dispersal of plants in Greenland relative to the ice age, and generally. Supplementary note (p. 384-86) makes corrections and lists eighteen additional species.

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4312. EBERLIN, PETER, 1862-. Den geologiske udvikling af Grønlands indlandsis. (Geografisk tidsskrift, 1893-94, Kjøbenhavn, 1894. Bd. 12, p. 33-36)

Title tr.: The geological development of Greenland's inland ice.

Theories on the geological history of Greenland's inland ice and on changes occurring in geological times; with remarks on probable time of the great ice ages in Greenland.

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4313. EBERLIN, PETER, 1862-. Notitser om Grønland. (Geografisk tidsskrift, Kjøbenhavn, 1888. Bd. 9, p. 18-25) *Title tr.:* Notes on Greenland.

Contains (1) outline of hot springs on Unartok Island, Julianehaab District, as described in literature on Greenland from the 14th century to 1778, with conclusions by the author.

2. Identification of "Reng" (an island mentioned in a Norse description of Greenland) as the present Akia in the Julianehaab District.

3. Discussion of pieces of bell metal found in West Greenland and the probable use of church bells and iron by the Norsemen. *Copy seen:* DLC.

4314. EBERLIN, PETER, 1862- . Sundet, der i gamle dage skal have gaaet tvaers over Grønland. (Geografisk tidsskrift, København, 1888. Bd. 9, p. 73-75) *Title tr.:* The sound which in earlier days ran across North Greenland.

Presentation of the theory that the "sound" which according to old literature and Eskimo tales connected East and West Greenland in earlier times, is the sea route along northwest Greenland through the Smith Sound-Robeson Channel. *Copy seen:* DLC.

EBERLIN, PETER, 1862- , *see also* Knutsen, H., & P. Eberlin. Om de geologiske forhold i dansk Østgrønland. 1889.

EBERLIN, PETER JOHAN ALEXEJ CONRADT, see EBERLIN, PETER, 1862- .

4315. EBERT, W. J. Wintering breeding ewes in Alaska. College, Alaska, 1945. 8 p. (Alaska. Agricultural Experiment Stations. Experiment station circular, no. 6)

Report on experiments conducted at Matanuska station, using Cook Inlet tide flat hay (among others). Includes comment, "this series of feeding tests definitely established that breeding ewes can be wintered successfully on locally-grown roughages."

Copy seen: DA.

ECKENER, HUGO, 1868- , *see* Ber-son, A. J. S., & others. Arktisfahrt d. Luftschiffes Graf Zeppelin, 1931. 1933.

ECKROTH, KATHRYN, see Cutting, P. J. Hell in God's country. 1943.

4316. EDDY, JOHN WHITEMORE, 1872- . Hunting on Kenai Peninsula, and Observations on the increase of big game in North America. [Seattle]

Lowman & Hanford Co., 1924. 96 p. incl. front., illus. 25 plates.

Narrative of a trip made in 1924.

Copy seen: DLC; NNSf.

4317. EDDY, JOHN WHITEMORE, 1872- . Hunting the Alaska brown bear; the story of a sportsman's adventure in an unknown valley after the largest carnivorous animal in the world. New York, London, G. P. Putnam's Sons, 1930. 2 p. l., iii-xv, 253 p. front., 1 illus., 36 plates, ports., 2 fold. maps, maps on lining-papers.

Account of a trip on Alaska Peninsula; with informative chapter on behavior of the brown bear when hunted.

Copy seen: DLC; NNSf.

4318. EDELMAN, C. H. Das Ziel der Sanduntersuchungen auf Grönland. (In: Naturforschende Gesellschaft Schaffhausen. Grönland 1939. Pub. in its: Mitteilungen, 1940, pub. 1939. Bd. 16, p. 217-20) *Title tr.:* The aim of sand studies on Greenland.

Brief discussion of geologic problems which sand studies can help solve.

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4319. EDEL'-SMOL'NIKOV. O profilaktike protiv tsyngi. (Sovetskaya Ark-tika, 1936, no. 10, p. 109-110) *Title tr.:* On prophylaxis against scurvy.

Discussion of articles in diet (fresh meat, berries, marine algae, and some conifers) which should be used as antidotes to scurvy. *Copy seen:* DLC.

4320. EDEL'STEIN, IAKOV SEMENOVICH. Ustroistvo poverkhnosti i osnovnye geomorfologicheskie osobennosti severnykh raionov SSSR. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaya konferentsiia, 1st, Moskva, 1935. Geologiya i poleznye iskopaemye Severa SSSR. Trudy, 1935. T. 1. Geologiya, p. 91-128) *Title tr.:* Surface structure and main geomorphological features of the northern regions of the U.S.S.R.

Describes the general characteristics of the topography of Kola Peninsula, Pay-Khoy, northern European and west Siberian lowlands, Taymyr Peninsula, the table land between the basins of Yenisey and Lena Rivers, northeastern Yakut A.S.S.R. and the Chukotsk region. Also remarks on characteristics of the northern coastal strip and islands of the Soviet Arctic; the extent of knowledge of these regions and prob-

lems for further investigations. Bibliography (9 items).

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4321. EDELSTEIN, JULIUS C. Alaska comes of age. New York, San Francisco [etc.] American Council, Institute of Pacific Relations, 1942. 62 p. illus. (incl. 2 maps 1 double-face). (Far Eastern pamphlets, no. 8)

Brief sketch of the economic geography and political status, with remarks on Alaska as a base of operations in World War II.

Copy seen: DLC; NNStef.

4322. EDEMSKII, M. B. Kanin. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1931. T. 63, vyp. 2-3, p. 196-245, illus., diagrs.) *Title tr.:* Kanin.

Contains a popular account of the author's trip to the southeastern portion of Kanin Peninsula. Includes data on the terrain, climate, geography, native Russian population and their mode of life, occupations, etc. The second section deals with the culture of the Samoyeds of this region, their use of the reindeer for transportation and food, their distribution, physical type, dwellings, religion, folklore, and burial grounds.

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4323. EDEMSKII, M. B. Kaninskaiia geologicheskaiia ekspeditsiia Instituta po izucheniiu Severa i Akademii nauk SSSR v 1930 g. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1933. T. 12, p. 117-82, illus.) *Title tr.:* The Kanin Geological Expedition of the "Institute for the Scientific Exploration of the North" and the Academy of Sciences of the U.S.S.R. in 1930.

Contains general information on the work and itinerary of this expedition along the east coast of Kanin Peninsula, and description of the surface geology, the Quaternary deposits, and outcrops of older formations exposed along the shore and at river mouths, with lists of fossils which identify formations; and with a bibliography (38 items). Summary in English.

Copy seen: DLC.

4324. EDEMSKII, M. B. O geologicheskikh rabotakh v basseynakh rek Pinegi i Kuloia v 1923-1926 gg. Moskva, 1928. 65, [1] p., illus., map, diagrs. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 41) *Title tr.:* The geological investigations

on the Rivers Pinega and Kuloi (1923-1926).

Results of the author's work with the Northern Scientific and Economic Expedition. General geological description of Permian and Post-Pleistocene deposits of the Pinega (right tributary of the Northern Dvina at about 64°07'N. 39°58'E.) and Kuloi (flowing north into Barents Sea at about 66°N. 43°40'E.) River regions in Archangel province. Bibliography (31 items). Summary in English. *Copy seen:* DGS; DLC.

4325. EDEMSKII, M. B. Samoedy i olenevodstvo v Kuloiskom krae Arkhangel'skogo okruga. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1930. T. 62, vyp. 1, p. 33-36) *Title tr.:* The Samoyeds and reindeer breeding in the Kuloi region, Archangel province.

Contains a short note on the reindeer breeding by the Samoyeds of the Archangel region. Data on distribution of the Samoyeds, their migratory mode of life, and influence on the Russian population are given.

Copy seen: DLC.

EDEMSKII, M. B., *see also* Frederiks, G. N. Fauna permskikh otlozhenii poluoostrova Kanina. 1934.

4326. EDEN, CHARLES HENRY, 1839-1900. Frozen Asia: a sketch of modern Siberia. Together with an account of the native tribes inhabiting that region. London, Society for Promoting Christian Knowledge, [1879] iv, 5-320 p. fold. map.

Contains brief geographic and natural history description of the main divisions of Asia including the tundras; followed by an historical sketch, sections on the Ostyaks, Voguls, Samoyeds, Tungus, Yukaghirs, Chukchis, Koryaks, and Kamchadals, and closing with remarks on the folklore, industry, and exploration.

Copy seen: NNStef.

4327. EDGAR, ALFRED DOUGLAS, 1898- , and DON L. IRWIN. Potato storage in Alaska's Matanuska valley. [Washington, U. S. Govt. Print. Off.] 1948. 25 p. illus., diagrs. (Alaska. Agricultural Experiment Stations. Experiment station circular. No. 7)

Description of the principal types of storage, noting their good and bad features: warehouse storage; pit and house-basement; earth-covered and sawdust-covered quonset hut and concrete structure.

Copy seen: DA.

4328. EDINGTON, ARLO CHANNING, 1890- , and Mrs. CARMEN BALLE EDINGTON. Tundra, romance and adventure on Alaskan trails, as told by former Deputy United States Marshal Hansen to the Edingtons. New York, London, Century Co. [c1930] xvi, 334 p.

Hearty reminiscences, of which accuracy in some factual details recorded in connection with northern Alaska and the Eskimos has been questioned.

Copy seen: DLC; NNStef.

EDINGTON, Mrs. CARMEN BALLE, 1894- , see Edington, A. C., & Mrs. C. B. Edington. Tundra, romance & adventure. 1930.

EDLEFSEN, NIELS EDLEF, 1893- , see Anderson, A. B. C., & others. Soil-moisture conditions frozen soils. 1942.

4329. EDLUND, ERIK, 1819-1888. Om isbildningen i hafvet. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1863. Årg. 20, p. 349-81) *Title tr.*: The formation of ice in the sea.

Copy seen: DLC.

4330. EDLUND, O. Meteorologische und aerologische Beobachtungen der Norwegischen Novaja-Semlja-Expedition im Sommer 1921, nebst einer Übersicht über das Klima von Novaja Semlja. Oslo, 1928. 55 p. illus., tables, diagrs. (maps). (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 39) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania). *Title tr.*: Meteorological and aerological observations of the Norwegian Novaya Zemlya Expedition in the summer 1921; with a survey of the climate of Novaya Zemlya.

A tabulation and discussion of daily meteorological observations and sea surface water temperatures three times daily; and the results of ten individual pilot balloon ascents. The climatological sketch which forms the second portion of the discussion is based largely on the observations at Malye Karmakuly. The "bora" wind of Novaya Zemlya is described. Bibliography, p. 54-55.

Copy seen: DLC.

4331. EDLUND, O. Die Trift des "Conrad Holmboe" im Ostgrönlande, August-Oktober 1923. (Annalen der Hydrographie und maritimen Meteorolo-

gie, Sept. 1924. Jahrg. 52, p. 207-10, fold. chart) *Title tr.*: The drift of the *Conrad Holmboe* in the ice off East Greenland, August-October 1923.

Account of the speed and direction of the drift from about 74°N. southward along the Greenland coast to about 68°30'N. The Norwegian Geophysical Institute at Tromsø operates stations at Jan Mayen and Mygbugten (East Greenland). The voyage, here described, of the Institute's motor cutter was undertaken in order to transport personnel to East Greenland.

Copy seen: DLC.

EDMOND, CHARLES, see CHOJECKI, KAROL EDMOND, 1822-1899.

EDMONDS, J. M., see Fleming, W. L. S., & J. M. Edmonds. Geology (etc.) A. New Friesland. 1934.

EDMONDS, J. M., see Fleming, W. L. S., & J. M. Edmonds. Hecla Hoek rocks Spitsbergen. 1941.

EDMONDS, J. M., see Gatty, O., & others. Some types polygonal surface markings Spitsbergen. 1942.

4332. EDSTRÖM, AXEL. Två århundraden av dansk arbete på Grönland. (Ymer, 1923. Årg. 43, p. 393-432, illus.) *Title tr.*: Two hundred years of Danish work on Greenland.

Discussion of Greenland's physical geography, geology, climate, plant and animal life, the Eskimo culture, administration, population, economics and history.

Copy seen: DLC.

4333. EDWARDS, B. G. Developing and operating a mine on the Canadian tundra. (Canadian mining journal, Mar.-July 1944. v. 65, p. 135-146, 214-227, 300-312, 380-396, 467-478, illus., map, diagrs.)

Description (in detail) of the Sachigo River Exploration Co.'s gold mining operation in northwesternmost Ontario. Includes notes on geology, mining methods, production, power and machinery, camp construction and housing, employee relations, and financing.

Copy seen: DGS.

4334. EDWARDS, CHARLES LINCOLN, 1863- . The holothurians of the north Pacific coast of North America collected by the Albatross in 1903. (U. S. National Museum. Proceedings, 1908. v. 33, p. 49-68, illus.)

Descriptions of eleven (including one new) species of sea-cucumbers, with synonymy, location of specimens collected from the *Albatross*, and notes of habitats throughout arctic waters and elsewhere. **Copy seen:** DLC.

4335. EDWARDS, DELTUS MALIN, 1874-. The toll of the arctic seas. New York, H. Holt & Co., [etc. etc.] 1910. x, 449 p. 24 plates, incl. ports., 4 maps (1 fold.) Issued also in London by Chapman & Hall, Ltd. 1910.

Stories of seventeen of the Arctic's most famous explorers from Barendsz to Peary, and the loss of lives suffered in the course of their work.

Copy seen: DLC; NNS Stef.

4336. EDWARDS, FREDERICK WALLACE, 1888-. Diptera Nematocera from East Greenland. (Annals and magazine of natural history, Apr. 1935. Ser. 10, v. 15, p. 467-73)

List, with localities, of thirty-four (including, with descriptions, three new) species of insects collected by the Cambridge East Greenland Expedition, 1933, at Hurry Inlet (Jameson Land and Liverpool Land) and Rosevinger Bay, Scoresby Sound, and by the Watkins East Greenland Expedition, 1932-33, in the Lake Fiord region, (66°17'N.) **Copy seen:** DSI-M.

4337. EDWARDS, FREDERICK WALLACE, 1888-. Diptera (Nematocera) from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. (Annals and magazine of natural history, Sept. 1925, Ser. 9, v. 16, p. 354-56) Issued also as Oxford University, *Spitsbergen papers*, 1929. v. 2, no. 15.

List, with localities and some descriptive notes, of sixteen species of these insects from West Spitsbergen.

Copy seen: DSI-M.

4338. EDWARDS, FREDERICK WALLACE, 1888-. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 16. Diptera Nematocera (excluding Tipulidae). [Stockholm, 1928] 3 p. (Arkiv för zoologi. Bd. 19A, no. 31) **Title tr.:** Entomological results of the Swedish Kamtschatka Expedition, 1920-22. 16.

List, with localities and a few notes, on twenty species of insects, including four mosquitoes. **Copy seen:** DSI-M.

4339. EDWARDS, FREDERICK WALLACE, 1888-. A new *Trichocera* from Siberia (Diptera Polyneura). (Annals and magazine of natural history, May 1920. Ser. 9, v. 5, p. 431-32)

Full description of a male mosquito from the Yenisey River region, 69°05'N.

Copy seen: DSI-M.

4340. EDWARDS, FREDERICK WALLACE, 1888-. On the nematoceros Diptera of Jan Mayen Island. (Annals and magazine of natural history, Feb. 1923, Ser. 9, v. 11, p. 235-40)

List of the fourteen species of insects then known from Jan Mayen, with notes on habitats and distribution.

Copy seen: DSI-M.

4341. EDWARDS, FREDERICK WALLACE, 1888-. Oxford University Expedition to Hudson's Strait, 1931: Diptera Nematocera. With notes on some other species of the genus *Diamesa*. (Annals and magazine of natural history, Dec. 1933. Ser. 10, v. 12, p. 611-20)

List, with localities and some notes, of twenty-four (including, with descriptions, six new) species of insects from Akpatok Island. **Copy seen:** DSI-M.

4342. EDWARDS, FREDERICK WALLACE, 1888-. Oxford University Greenland Expedition, 1928. Diptera Nematocera. (Annals and magazine of natural history, Dec. 1931. Ser. 10, v. 8, p. 617-18) Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934, no. 16.

Contains a list, with notes on habitat, of nineteen species of insects from 30 feet and 2000 feet elevation in the region of Godthaabs Fiord.

Copy seen: DLC.

4343. EDWARDS, FREDERICK WALLACE, 1888-. Results of the Merton College Expedition to Spitsbergen, 1923.-Diptera Nematocera. (Annals and magazine of natural history, July 1924. Ser. 9, v. 14, p. 162-74) Issued also as Oxford University, *Spitsbergen papers*, 1929. v. 2, no. 14.

List, with localities, discussion of distribution, and synonymy, of twenty-six species of insects, and a list of corrections for thirteen names which appeared in the author's paper *Results of the Oxford University Expedition . . . 1921, No. 14, 1922, q.v.*

Copy seen: DSI-M.

4344. EDWARDS, FREDERICK WALLACE, 1888- . Results of the Oxford University Expedition to Spitsbergen, 1921.-No. 14. Diptera Nematocera. (Annals and magazine of natural history, Aug. 1922. Ser. 9, v. 10, p. 193-215) Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 15.

Contains a list of all nematocerous Diptera recorded from Bear Island and Spitsbergen; and list, with synonymy, localities, descriptions and notes, of the twenty-nine (including six new) species of insects collected by the Oxford Expedition. *Copy seen:* DSI-M.

4345. EDWARDS, FREDERICK WALLACE, 1888- , and AUGUST THIENEMANN. Neuer Beitrag zur Kenntnis der Podonominae (Dipt. Chironomidae). Chironomiden aus Lappland IV. (Zoologischer Anzeiger, Mai 1938. Bd. 122, p. 152-58, illus.) *Title tr.:* New contribution to knowledge of the Podonominae (Dipt. Chironomidae). (Chironomids from Lapland 4)

Contains descriptions of new genus and species *Boreochlus thienemanni*, the metamorphosis of podonomid insects, and a key to their pupae.

Copy seen: DA.

4346. EDWARDS, FREDERICK WALLACE, 1888- , and AUGUST THIENEMANN. Oxford University Expedition to North-East Land, 1936.-Diptera, by F. W. Edwards; with a note on the pupa of *Orthocladus conformis* Holmgr. by Aug. Thienemann. (Annals and magazine of natural history, Sept. 1937. Ser. 10, v. 20, p. 360-64, illus.)

Twelve species of insects are listed.

Copy seen: DSI-M.

EDWARDS, FREDERICK WALLACE, 1888- , *see also* Sjostedt, Y., & others. Entomologische Ergebnisse Kamtschatka-Exped. 37. Abschluss. 1935.

EDWARDS, FREDERICK WALLACE, 1888- , *see also* Thienemann, A. Lappländische Chironomiden. 1941.

4346A. EDWARDS, K. C. Soviet northern seaways. (Geography, Sept. 1943. v. 28, p. 78-85, incl. sketch maps)

General notes on history of the Northern Sea Route, the harbors, ports, passages, inland waters and places along the Murman coast, and coastal regions of White and Kara Seas and arctic seas east of Cape Chelyuskin, also

along the Soviet far eastern seaboard; with a bibliography (9 items).

Copy seen: DLC.

4347. EDWARDS, NORMAN B. Combat in the Arctic. (Infantry journal, Jan. 1949. v. 64, p. 4-8, illus.)

General remarks on the area, inhabitants, strategic position of the Arctic; need for revision of U. S. Army doctrines in regard to the type of operations there.

Copy seen: DLC.

EDWARDS, WILFRED NORMAN, 1897- , *see* Seward, Sir A. C., & W. N. Edwards. Fossil plants from East Greenland. 1941.

4348. EDWARDS, WILLIAM HENRY, 1822-1909. Description of certain species of diurnal Lepidoptera found within the limits of the United States and British America. No. 2. (Entomological Society of Philadelphia. Proceedings, 1863, pub. 1864. v. 2, p. 78-82)

Includes descriptions of three new species of butterflies from the Slave and Mackenzie Rivers, and one species from the Yukon River, Alaska.

Copy seen: DSI-M.

4349. EDWARDS, WILLIAM HENRY, 1822-1909. Insects, diurnal Lepidoptera. (In: Kumlien, L., and others. Contributions to the natural history of arctic America. Pub. in: U. S. National Museum. Bulletin, 1879. No. 15, p. 155-57)

Notes on butterflies collected mainly in West and North Greenland by the Howgate Polar Expedition, 1877-78, the British Arctic Expedition, 1875-76, and the *Polaris* Expedition, 1871-73.

Copy seen: DLC.

4350. EDWARDS, WILLIAM HENRY, 1822-1909, and E. W. NELSON. Insects. Report upon the diurnal Lepidoptera collected in Alaska by E. W. Nelson. (In: Nelson, E. W., and others. Report upon the natural history collections made in Alaska, (etc.) 1887. p. 323-30)

Contents: Nelson, E. W. Introduction. (Notes on localities at St. Michael and along the arctic coast of West Alaska north of Kotzebue Sound; also remarks on the weather).

Edwards, W. H. Diurnal Lepidoptera. (Notes on twelve species; with a list of all (then) known species of butterflies from Alaska).

Copy seen: DLC; NNSf.

4351. EDWARDS, WILLIAM SEYMOUR, 1856-1915. In to the Yukon. Cincinnati, R. Clarke Co. 1904. xii, 13- [319] p. incl. 59 plates, 2 maps. Later editions also published, with index added but text substantially the same.

Letters written home during a two-month summer trip of the author and his wife in 1903. The itinerary included the Inside Passage to Skagway, thence to Dawson, and down the Yukon River; with a chapter on dogs.

Copy seen: DLC; NNStef.

4352. EELLS, WALTER CROSBY, 1886- . Educational achievement of the native races of Alaska. (Journal of applied psychology, Dec. 1933. v. 17, p. 646-70, diagsr.)

Results of tests carried out in 1930-32 under auspices of Stanford University School of Education at the request of the U. S. Office of Education, among Eskimo, Aleut and Indian school children. Data on the general achievement tests, with brief discussion of supplementary measures of handwriting, English composition, and music.

Copy seen: DLC; NNStef.

4353. EELLS, WALTER CROSBY, 1886- . Mechanical, physical, and musical ability of the native races of Alaska. (Journal of applied psychology, Oct. 1933. v. 17, p. 493-506, diagsr.)

Results of tests carried out, 1930-32, under auspices of Stanford University School of Education at the request of the U. S. Office of Education, among Eskimo, Aleut and Indian school children.

Copy seen: DLC; NNStef.

4354. EELLS, WALTER CROSBY, 1886- . Mental ability of the native races of Alaska. (Journal of applied psychology, Aug. 1933. v. 17, p. 417-38, diagsr.)

Results of extensive tests carried out, 1930-32, under auspices of the Stanford University School of Education at the request of the U. S. Office of Education, among Eskimo, Aleut, and Indian school children. The author gives a summary of more significant findings, expressed in Stanford-Binet scale of intelligence quotients; with some discussion.

Copy seen: DLC; NNStef.

EELLS, WALTER CROSBY, 1886- . *see also* Anderson, H. D., & W. C. Eells. Alaska natives; survey sociological & educational status. 1935.

4355. EFIMOV, A. I. Glubokoe promerzanie gruntov i rezhim nadmerzlotnykh vod pod teplymi zdaniiami (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1944. T. 4, p. 205-226, 4 tables, 11 diagsr.) *Title tr.:* The deep freezing of grounds and the régime of supra-permafrost waters under heated buildings.

Contains results of special observations on the behavior of supra-permafrost waters, and some experiments on two building plots. Detailed geological description of the plots is given, the type of permafrost encountered there, seasonal freezing and thawing, and temperature régime under heated buildings. Considerable attention is devoted to the hydrology of the area of the plots, chemical content of water, amount of water pressure (graphs and diagrams).

The alternate increase and decrease of moisture in the active layers is the prime cause of building deformation. The most effective counter-measure suggested is the construction of a circular drainage system combined with frozen belts around the buildings to create a barrier for excessive water.

Copy seen: NN.

4356. EFIMOV, A. I. Podmerzlotnye vody tsentral'noi Yakutii. (Priroda, 1946, no. 7, p. 50-53, illus.) *Title tr.:* Sub-permafrost waters of the central Yakut region.

Contains discussion of sub-permafrost waters as the possible sources of water supply; review of the case of Shergin's pit; information on current progress of the study of springs fed by sub-permafrost waters as water supply for the city of Yakutsk; description of permafrost conditions in Yakutsk (geology of the region, diagrams); results of trial tests showing that the water from Jurassic formations is free from microbes, contains a certain amount of salts, and is suitable for drinking.

Copy seen: DLC.

4356A. EFIMOV, ALEKSEI VLADIMIROVICH, 1896- . Iz istorii russkikh ekspeditsii na Tikhom okeane. Moskva, Voennoe izd-vo Ministerstvavooruzheniia sil Soiuza SSR, 1948. 341, [1] p., 1 l., 43 maps (incl. 12 fold.) *Title tr.:* From the history of Russian expeditions to the Pacific Ocean.

Contains chapters on (1) statement of problems in connection with histori-

ography; (2) geographic concepts in ancient and medieval times; (3) merits of Russian "earthwalkers" and navigators in extending geographical knowledge before the beginning of 18th century; (4) expeditions of Russian navigators in beginning of 18th century and first maps of Chukotsk Peninsula, Kamchatka and part of North America; (5) information of America, that reached Russia from the west; (6) maps of Vasilii Kipriianov (early 18th century); (7) "Bol'shoi Kamchatskii nariad" and voyage of Evreinov (about 1719-22); (8) expeditions of Nagibin and Mel'nikov (1720's); (9) expeditions of Fedorov, Gvozdev and Bering (Great Northern Expedition 1725-43); (10) plans for Russian colonies in America and preparation of expeditions in the first half of the 18th century; (11) economic relations between Russia and America in the first part of the 18th century; and conclusion (p. 198-210) a chronological summary.

Appended (p. 211-309) are texts of twenty-nine 18th century documents relating to exploration and trade in the Pacific region. Includes extensive bibliographical footnotes throughout, geographic and personal indexes and facsimile reproduction of 43 (mainly 18th century) maps. **Copy seen:** DLC.

4356B. EFIMOV, ALEKSEI VLADIMIROVICH, 1896- . Iz istorii velikikh russkikh geograficheskikh otkrytiĭ. Moskva, Gosudarstvennoe Uchebno-pedagogicheskoe izd-vo ministra prosveshcheniia RSFSR, 1949. 149, [1] p., 11 illus. maps (incl. 12 fold.) **Title tr.:** From the history of the great Russian geographical discoveries. Abridged and popularized edition of the author's *Iz istorii russkikh ekspeditsii na Tikhom okeane*, 1948.

Contains introductory section (p. 5-9) on Russian discoveries on the Pacific Ocean in the first half of the 18th century and their influence on world science. Chapters on (1) northeastern Asia in ancient and medieval times; (2) the discovery of America from the Russian point of view; (3) the expeditions of Dezhnev and Atlasov and maps relating to their expeditions (17th-18th centuries); (4) expeditions of workers and traders to the islands and lands of the Pacific Ocean in 1700-1719; (5) expeditions of Evreinov, Nagibin and Mel'nikov (1720's); (6) early Russian

settlements in Alaska; (7) expeditions of Bering, Fedorov and Gvozdev (Great Northern Expedition 1725-43); and (8) conclusion (summarizing Russian achievement). Supplement (p. 95-148) contains text (or excerpts) of 19 supporting documents 1655-1755.

Illustrated fully with facsimile reproductions of contemporary maps and a few portraits of explorers.

Copy seen: DLC.

EFIMOV, ALEKSEI VLADIMIROVICH, 1896- , see also Krasheninnikov, S. P. *Opisanie zemli Kamchatki*. 1949.

EFIMOV, P. E., see Eikhfel'd, I. G., & P. E. Efimov. *Primenenie gornykh porod dlia udobreniia*. 1931.

4357. EFREMOV, A. *Gidrologicheskie nabludeniiia*. (Sovetskaia Arktika, 1940, no. 5, p. 45-52, illus., diagr.) **Title tr.:** Hydrological observations.

Account of oceanographic work aboard the ice-breaker *Sedov*, during its drift from Laptev to Greenland Seas, 1937-40, through the Arctic Basin. Diagram is vertical section showing thermal régime to 1000 m. depth, in waters traversed, 85°N. 125°E.-81°N. 4°E., Nov. 30, 1938 - Dec. 26, 1939.

Copy seen: DLC.

4358. EFREMOV, A. Hydrological and meteorological research work on board of the ice-breaker *Sedov*. (Akademiia nauk, SSSR. Comptes rendus (Doklady) 1940. n. 5., v. 37, no. 2, p. 128-32, diagrs.)

Outline (method, instruments, scope, general remarks, etc., no data tables) of oceanographic observations directed by the author, and meteorological observations taken during drift of the *Sedov* from Laptev Sea across the Arctic Basin to Greenland Sea, 1938-40. Includes result of preliminary study of data in two graphs: (1) hydrological cross section of the route of drift; (2) comparative presentation of deep-water temperatures recorded by the *Sedov* in 1939, *Fram* 1894, *Sadko* 1935, and at the drifting ice-floe station "North Pole" 1937; also comparative remarks on meteorological observations to show trend. **Copy seen:** DLC.

4359. EGEDAL, JOHANNES, 1891- . The determination of the harmonic constants from tidal observations made

in Danmarks Havn ($\Phi = 76^{\circ}46'$, $2N$; $\lambda = 18^{\circ}46'W.$) København, C. A. Reitzel, 1943. 5 p. incl. tables. (Meddelelser om Grønland. Bd. 131, nr. 14)

Observations, Jan. 3-Mar. 1, 1907, during the *Danmark Expedition*, 1906-1908, form the basis of these determinations.

Copy seen: DSI-M.

4360. EGEDAL, JOHANNES, 1891-. The sinking of Greenland; a continuation of F. Froda's measurements. København, C. A. Reitzel, 1947. 6 p. (Meddelelser om Grønland. Bd. 134, nr. 7)

At Godhavn, $69^{\circ}12'N$. $53^{\circ}30'W$. and Aasiat, $68^{\circ}42'N$. $52^{\circ}48'W$. in 1897, 1923 and 1946, measurements were carried out, of the distance below sea level of *Balanus* stripes, relative to a fixed point on the land. The values are given here with discussion.

Copy seen: DGS.

EGEDAL, JOHANNES, 1891-, see also Gabel-Jørgensen, C. C. A., & J. Egedal. Tidal observations Nanortalik & Julianehaab. 1940.

4361. EGEDE, HANS POULSEN, 1686-1758. Description et histoire naturelle du Groenland. Copenhagen et Genève, C. & A. Philibert, 1763. 2 p. l., xxviii, 171 p. *Title tr.*: Description and natural history of Greenland.

Translation of *Det gamle Grønlands nye perustration*, 1741, with part of introductory chapter from the author's *Omstændelig og udførlig relation*, 1738, q.v., added.

Copy seen: DLC (imperfect; map and plates wanting); MH; RPJCB.

4362. EGEDE, HANS POULSEN, 1686-1758. A description of Greenland. Shewing the natural history, situation, boundaries, and face of the country—London, C. Hitch [etc.] 1745. xvi, [4], 220 p. 12 plates (incl. fold. map)

Translation of *Det gamle Grønlands nye perustration, eller Naturelhistorie*, 1741, q.v.

Copy seen: DLC.

4363. EGEDE, HANS POULSEN, 1686-1758. A description of Greenland, new edition with an historical introduction and a life of the author . . . London, T. & J. Allman, 1818. cxviii, 225 p. front. (fold. map) illus.

Copy seen: DLC.

4364. EGEDE, HANS POULSEN, 1686-1758. Det gamle Grønlands nye perustration, eller Naturelhistorie, og beskrivelse over det gamle Grønlands

situation, luft, temperament og beskaffenhed. Kjøbenhavn, Trykt hos J. C. Groth, 1741. 6 p. l., 131 p., 1 l. 11 plates, fold. map. *Title tr.*: New survey of old Greenland, or Natural history and description of the situation, climate and characteristics of old Greenland.

Enlarged edition of a work originally published in 1729; published in English as *A description of Greenland*, 1745; also published in French and German. Basic historical work by "Pastor Egede" who started Danish colonization of Greenland and Christian mission work among Eskimos, living with his family in West Greenland from 1721 to 1736.

Contains discussion of the geography and history of Greenland (including the rise and decline of the old Norse colonies) the natural conditions of Greenland, its plants, minerals and rocks, the weather, animals of land and sea and how the Eskimos hunt them; the occupations, implements and tools of the Eskimos; their physical characteristics, manners and customs, clothing, food, family relationships, mortuary customs, games, language, religion, beliefs, mental attitudes, etc.

Copy seen: DLC.

4365. EGEDE, HANS POULSEN, 1686-1758. Herrn Hans Egede, Missionärs und Bischofes in Grönland, Beschreibung und Natur-Geschichte von Grönland. Berlin, A. Mylius, 1763. xi [1] 237 p. 11 plates (incl. fold. map) *Title tr.*: Description and natural history of Greenland, by Hans Egede, missionary and bishop in Greenland.

Translation of *Det gamle Grønlands nye perustration*, 1741, q.v., from the French edition (*Description et histoire naturelle du Groenland*), 1763.

Copy seen: DLC.

4366. EGEDE, HANS POULSEN, 1686-1758. Omstændelig og udførlig relation, angaaende den grønlandske missions begyndelse af forsættelse, samt hvad ellers mere der ved landets recognoscering, dets beskaffenhed, og indbyggernes væsen af leve-maade vedkommende, er befunden. Kjøbenhavn, Trykt hos J. C. Groth, 1738. 10 p. l., 408 p. *Title tr.*: Detailed and full relation regarding the beginning and continuation of the Greenland mission; in addition to other things observed concerning the reconnaissance of the country, its nature and the manners and way of life of its inhabitants.

Egede's annual reports, (consisting of his journals) 1721-36, published after the author's return to Denmark, with text (especially of the early relations) much abbreviated. Includes introductory chapter on events, 1708-21, leading to the establishment of the Greenland mission, Egede's appointment, as its first incumbent and his trip thither 1721. His activities as missionary to the Eskimos and founder of the first Danish colony in Godthaab; daily events in the colony, trips to outlying districts, notes on the weather, customs, occupations, etc., of the Eskimos.

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4367. EGEDE, HANS POULSEN, 1686-1758. *Relationer fra Grønland, 1721-36, og Det gamle Grønlands ny perustration 1741; udgivne af Louis Bobé.* København, B. Lunos bogtrykkeri, 1925. xv, 442 p. incl. plates, front. (port.) maps (1 fold.) facsim. (Meddelelser om Grønland. Bd. 54) *Title tr.:* Relations from Greenland, 1721-36, and New perustration of old Greenland, 1741; edited by Louis Bobé.

Relationer fra Grønland, 1721-36, comprising Egede's annual reports from 1721-22 to 1724-25, printed from original manuscripts and his annual reports of 1725-1736, reprinted with corrections, from the author's *Omstændelig og udførlig relation, 1738*, q.v. Also reprint, with corrections, of the author's *Det gamle Grønlands nye perustration, 1741*, q.v. and editorial remarks.

Copy seen: DLC.

EGEDE, HANS POULSEN, 1686-1758, *see also* Bertelsen, A. Grønlaenderne i Danmark 1605 til vor tid. 1945.

EGEDE, HANS POULSEN, 1686-1758, *see also* Diplomatarium groenlandicum, 1492-1814. 1936.

EGEDE, HANS POULSEN, 1686-1758, *see also* Ostermann, H. B. S., ed. Første danske undersøgelsesekspedition til Diskobugt 1727. 1920.

EGEDE, HANS POULSEN, 1686-1758, *see also* Ostermann, H. B. S. Rekognosceringsekspeditionen 1723. 1942.

EGEDE, HANS POULSEN, 1686-1758, *see also* Rosenkilde, V. Egede-haandskrift til en grønlandsk grammatik. 1933-34.

EGEDE, NIELS RASCH, 1710-1782, *see* Bobé, L. T. A. Niels Egedes dagbog 1759-61. 1943.

EGEDE, NIELS RASCH, 1710-1782, *see* Egede, P. H. Poul og Niels Egede: Relationer; Beskrivelse. 1939.

EGEDE, NIELS RASCH, 1710-1782, *see* Ostermann, H. B. S. Dagbøger av nordmenn på Grønland før 1814. 1935.

EGEDE, PAUL, *see* EGEDE, POUL HANSEN, 1708-1789.

4368. EGEDE, POUL HANSEN, 1708-1789. *Dictionarium grønlandico-danico-latinum, complectens primitiva cum suis derivatis, qvibus interjectae sunt voces primariae è Kirendo Angekkutorum, adornatum a Paulo Egede. Hafniae, sumptibus & typis Orphan. regii, excudit G. F. Kisel, MDCCCL. 8 p. l., 312 p. Title tr.:* Greenlandic-Danish-Latin dictionary containing the roots and their derivatives, to which has been added the principal words of the angakok Kirendo, prepared by Paul Egede.

Greenlandic-Danish-Latin dictionary (the first ever compiled) giving examples of usage in the three languages. Includes indexes of Danish and Latin words.

Copy seen: DLC.

4369. EGEDE, POUL HANSEN, 1708-1789. *Efterretninger om Grønland, uddragne af en journal holden fra 1721 til 1788 af Paul Egede.* København, Trykt af H. C. Schrøder [1788] 6 p. l., 284 p. front. (port.) 3 plates, fold map.

Excerpts from a diary, kept since his fourteenth year by Hans Egede's son Poul, himself a missionary to Greenland and later superintendent of the Greenland mission and professor of theology at the Mission Seminary in Copenhagen. Describes the author's boyhood and early manhood in Greenland; visits with his father to outlying districts; his association with Eskimo children and angakoks, hunting, boating, etc.; later the daily affairs of the mission and the colony; also the development of the Greenland mission and colonies as seen from Copenhagen.

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4370. EGEDE, POUL HANSEN, 1708-1789. *Poul og Niels Egede: Continuation of Hans Egedes Relationer fra Grønland; samt, Niels Egede: Beskrivelse over Grønland.* Ved H. Ostermann. København, C. A. Reitzel, 1939. 3 p. l., [iii]-xi, 380 p. incl. ports.,

facsim. fold. map. (Meddelelser om Grønland. Bd. 120) *Title tr.*: Poul and Niels Egede: continuation of Hans Egede's "Relations from Grønland" and Niels Egede: Description of Greenland. By H. Ostermann.

The diaries of Poul Egede (1734-40) and of Niels Egede (1739-43), containing observations, mainly pertaining to the church and the mission, together with incidents from the everyday life in West Greenland in the middle of the 18th century. Includes notes and remarks by H. Ostermann; also attendance statistics, etc.

Copy seen: DGS; NN.

4371. EGGLESTON, WILFRID. Canada's northernmost Island. (Canadian geographical journal, June 1935. v. 10, p. 289-97, illus.)

General account of the history of Ellesmere Island, present-day Royal Canadian Mounted Police work there, the physical features and natural history of the island. *Copy seen:* DLC.

4372. EGGLESTON, WILFRID. Strategy and wealth in northern Canada. (Queen's quarterly, 1947. v. 54, p. 238-49)

General survey of political and economic affairs in arctic Canada, especially since the beginning of World War II. *Copy seen:* DLC.

EGGVIN, JENS, 1899- , see Sund, O., & others. Torsken og fiskehavet, 1937. 1938.

EGOROV, G. N., see Arkhangel'skii, B. F., & G. N. Egorov. Izuchenie ionosfery v bukhte Tikhoi. 1939.

4373. EGOROV, K. K istorii poletov I. I. Nagurskogo. (Letopis' Severa, 1949, no. 1, p. 220-26, maps) *Title tr.*: The history of I. I. Nagurskii's flights.

Account of the first arctic flights along the western coasts of Novaya Zemlya in search of the G. ĩA. Sedov expedition in 1914. Includes text of Nagurskii's report to the Central Hydrographic Office on Oct. 1, 1914.

Copy seen: DLC.

EGOROV, N. I., see Prihot'ko, G. F., & N. I. Egorov. Parenie Kol'skogo zaliva. 1946.

4374. EGOROV, S. F. Morfologicheskie usloviia zaleganiia diatomitov nekotorykh mestorozhdenii Kol'skogo poluostrova. (Akademiia nauk SSSR. Geo-

morfologicheskii institut. Trudy, 1934. Vyp. 8, p. 17-33, diagrs., (incl. 1 fold.)) *Title tr.*: Morphological conditions of diatomite occurrence in some formations of Kola Peninsula.

Report on the results of field work of the geomorphological party of the Kola Expedition in the basin of Lakes Bol'shaya Imandra and Pulozero; methods of geological surveying used by the party and recommended for use in further investigations. Diagrams show the structure of the bottom relief of several lakes. Summary in French.

Copy seen: NN.

4375. EGOROV, S. F. O drevnikh abraziionnykh terrasakh v basseinakh Imandry i Koly. (Akademiia nauk SSSR. Institut fizicheskoi geografii. Trudy, 1936. Vyp. 19, p. 121-38, illus., diagrs.) *Title tr.*: The old abrasion terraces in the basins of Imandra and Kola.

Results of the author's geomorphological investigations in central Kola Peninsula, 1930-32, showing the existence of terraces at heights of 259-152 meters in the region around Bol'shaya Imandra Lake and the Kola River - Imandra watershed; reports on discoveries of old marine deposits, proving that the sea extended to the region, and showing by pollen analysis that the final severance of the basin of Imandra Lake from that of Kola River occurred in the second half of the Atlantic period. Summary in English.

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4376. EGOROV, S. F. Rel'ef i nanosy vostochnogo poberezh'ia Bol'shoi Imandry. (Akademiia nauk SSSR. Geomorfologicheskii institut. Trudy, 1931. Vyp. 1, p. 173-245, illus., maps (incl. 1 fold.), tables, profiles) *Title tr.*: Relief and the alluvial deposits of the eastern shore of Lake Bol'shaya Imandra.

Basic study of this region in eastern Kola Peninsula, result of the author's work with the Imandra Expedition in 1925-26. Description of Quaternary deposits and land forms; analysis of river and lake terraces: composition, structure, depth, thickness of strata; results of shore-line investigation of Lake Imandra. Summary in German.

Copy seen: NN.

EGOROV, V. A., see Kurbatov, L. M., & V. A. Egorov. K voprosu o vozmozhnosti opredeleniia vozrasta. 1936.

4377. **EGOROVA, A. A.** Über Bakterien im fossilen Eis. (Arktis, 1931. Jahrg. 4, p. 12-14) *Title tr.:* On bacteria in fossil ice.

Results of tests made on subterranean ice from New Siberian Islands.

Copy seen: DLC; NNStef.

4378. **EHLE, NILS HERMAN NILSSON, 1873-** . Om de subarktiska *Poa*-arterna vid Lenafloden. (Botaniska notiser, 1900. p. 97-99) *Title tr.:* On subarctic species of *Poa* in Lena River basin.

Contains some critical notes on *Poa glauca*, *P. arctica* (-*P. flexuosa*) and *P. pratensis*, grasses occurring in lower Lena River basin (70°-72°N.)

Copy seen: MH-A.

4379. **EHLE, NILS HERMAN NILSSON, 1873-** . Om de växtgeografiska och botaniska arbetena under Andrée-etter forskningsexpeditionen till Sibirien 1898. (Ymer, 1899. Årg. 19, p. 147-57, illus.) *Title tr.:* On the phyto-geographical and botanical work during the expedition to Siberia in search of Andrée, 1898.

Contains a geobotanical study of the vegetation of the Lena River basin (55°N. to 72°N.) carried out by the author while with an expedition searching for Andrée in Siberia, after the disappearance of his balloon party.

Copy seen: DLC.

4380. **EHLE, NILS HERMAN NILSSON, 1873-** . Om några *Carex*-former. (Botaniska notiser, 1900. p. 237-38) *Title tr.:* On some *Carex* forms.

Contains critical notes on three species of sedges (*Carex*) including *C. ampullacea* x *vesicaria*, a hybrid found in Lule Lappmark, northern Sweden.

Copy seen: MH-A.

EHLE, NILS HERMAN NILSSON, 1873- , see also Arnell, H. V. Zur Moosflora des Lena-Tales. 1913.

4381. **EHRENBAUM, ERNST, 1861-** . Die Fische. (In: Fauna arctica, 1901. Bd. 2, p. 65-168, tables) *Title tr.:* Fishes.

Contains a list with synonymy, references, and distribution, of one hundred eighty-six species, a table showing circumpolar distribution, a bibliography (159 items) and an index.

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4382. **EHRENBAUM, ERNST, 1861-**

. Die Fische. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen ausgeführt im Sommer 1898 auf S.M.S. "Olga". VI. (Wissenschaftliche Meeresuntersuchungen, 1905. Neue Folge, Bd. 7, Abt. Helgoland, p. 45-70) *Title tr.:* The Fishes. Zoological results of a research expedition (etc.) to Bear Island and West Spitsbergen in the summer of 1898 on H.M.S. *Olga*. VI.

Contains a list with locations (depths, bottom type) size, and discussion, of twenty-six species, with an arrangement by station number showing position, depth, bottom and type of net or line used.

Copy seen: DF.

4383. **EHRENBERG, CHRISTIAN GOTTFREID, 1785-1876.** Mikroskopische Analyse einiger von A. Erman in Nord-Asien gesammelten sehr merkwürdigen organischen Erden. (Archiv für wissenschaftliche Kunde von Russland herausgeg. von A. Erman, 1842. Bd. 2, p. 791-96) *Title tr.:* Microscopical analyses of some very remarkable organic soils collected by A. Erman in northern Asia.

Contains a list of twelve species of microscopic diatoms found by A. Erman in the siliceous ground of a hot spring, during his travels in Kamchatka Peninsula, 1828-30.

Copy seen: MH.

4384. **EHRENBERG, CHRISTIAN GOTTFRIED, 1795-1876.** Die mikroskopischen Lebensverhältnisse auf der Oberfläche der Insel Spitzbergen. (Akademie der Wissenschaften, Berlin. Monatsberichte, 1869. p. 257-62) *Title tr.:* The relationships of microscopic surface forms on Spitsbergen.

Notes on widely separated occurrences of invertebrate land organisms, and on protozoan and rotiferan forms observed on West Spitsbergen.

Copy seen: DLC.

4385. **EHRENBERG, CHRISTIAN GOTTFRIED, 1795-1876.** Über die Tiefgrund-Verhältnisse des Oceans am Eingange der Davisstrasse und bei Island. (Akademie der Wissenschaften, Berlin. Monatsberichte, 1861. p. 275-315, fold. chart) *Title tr.:* On the bottom sediments at the entrance to Davis Strait and near Iceland.

Based on an examination of the samples collected during laying of a transatlantic telegraph line across the

southern ends of Davis and Denmark Straits. **Copy seen:** DLC.

4386. EHRENBERG, CHRISTIAN GOTTFRIED, 1795-1876. Das unsichtbar wirkende Leben der Nordpolarzone am Lande und in den Meerestiefgründen bei 300 mal verstärkter Sehkraft, nach Materialien der *Germania* erläutert. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 437-67, 4 plates) **Title tr.:** The microscopic life of the north polar zone, on land and in the deep sea deposits magnified 300 times, explained from material from the *Germania*.

Lists and discussion of the protozoans (including foraminifera) diatoms, sponge spicules, etc., from bottom samples of Greenland Sea, from land and fresh-water collections made on West Spitsbergen and East Greenland, by the first and second German North Polar Expeditions, 1867 and 1869-70. **Copy seen:** DLC.

4387. EHRENBERG, CHRISTIAN GOTTFRIED, 1795-1876. Weitere Entwicklungen aus den vom Schiffe "Germania" bei seiner Nordfahrt unter Kapitain Koldewey's Führung gehobenen Grundproben. (Akademie der Wissenschaften, Berlin. Monatsberichte, 1869. p. 253-57, 263, fold. table) **Title tr.:** Further development of the bottom samples collected by the *Germania* under Captain Koldewey.

Remarks on the organic remains in the bottom sediments of Greenland Sea, collected on the German North Polar Expedition, 1868. **Copy seen:** DLC.

4388. EHRSTRÖM, CARL ROBERT. Djurvandringar i Lappmarken och norda delen af Finland årer 1839 och 1840. (Societas pro fauna et flora fennica. Notiser ur förhandlingar, 1852. Häfte 2, p. 1-8) **Title tr.:** Migration of mammals in 1839 and 1840, in Lapland and other northern parts of Finland.

Contains mostly data on causes, direction and routes of mass migration of lemmings (*Lemmus*) in Finnish Lapland and adjoining regions, in 1839-40 and earlier years; other rodents, like true squirrels, hares, and even some species of birds followed the invading army of lemmings. **Copy seen:** MH.

4389. EHRSTRÖM, CARL ERIK, 1887-1918. Däggdjuren i Societas' pro fauna et flora fennica samlingar. (Societas

pro fauna et flora fennica. Meddelanden, 1916-1917, pub. 1917. Häfte 43, p. 240-64) **Title tr.:** Mammals in the collections of the Societas pro fauna et flora fennica.

Contains a statistical review of fifty-seven species of mammals in the zoological collection of this society, with data on geographical distribution of each specimen, in various provinces of Finland, Lapland and Kola Peninsula.

Copy seen: MH-A.

EHRSTRÖM, KARL ERIK, 1887-1918, see also Hellén, W., & K. E. Ehrström. Z. Kenntnis d. Isopoden. 1919.

4390. EICHER, GEORGE JOHN, 1916-. Alaska bighorn sheep. (Alaska life, Sept. 1943. v. 6, no. 9, p. 46-49, illus.) Wildlife series no. 5.

Notes on *Ovis dalli* (Alaska mountain sheep) and *Oreamnos kennedyi* (white mountain goat). **Copy seen:** DLC.

4391. EICHER, GEORGE JOHN, 1916-. Alaska deer. (Alaska life, July 1943. v. 6, no. 7, p. 53-57, illus.) Wildlife series no. 4.

Field notes on the Barren Ground caribou, Alaska moose, blacktail deer, and European reindeer.

Copy seen: DLC.

4392. EICHER, GEORGE JOHN, 1916-. Alaska lynx. (Alaska life, Apr. 1944. v. 7, no. 4, p. 46-47, illus.) Wildlife series no. 6.

Notes on the appearance, range, habits, and importance to the fur trapper of *Lynx canadensis mollipolensis*.

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4393. EICHER, GEORGE JOHN, 1916-. Alaska porcupine. (Alaska life, June 1944. v. 7, no. 6, p. 54-57, illus.) Wildlife series no. 7.

Notes on appearance, habits and economic importance of *Erithizon epixanthum myops*.

Copy seen: DLC.

4394. EICHER, GEORGE JOHN, 1916-. Alaska trout. (Alaska life, Oct. 1943. v. 6, no. 10, p. 46-49, 52, illus.) Wildlife series no. 6.

Description of appearance, habits and occurrence of two Alaskan species (each) of native trout and char, and one species of introduced trout and char.

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4395. EICHER, GEORGE JOHN, 1916-. Aleutian battle prize. (Alaska life, Aug. 1946. v. 9, no. 8, p. 24-26, illus.)

General description of the salmon canning industry of Bristol Bay.

Copy seen: DLC.

4396. EICHER, GEORGE JOHN, 1916-. Bears of Alaska. (Alaska life, Apr. 1943. v. 6, no. 4, p. 44-47, illus.) Wildlife series no. 1.

Notes on appearance, occurrence, range and habits of the Alaska brown, polar, grizzly, glacier, and black bear.

Copy seen: DLC.

4397. EICHER, GEORGE JOHN, 1916-. "Cat skinning" Hopeless Land. (Alaska life, Sept. 1942. v. 5, no. 9, p. 13-19, illus., map)

Account of tractor trip over untraveled country of the Alaska Peninsula, in the Katmai National Monument, with remarks on difficulties of a possible motorized military advance over such terrain.

Copy seen: DLC.

4398. EICHER, GEORGE JOHN, 1916-. The great salmon. (Alaska life, June 1943. v. 6, no. 6, p. 47-49, 52-54, illus.) Wildlife series no. 3.

Discussion of marine and fresh-water life, abundance and appearance of the five Pacific salmon species, occurring in Alaska.

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4399. EICHER, GEORGE JOHN, 1916-. High road to Bristol Bay. (Alaska life, Nov. 1942. v. 5, no. 11, p. 11-15, illus.)

Description of one flight and conditions in general for air travel in the Bristol Bay - Alaska Peninsula region of Alaska.

Copy seen: DLC.

4400. EICHER, GEORGE JOHN, 1916-. I wish brownies could smell upwind. (Alaska sportsman, Dec. 1942. v. 8, no. 12, p. 8-9, 29-30, illus.)

On the habits and behavior of Alaska brown bears.

Copy seen: DLC.

4401. EICHER, GEORGE JOHN, 1916-. Ptarmigan. (Alaska life, May 1943. v. 6, no. 5, p. 39-41, illus.) Wildlife series no. 2.

Field notes on three species of *Lagopus* found in Alaska.

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4402. EICHER, GEORGE JOHN, 1916-. The salmon query. (Alaska life, Feb. 1943. v. 6, no. 2, p. 3-8, illus.)

Account of the Bristol Bay red salmon investigation, started by the U. S. Fish and Wildlife Service in 1938; its

purpose, program, and the results so far achieved in solving the problem of the diminishing salmon supply.

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4403. EICHER, GEORGE JOHN, 1916-. Shortcut north. (Alaska life, Jan. 1943. v. 6, no. 1, p. 7-10, illus.)

Description of the Iliamna portage, a truck road from Iliamna Bay on Cook Inlet to Iliamna Lake, and some fifty miles down Kvichak River to Bristol Bay. Includes suggestions for improving the road and dredging a few spots in the river to create a well developed route across the base of Alaska Peninsula.

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4404. EICHER, GEORGE JOHN, 1916-. Wolves. (Alaska life, July 1944. v. 7, no. 7, p. 45-47, illus.) Wildlife series no. 8.

Field notes on two Alaskan species, *Canis pambasileus* and *C. occidentalis*.

Copy seen: DLC.

4405. EICHLEITER, C. FRIEDRICH. Ueber die chemische Zusammensetzung einiger Gesteine von der Halbinsel Kola. (Austria. Geologische Bundesanstalt. Verhandlungen, 1893. No. 9, p. 217-18) *Title tr.*: On the chemical composition of some rocks of the Kola Peninsula.

Based on specimens collected by the Finnish Expedition to Kola Peninsula, 1891, from the Umptek Mts.

Copy seen: DGS.

4406. EICHWALD, CARL EDUARD von, 1795-1876. Geognostisch-paleontologische Bemerkungen über die Halbinsel Mangischlak und die Aleutischen Inseln. St. Petersburg, Akademie der Wissenschaften, 1871. iii, 200 p. *Title tr.*: Geognostic-paleontological remarks on the Mangishlak Peninsula and the Aleutian Islands.

Part 2 (p. 88-200), the Miocene and Cretaceous formations of Alaska and the Aleutian Islands, is based on fossil collections made by H. Doroschin, 1847-52, during an official business trip to Sitka. It contains (p. 88-106) a sketch of the geologic formation of the Aleutians and southern Alaskan coast, with mention of fossil marine fauna; descriptions of nine Miocene fossil plant species; p. 107-116; descriptions of eighty-three Cretaceous fossil molluscs, p. 117-200.

Copy seen: DSI-M.

EICHWALD, EDUARD von, *see* EICHWALD, CARL EDUARD von, 1795-1876.

4407. EIFRIG, CHARLES WILLIAM GUSTAVE, 1871-. Ornithological results of the Canadian 'Neptune' Expedition to Hudson Bay and northward, 1903-1904. (Auk, July 1905. v. 22, p. 233-41)

Annotated list of fifty-one species of birds, representing collections and field notes made on the Labrador coast, Ungava Peninsula, Southampton Island, the west coast of Hudson Bay from Chesterfield Inlet northward, Baffin and Devon Islands and the west coast of Greenland. *Copy seen:* DSI-M.

4408. EIGNER, A. G. Trudy Russkoi pol'arnoi stantsii na ust'e Leny. Chast' II. Meteorologicheskii nabludeniiia. Beobachtungen der russischen Polarstation an der Lenamündung. II. Theil. Meteorologische Beobachtungen. [St. Petersburg] 1886-1887. 4 p. l., xxxvii p., 1 l., 305 p. incl. tables. 16 plates (diags.) map. (International Polar Year. 1st, 1882-1883. Ekspeditsiia k ust'iu rieki Leny, 1882-1884. Trudy Russkoi pol'arnoi stantsii. Chast' 2) *Title tr.*: Observations of the Russian polar station in the Lena delta. Pt. 2, Meteorological observations. Edited by R. Lenz. Text in Russian and German.

Contains (in pt. 1) the results of hourly observations or instrumental registering (at Sagastyr' 73°22'48"N. 126°30'E., the station in Lena delta) of meteorological elements, hourly soil temperature at surface and 0.4 meters, hourly snow surface temperatures and daily soil temperature at 0.8 and 1.6 meters, Sept. 1, 1882-Aug. 31, 1883. Pt. 2 presents similar results, Sept. 1883-July 7, 1884. *Copy seen:* DLC.

4409. EIKHFEL'D, I. G. Problema zemledeliia na Krainem Severe. (Sovetskii Sever, 1931, no. 5, p. 46-61, map, tables) *Title tr.*: Problems of agriculture in the far North.

Discussion of means of accelerating agricultural development. Rough division of the Soviet North into three zones according to their agronomic and climatic characteristics, with map and tables, showing mean monthly temperature and precipitation. Network of scientific bases planned for construction in 1931 with preliminary estimate of costs. *Copy seen:* DLC.

4410. EIKHFEL'D, I. G., Sel'skokhoziaistvennaia nauka na Krainem Severe. (In: Eikhfel'd, I. G., and N. Ia. Chmora. Sel'skokhoziaistvennoe osvoenie Krainego Severa, 1937. *Pub.* in: Vsesoiuznaia akademiia s.-kh. nauk. Trudy. Vyp. 13, p. 5-11, table) *Title tr.*: Agricultural science in the far North.

Brief survey of agriculture and related activities, and proposals for the reorganization of scientific work in that field. *Copy seen:* DLC.

4411. EIKHFEL'D, I. G., and EFIMOV, P. E. Primenenie khibinskikh gornykh porod dlia udobreniia pochvy Krainego Severa. (In: Khibinskie apatity, 1931-34. T. 3, p. 261-66, tables) *Title tr.*: The use of Khibina rocks for fertilization of soil in the far North.

Conclusions concerning the use of nepheline-syenite and nepheline-apatite as fertilizer for various kinds of soils, based on experiments carried out by Khibina Agricultural Experimental Station, 1926-30. *Copy seen:* DLC.

4412. EIKHFEL'D, I. G., and N. Ia. CHMORA, editors. Sel'skokhoziaistvennoe osvoenie Krainego Severa. Materialy soveshchaniia po nauchno-issledovatel'skoi rabote na Krainem Severe, 27 fevralia - 3 marta 1936 g. Moskva, 1937. 258, [2] p. illus., tables, diags. Errata slip inserted. (Vsesoiuznaia akademiia selskogo-khoziaistva nauk. Trudy. Vyp. 13) *Title tr.*: The mastering of agriculture in the far North. Papers of the Conference on Scientific and experimental work in the far North, February 27-March 3, 1936.

Contents tr. include: EIKHFEL'D, I. G. Agricultural science in the far North, p. 5-11.

TKACHENKO, N. S. The mastering of agriculture in the far North, p. 12-29.

ROCHEV, N. A. The Pechora Experiment Station, p. 30-43.

PEROVSKII, D. E. Results of the work of the Ostyako-Vogul'sk Experiment Station, p. 44-62.

KHRENNIKOVA, M. M. The growing of plants in northern Yenisey region, p. 82-94.

SKALOZUBOVA, A. Experimental work in Yakut A.S.S.R., p. 115-31.

PERESYPKIN, N. N. Agriculture in the Kolyma region, p. 156-59.

MAMIN, A. V. The agriculture of Kamchatka and the experimental work

of the Kamchatka Station for 1933-1935, p. 160-98.

TSYPLENKIN, E. I. Permafrost and its significance for plant cultivation, p. 199-219.

BRONZOV, A. I. Meadow resources of the Siberian North, p. 220-24.

DALIN, A. D. Questions concerning the mechanization of agriculture in the North and far North, p. 225-42.

SOVESHCHANIE po nauchno-issledovatel'skoi rabote na Kraĭnem Severe. 1st, Moscow, 1936. Decisions of the conference held by the All-Union Lenin Academy of Agricultural Sciences on the organization of scientific research work in the field of agriculture in the far North, February 27-March 3, 1936, p. 243-58.

VSESOIŪZNAĬA akademiĭa s-kh. nauk im. V. I. Lenina. Resolution of the presidium of the Lenin Academy of Agricultural Sciences on the establishment of a Commission for the far North within the Academy (March 19, 1936), p. 258-259. Each of these papers appears in this Bibliography under its author's name.

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ĖIKHFEL'D, I. G., *see also* VsesoiŪznaĭa akademiĭa sel'skokhoziĭstvennykh nauk im. V. I. Lenina. Komissiiĭa Kraĭnego Severa. Sel'skokhoziĭstvennoe osvoenie. 1940.

4413. ĖILER, ĬA. P. Metody barometricheskogo nivelirovaniĭa primenitel'no k poliĭarnym raionam. Leningrad, Izd-vo Glavsevmorputi, 1935. 104 p. illus. tables. *Title tr.*: Methods of barometric levelling applicable to the arctic regions. Edited by I. F. Molodykh.

Contains (1) description of methods established and used by hydrographical expeditions to far eastern Yakut A.S.S.R. in 1928-32; (2) tables for barometric levelling in arctic regions.

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4414. EINARSSON, HERMANN. Euphausiacea. 1. Northern Atlantic species. Copenhagen, C. A. Reitzel (for the Carlsberg Foundation), 1945. 185 p. incl. tables, illus., diagrs. (Carlsberg-fondets oceanografiske ekspedition omkring jorden, 1928-1930. Dana-report no. 27)

This report of the Carlsberg Foundation's Oceanographical Expedition round the World in the *Dana*, 1928-30, and previous *Dana* expeditions, covers collections of the euphausiid crustaceans

from *Dana* cruises 1924-39, also from the *Godthaab* expedition to West Greenland waters 1928, and those in Copenhagen Zoological Museum from West and East Greenland waters. Includes chapters on larval development, and on six species as adults (including a key); sections on distribution including Norwegian (East Greenland) Sea, Icelandic coastal waters, Irminger Sea, Denmark Strait and the East Greenland Current, East Greenland coastal waters, and West Greenland waters; also sections on distribution by species. Discussion of factors in distribution, of age and growth, variation in size of larval stages, food, parasites, etc. Bibliography (255 items).

Copy seen: DSI-M.

4415. EINARSSON, HERMANN. Influx of Atlantic waters north of Iceland 1947. (International Council for the Study of the Sea. Annales biologiques, 1947, pub. 1949. v. 4, p. 10-11, diagrs.)

Note on higher sea-water temperatures observed during July-Aug. 1947, in fishing grounds off northern Iceland, with vertical temperature-salinity diagrams.

Copy seen: DF.

4416. ĖINOR, O. L. Antratsitovyie ugli Karskogo poberezh'ĭa Ĭugorskogo poluoostrova. (Problemy Arktiki, 1939, no. 7-8, p. 53-69, tables, fold. diagrs.) *Title tr.*: Anthracite coals of the Kara Sea coast of Yugor Peninsula.

Geological description of the area; analysis of coal samples; being results of author's field work of 1938.

Copy seen: DLC.

4417. ĖINOR, O. L. The basalts of Bolshezemelskaya Tundra. (Akademiĭa nauk SSSR. Comptes rendus (Doklady), Nov. 1946. Nouv. ser., v. 54, p. 343-45)

Description and results of chemical analyses of basalts occurring on the river Silova (left tributary of the Kara River, about 69°N. 65°E.) separating the coal-bearing series (Paemboy strata) of the Upper Permian, from thick series of Tartarian conglomerates; with a bibliography (12 items).

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4418. ĖINOR, O. L. Brakhiopody nizhnego karbona i nizhnei permi zapadnogo Taimyra. Moskva, 1946. 93, [3] p. 11 plates, tables (1 fold.) (U.S.S.R. Glavnoe upravlenie Severnogo morskogo pu-

ti. Gorno-geologicheskoe upravlenie. Trudy. Vyp. 26) *Title tr.*: Brachiopods of the Lower Carboniferous and Lower Permian epochs of western Taymyr.

A systematic annotated list of eleven Lower Carboniferous and forty-five Lower Permian species, varieties, and unclassified forms, with synonyms, references, and descriptions. Notes on distribution and tables showing location of specimens in area from Yenisey Bay to Piasina River basin inclusive. Bibliography (about 170 items). Summary in English, including brief annotation of eleven new forms or significant varieties.

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4419. EINOR, O. L. Brachiopody nizhnei permi Taymyra (Bassein reki Piasiny). Leningrad, Izd-vo Glavsevmorputi, 1939. 150, [1] p. illus., 15 plates. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 135. *Title tr.*: Some brachiopods from the Lower Permian of Taymyr (Basin of the Piasina River).

A study based on collections taken for the Arctic Institute of U.S.S.R., 1936-37, containing descriptions of the brachiopod fauna of the beds underlying the coal-bearing deposits of the Tungusian continental series in the western Taymyr Peninsula; descriptions of fifty-three new species or varieties of fossil brachiopods, and a bibliography (138 items). Summary in English.

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4420. EINOR, O. L. Dva vida brachiopod iz vizeiskogo farusa. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1941. T. 158, p. 123-30, illus., table) *Title tr.*: Two species of brachiopods from the Visean of Taymyr Peninsula.

Description of two species from the Lower Permian of Pyasina River basin, taken for the Arctic Institute of U.S.S.R., 1936-37. Summary in English.

Copy seen: DLC.

4421. EINOR, O. L. Permo-triasovaiia faza tektogeneza v verkhnepaleozoiskikh uglasnykh basseynakh Sibiri. (Problemy Arktiki. 1940, no. 3, p. 149-52) *Title tr.*: Permian-Triassic phase of tectogenesis in the Upper Paleozoic carboniferous basins of Siberia.

Analysis of data from the literature on the Angara series in the Lower Tunguska River basin. Bibliography (18 items).

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4422. EINOR, O. L. Stratigrafiia Angarskoi serii v basseine reki Nizhnei Tungusko. (Problemy Arktiki, 1940, no. 12, p. 72-88, fold. table) *Title tr.*: Stratigraphy of the Angara series in the Lower Tunguska River basin.

Brief review of literature and a summary of data on continental deposits of Paleozoic and Mesozoic periods of the Siberian platform and adjacent regions. Bibliography (47 items).

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EINOR, O. L., see also Likharev, B. K. Materialy k poznaniu verkhnepaleozoiskikh faun Novoi Zemli. Brachiopoda. 1939.

EINOR, O. L., see also Teben'kov, V. P., & others. Geologicheskoe stroenie i uglasnost' reki Nizhnei Tunguski. 1939.

4423. EISEBERG, HARRY B., and J. E. OWENS. Fundamentals of arctic and cold weather medicine and dentistry. Washington, Research Division, Bureau of Medicine and Surgery, U. S. Navy Department [1949] vii, 204 p. incl. 4 plates. illus. (Project NM013 009; NAVMED 1307)

Contents: Eisberg, H. B. Arctic and cold weather medicine. Environment sketches of Alaska, Greenland and the Canadian archipelago with diagram of ground sections containing permafrost.

Flora and fauna. Simple list of fauna; and (p. 17-66) drawings and tables of edible fruits, berries, greens and roots, also poisonous plants.

Environmental sanitation. Includes notes on carbon monoxide poisoning, clothing and rations.

Medical supplies and equipment. Amphibious operations. Evacuation and treatment. Aviation medicine. Winter training. Acclimatization.

Medical problems: Snow blindness, cold effects (hypothermia), and frostbite.

Survival and rescue. Emergency living ashore, food, clothing, rescue.

Owens, J. E. Arctic and cold weather dentistry: Afloat, ashore, and dental problems in cold environment. Bibliography (114 items). Reviewed in *Arctic*, Apr. 1950, v. 3, no. 1, p. 68.

Copy seen: CaMAI; DSG; NNSStef.

4424. EISDALE. Observations on ground-ice. (Edinburgh new philosophical journal, July 1834. v. 17, p. 167-74)

Early theories on causes and mode of formation of anchor ice.

Copy seen: DLC.

4425. EISEN, AUGUST GUSTAF, 1847-1940. Enchytræids. (Harriman Alaska Expedition, 1899. Harriman Alaska series, 1904. v. 12, p. 1-166, 20 plates) Reissued without change and with an added title page, by Smithsonian Institution, 1910.

Based on collections of the Harriman Alaska Expedition, the *Vega* Expedition, and five private collectors. Taxonomic study with descriptions (in detail) and notes on localities of one new species from the Chukotsk Peninsula, and twenty-one (including nineteen new) species of land and fresh-water worms from southern Alaska and Aleutian Islands, with many others from California and elsewhere.

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4426. EISEN, AUGUST GUSTAF, 1847-1940. Om några arktiska oligochaeter. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1872, pub. 1873. Årg. 29, no. 1, p. 119-24, plate) *Title tr.:* On some arctic oligochaetes.

List, with synonymy, localities and remarks, of seven annelids, including two collected in West Greenland during the Swedish Expedition to Greenland, 1871.

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4426A. EISEN, AUGUST GUSTAF, 1847-1940. On the Oligochaeta collected during the Swedish expeditions to the arctic regions in the years 1870, 1875 and 1876. Stockholm, P. A. Norstedt, 1879. 49 p. 16 col. plates. (Svenska vetenskapsakademien. Handlingar. Bd. 15, no. 7)

Contains list, with synonymy and descriptions, of nine families (including sixteen new species), with localities in Greenland, Norway, Novaya Zemlya, Vaygach Island, Yamal Peninsula and the Yenisey region; with references to occurrence in Sweden and North America. Includes a section on the anatomy of Oligochaeta.

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4427. EISEN, AUGUST GUSTAF, 1847-1940. Redogörelse för Oligochaeter, samlade under de svenska expeditionerna till arktiska trakter. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1878, pub. 1879. Årg. 35,

no. 3, p. 63-79) *Title tr.:* Report on Oligochaeta collected during Swedish arctic expeditions.

List, with synonymy, localities and remarks, of species (mainly new) collected in northern Siberia, Novaya Zemlya, northern Norway and West Greenland during Swedish expeditions to the Yenisey and to Greenland.

Copy seen: DLC.

4428. EISENLOHR, LOUIS HENRY, 1859- , and RILEY WILSON. Memoirs from Philadelphia to Charlestown, Maryland, via Nome, Alaska. [Philadelphia, Keystone Publishing Co., c1918] 96 p. illus. (incl. ports., facsim.)

Reminiscences of a trip in 1917, by the Inside Passage to Skagway, thence to Dawson, down the Yukon River and to Nome. *Copy seen:* DLC; NNSf.

4429. DIE EISGRENZE ZWISCHEN GRÖNLAND - ISLAND - SPITZBERGEN. (Annalen der Hydrographie und maritimen Meteorologie, Juli 1897. Jahrg. 25, p. 313-16, fold. chart) *Title tr.:* The ice limits between Greenland, Iceland and Spitsbergen.

Based on a paper and chart by C. Ryder, *Isforholdene i Nordhavet 1877-1892*, published in *Tidsskrift for søvaesen* (København) 1896.

Contains brief discussion of the general relationships of currents, ice limits, and ice movement in Greenland Sea. *Chart:* Average and extreme ice limits in Mar., May and July, as of 1877-92.

Copy seen: DLC.

4430. EITEMAN, SYLVIA, and W. J. EITEMAN. Population pyramids. (Alaska life, June, 1944. v. 7, no. 6, p. 45-48, diagrs.)

Population pyramids ("graphic picture of a community's population by age groups") for 1910, 1920, 1930, and 1940, illustrating the movement of people in and out of Alaska; also discussion.

Copy seen: DLC.

4430A. EITEMAN, WILFORD JOHN, 1902- . Economic basis of prices in Alaska. (American economic review, June 1944. v. 34, p. 351-56)

Analysis (based on commercial statistics for 1938-42) of territorial income, exports, imports, retail prices of merchandise in Seattle, shipping costs, overhead, and subsequent retail prices in Alaska.

Copy seen: DLC.

EITEMAN, WILFORD JOHN, 1902-
see also Eiteman, S., & W. J. Eiteman.
Population pyramids. 1944.

4431. EKBLAW, WALTER ELMER,
1882-1949. The arctic voyages and the
discoveries of De Haven, Kane and Hall.
(American Philosophical Society. Pro-
ceedings, 1940. v. 82, p. 877-87)

Paper read before this society's Sym-
posium on American Polar Exploration,
Feb. 1940, sketching the activities in
the North American Arctic from the
time of Sir John Franklin to the death
of C. F. Hall.
Copy seen: DLC.

4432. EKBLAW, WALTER ELMER,
1882-1949. The Danish Arctic Station
at Godhavn. (Natural history, Nov.
1918. v. 18, p. 580-99, incl. 11 p. of illus.,
sketch map)

History of the station, established in
1905, on Disko Island, West Greenland,
notes on the environs, the research
program, and on Dr. M. P. Porsild,
the director.

Copy seen: DLC; NNStef.

4433. EKBLAW, WALTER ELMER,
1882-1949. The ecological relations of
the Polar Eskimo. (Ecology, Apr. 1921.
v. 2, p. 132-44, illus.)

Contains discussion of the racial
status, the historic perspective, the
physical surroundings (edaphic fac-
tors), the animals and plants (biotic
factors), and the climatic factors in
the environment of the Eskimos of
North Greenland; also remarks on their
group organization, travel, family,
home, dress, food and fuel, occupations
and character as responses to the en-
vironment.

Copy seen: DA.

4434. EKBLAW, WALTER ELMER,
1882-1949. Eskimo dogs—forgotten
heroes. (Natural history, Feb. 1936.
v. 37, p. 173-84, incl. 6 p. of illus.)

Notes on present-day strains of dogs
in the Arctic, the dog-team, sledges,
frozen food, also the use of dogs among
Thule Eskimos.

Copy seen: DLC; NNStef.

4435. EKBLAW, WALTER ELMER,
1882-1949. The food-birds of the Smith
Sound Eskimos. (Wilson bulletin, Mar.
1919. v. 31, p. 1-5)

Notes on the types of water birds
most used for food by the Polar Es-
kimos, and on methods of capture.

Copy seen: DSI-M.

4436. EKBLAW, WALTER ELMER,
1882-1949. The importance of nivation
as an erosive factor and of soil flow
as a transporting agency, in northern
Greenland. (National Academy of Sci-
ences of the U.S.A. Proceedings, 1918.
v. 4, p. 288-93)

Result of the author's observations
while a member of the Crocker Land
Expedition (American Museum of
Natural History and University of Illi-
nois). Discussion of two processes
working in the coastal areas of North
Greenland not covered by the perma-
nent icecap (Ingfield Gulf region).

Copy seen: DLC.

4437. EKBLAW, WALTER ELMER,
1882-1949. The material response of the
Polar Eskimo to their far arctic en-
vironment. (Association of American
Geographers. (Annals, 1927-1928. v.
17, p. 147-98. v. 18, p. 1-24, illus.) Also
issued as Ph.D. thesis to Clark Univer-
sity, 1926.

Based on the author's observations
while a member of the Crocker Land
Expedition, 1913-1917. *Contents:* In-
troduction (Thule, and the Polar Es-
kimo). Villages. Habitations. Dress. Food
(sources, storage, cooking). Hunting.
Travel (dogs and their care, sledges
and sledging, harness).

Copy seen: DGS.

4438. EKBLAW, WALTER ELMER,
1882-1949. The plant life of northwest
Greenland. (Natural history, Mar.
1919. v. 19, p. 272-91, incl. 11 p. of
illus.)

Results of observations during the
Crocker Land Expedition, 1913-17, on
which the author served as geologist
and botanist. A general description of
the vegetation, plant communities and
habitat factors, from Cape York to
Humboldt Glacier.

Copy seen: DLC; NNStef.

EKBLAW, WALTER ELMER, 1882-
1949, *see also* MacMillan, D. B. Four
years in the white North. 1918.

EKBLAW, WALTER ELMER, 1882-
1949, *see also* MacMillan, D. B. Four
years in the white North. 1925.

EKBLAW, WALTER ELMER, 1882-
1949, *see also* MacMillan, D. B. Four
years in the white North. 1933.

4439. EKHOLM, NILS GUSTAF, 1848-
1923. Observations faites au cap Thord-

sen, Spitzberg par l'expédition suédoise. Introduction historique. Stockholm, 1887. 40 p. illus., 2 plates, fold. map (International Polar Year, 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden, Spitzberg. T. 1:1) *Title tr.*: Observations made at Cape Thorsden, Spitsbergen by the Swedish Expedition. Historical introduction.

Contains an account of the organization, personnel, plan, and building of the observatory; the activities during the autumn, polar night, spring and summer, with an essay on horticulture in West Spitsbergen by R. Gyllencreutz; and a list of instruments and equipment.

Copy seen: DLC.

4440. EKHOLM, NILS GUSTAF, 1848-1923. Observations faites au Cap Thorsden, Spitzberg, par l'expédition suédoise. Observations astronomiques, géodésiques et marégraphiques . . . Appendice: Reconnaissance géographique, par H. Stjernspetz. Stockholm, 1891. 2 p. l., 55 p. incl. tables. 2 fold. maps. (International Polar Year, 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden, Spitzberg. T. 1:2) *Title tr.*: Observations made at Cape Thorsden by the Swedish Expedition. Astronomic, geodetic and tidal observations. Appendix: Geographic reconnaissance, by H. Stjernspetz.

Contains account of instrumentation and methods, and tables of astronomical time, latitude, longitude and azimuth for Cape Thorsden, 78°20'N. 15°E.; with tidal observations, every 15 minutes (or more frequently) Aug. 6-10, 1883. *Appendix*: Brief account of the very limited efforts to survey in Dickson Bay (78°35'-57'N. 15°10'-30'E.) with the resultant map.

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4441. EKHOLM, NILS GUSTAF, 1848-1923. Observations faites au cap Thorsden, Spitzberg, par l'expédition suédoise. Observations météorologiques. Stockholm, 1890. 5 p. l., 278 p. incl. tables. 13 plates (diags.) (International Polar Year, 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden, Spitzberg. T. 1:3) *Title tr.*: Observations made at Cape Thorsden, Spitsbergen by the Swedish Expedition. Meteorological observations.

Contains results from work at the station located at 78°20'N. 15°E. on West Spitsbergen, occupied for the making of observations, from Aug. 15, 1882 to Aug. 23, 1883. Detailed account (p. 1-96) of the instrumentation, methods of calibration, and problem of air hygrometry during very low temperatures. Tables (p. 97-278) of hourly observations or registrations of the meteorological elements, including detailed observations of cloud heights and movements; four daily measurements of snow and soil temperatures; daily snow depth and evaporation measurements; daily periods of brilliant sunshine, and notes on ice conditions over Ice Fiord. Graphs of diurnal and annual courses of various elements.

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4442. EKHOLM, NILS GUSTAF, 1848-1923. Om Andrées ballongfärd under de två första dagarna. (Ymer, 1897. Årg. 17, p. 239-46, illus.) *Title tr.*: On Andrée's balloon trip during the first two days.

Conjectures on the balloon flight July 11-13, 1897, based on Andrée's message by carrier pigeons and wind observations made on those days.

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4443. EKHOLM, NILS GUSTAF, 1848-1923. Om väderleksförhållandena i norra polarområdet under sommaren, särskildt med afseende på den tiltänkta polarfärden i luftballong. (Ymer, 1895. Årg. 15, p. 211-18) *Title tr.*: On weather conditions in the Arctic during the summer, especially in regard to the proposed arctic expedition in a balloon.

Discussion based on observations made by previous expeditions and on recent meteorological research.

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4444. EKHOLM, NILS GUSTAF, 1848-1923. Den svenska naturvetenskapliga iakttagelsestationen på Spetsbergen, 1882-83. (Ymer, 1884, pub. 1885. Årg. 4, p. xiv-xvi) *Title tr.*: The Swedish scientific observatory on Spitsbergen, 1882-83.

Report of a lecture describing the Swedish meteorological expedition to Spitsbergen, during the First International Polar Year, 1882-1883, and discussing the scientific work done at the meteorological observatory at Cape Thorsden, West Spitsbergen.

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4445. EKHOLM, NILS GUSTAF, 1848-1923, and G. V. E. SVEDENBORG. S. A. Andrée's ballongfärd mot nordpolen 1847-97; några minnesord. [Stockholm] Aktiebolaget Svensk motortidnings förlag [1922] 68 p. illus. port. (Kungl. svenska aeroklubbens skriftserie, 6. *Title tr.*: S. A. Andrée's balloon flight towards the North Pole July 11th, 1897; some memorial remarks.

Contents tr.: 1. Andrée as a member of the Physical-Meteorological Expedition to Spitsbergen, 1882-1883. 2. Andrée as the first experimenter of scientific aviation in Sweden. 3. S. A. Andrée's recommendation for an arctic expedition in a balloon. The realization of this recommendation, the equipment of the expedition and the trip to Spitsbergen, 1896. 4. Useless attempts to induce Andrée to make satisfactory improvements in equipment for the 1897 expedition. The measures approved by Andrée for the improvement of the expedition. Andrée, Strindberg and Fraenkel's departure from Danish Island July 11, 1897; their probable fate. 5. The arctic expedition 1897; some diary notes, by Lieutenant Colonel G. V. E. Svedenborg. 6. Literature concerning S. A. Andrée and his companions' expeditions towards the North Pole and circumstances relating to it, p. 62-68. *Copy seen*: DLC.

EKHOLM, NILS GUSTAF, 1848-1923, see also Andrée, S. A. Nordpolsballong-expeditionens utrustning. 1896.

4446. EKIMOV, P. P. Opređenje srednej temperature skvazhin pri burenij v vechnoj merzlotě. (Problemy Arktiki, 1940, no. 5, p. 121-23, table) *Title tr.*: Determination of the mean temperature of bore holes in permafrost.

Temperature measurements in borings made in several arctic localities and methods of calculating mean temperature. *Copy seen*: DLC.

4447. EKLUND, CARL ROBERT, 1909- , and L. D. COOL. Waterfowl breeding ground survey in the Ungava Peninsula, Quebec, 1949. (In: Crissey, W. F., and others. Waterfowl populations and breeding conditions—summer 1949, pub. 1949, p. 19-23, incl. tables, sketch map)

Based on field work north of Payne Lake with aerial surveys, carried out June 29-Aug. 3, 1949, in the area between Hudson and Ungava Bays, sup-

ported by the Arctic Institute of North America in cooperation with the U. S. Fish and Wildlife Service. Description of aerial transects, ground surveys and methods of sampling, notes on the tundra and taiga habitats, discussion of nesting and banding, especially of the Canada goose, old squaw, and eider duck, and tabular results of census made of geese and ducks.

Copy seen: CaMAI; DF.

4448. EKLUND, OLE. *Potentilla egedi* Wormsk., ein arktisches Pseudorelikt aus Südwestfinnland. Nebst einigen systematisch-phytogeographischen Spekulationen. (Societas pro fauna et flora fennica. Memoranda, 1925-26, pub. 1927, v. 4, p. 17-20) *Title tr.*: *Potentilla egedi* Wormsk., a pseudorelict from southeastern Finland, with some systematic-phytogeographical conjectures.

Contains a study of the geographical distribution of *Potentilla egedi* known in Sweden from Korpo (south Sweden) to Petsamo, and reported also from the White Sea coast, Kanin Peninsula, Greenland and northern America: The author forms some conjectures of the origin and character of this "Wanderrelikte" (migrating relict).

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4449. EKLUND, OLE. Über *Rumex thyrsiflorus* Fingerh. im ostfennoscandischen Florengbiet. (Societas pro fauna et flora fennica. Memoranda, 1924-25, pub. 1927, v. 1, p. 20-29) *Title tr.*: On *Rumex thyrsiflorus* Fingerh. in the floristic region of eastern Fennoscandia.

Contains critical notes and detailed study of geographical distribution of this herb, *Rumex thyrsiflorus*, native to Baltic countries and distributed mostly in eastern Fennoscandia spreading through Russian Karelia to Kola Peninsula.

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4450. EKLUND, OLE. Zur systematik und Verbreitung der Gattung *Oxycooccus* Hill. in Fennoscandia orientalis. Helsingforsiae. 1926. 16 p. (Societas pro fauna et flora fennica. Acta, 1924-1929, pub. 1926, v. 55, no. 4) *Title tr.*: On systematics and distribution of the genus *Oxycooccus* Hill. in eastern Fennoscandia.

Contains data on general distribution of *Oxycooccus* Hill., a genus of small ericaceous shrubs; a critical list of eight forms, including one new form

and five hybrids, and detailed data on distribution of *O. microcarpus*, *O. microcarpus* f. *leucocarpa* and *O. microcarpus* x *quadripetalus*, occurring in Finnish and Russian Lapland; bibliography (28 items).

Copy seen: MH-A.

4451. EKMAN, ELISABETH, 1862-1936. *Antennaria frieseana* (Trautv.). (Svensk botanisk tidskrift, 1928. Bd. 22, häfte 1-2, p. 416)

Contains a taxonomic note, raising *Antennaria alpina* var. *frieseana* Trautv. (an arctic herb, native to Kolyma River basin, Greenland and Labrador) to status of a species and reducing *Antennaria angustifolia* (formerly described by the author as a new species from Greenland) to a synonym of *A. frieseana*.

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4452. EKMAN, ELISABETH, 1862-1936. Contribution to the *Draba* flora of Greenland. II-VIII. (Svensk botanisk tidskrift, 1930-1935. Bd. 24, p. 280-97, plate; Bd. 25, p. 465-94, plate; Bd. 26, p. 431-47, 1 fig.; Bd. 27, p. 97-103, 339-46; Bd. 28, p. 66-83, 2 figs.; Bd. 29, p. 348-64, 2 figs.) Part 1 appeared as the second part of the author's *Studies in the genus Draba*, 1930, q.v.

Detailed discussion of taxonomy and Greenland distribution; notes on circumpolar distribution and varieties with descriptions of *D. daurica* (pt. 2), fourteen (including one new) species of the sections *Aizopsis* and *Chrysodroma* (pt. 3), *D. fladnizensis* Wulf. and *D. lactea* Adams (pt. 4), *D. crassifolia* Graham, *D. Gredinii* nov. spec. (pt. 5), *D. nivalis* (pt. 6), *D. altaica* and *D. subcapitata* (pt. 7), and *D. incana* L., *D. Thomasii* Kock (pt. 8).

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4453. EKMAN, ELISABETH, 1862-1936. The dissepiment in the genus *Draba*. (Svensk botanisk tidskrift, 1928. Bd. 22, häfte 3, p. 482-83)

Contains a discussion of incomplete dissepiment (a partition in an ovary or pericarp) in some arctic species such as *Lesquerella arctica*, *Draba rupestris* (Greenland), *D. subcapitata* (Svalbard), etc.

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4454. EKMAN, ELISABETH, 1862-1936. Hvad är *Draba hirta*? (Botaniska notiser, 1913, häfte 4, p. 183-92) *Title tr.*: What is *Draba hirta* L.?

Contains a critical study of the doubtful species *Draba hirta* L., a herb occurring in Swedish Lapland, and held by the author to be a collective species comprising some other species of *Draba* also considered in this paper.

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4455. EKMAN, ELISABETH, 1862-1936. Några ord om slaket *Draba*'s utbredning. (Svensk botanisk tidskrift, 1936. Bd. 30, häfte 3, p. 239-43) *Title tr.*: Some words on the distribution of genus *Draba*.

Contains data on general distribution of various species of herbaceous genus *Draba* in Scandinavia, U.S.S.R., Greenland, arctic America, Canada, etc.

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4456. EKMAN, ELISABETH, 1862-1936. Några växtlokaler för *Antennaria alpina* (L.) Gaertn. f. (Svensk botanisk tidskrift, 1927. Bd. 21, häfte 1, p. 93-94) *Title tr.*: Some localities of *Antennaria alpina* (L.) Gaertn.

Contains a list of nineteen localities of *Antennaria alpina*, an arctic herb, from Torne and Lule Lappmark and Kvikkjokk regions of Swedish Lapland.

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4457. EKMAN, ELISABETH, 1862-1936. Nomenclature of some North-European Drabae. Uppsala & Stockholm, Almqvist & Wiksell, 1912. 17 p. plate. (Arkiv för botanisk, 1912-1913, pub. 1912. Bd. 12, no. 7)

Contains critical notes on nine species of the herbaceous genus *Draba*, including six species native to Swedish Lapland.

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4458. EKMAN, ELISABETH, 1862-1936. Notes on some Greenland *Antennariae*. (Svensk botanisk tidskrift, 1927, Bd. 21, häfte 1, p. 49-57)

Contains critical notes on various species of herbaceous genus *Antennaria*, including Latin descriptions of *A. porsildii*, n. sp. from Denmark Island (70°30'N.) and Torne Lappmark, *A. angustifolia* n. sp. from Greenland and Labrador, *A. alpina latifolia* and *A. glabrata tomentosa* new form from Umanak Island (Greenland). For correction of this paper, see: Ekman, E. *Antennaria frieseana*, 1928.

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4459. EKMAN, ELISABETH, 1862-1936. Notes on the genus *Draba*. A posthumous, unfinished fragment.

(Svensk botanisk tidskrift, 1941. Bd. 35, häfte 2, p. 133-42)

Contains a key to twenty-nine species of herbaceous genus *Draba* native to Greenland, taxonomic notes on a collective species *D. rupestris* and a survey of its types with special reference to Scandinavia, establishing eleven sub-species, including those native to Swedish Lapland, Greenland and Jan Mayen. Preface by Th. Arwidsson; appendix under sub-title "Some chromosome numbers in *Draba*" by Otto Heilborn, listing twelve species, including six from Greenland, one from Swedish Lapland and one from Novaya Zemlya.

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4460. EKMAN, ELISABETH, 1862-1936. Some notes on the hybridization in the genus *Draba*. (Svensk botanisk tidskrift, 1932. Bd. 26, häfte 1-2, p. 198-200)

Contains botanical and cytological data on hybridization in herbaceous genus *Draba*, including *D. lactea* x *D. nivalis* and *D. fladnizensis* x *D. lactea*, collected by the author in Greenland. The attempt to establish the identity of parent plants of some other Greenland hybrids was not successful.

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4461. EKMAN, ELISABETH, 1862-1936. Studies in the genus *Draba*. (Svensk botanisk tidskrift, 1929, pub. 1930. Bd. 23, häfte 4, p. 476-95, illus.)

Contains in the first part of this paper a discussion of the origin and systematic position of some species of herbaceous genus *Draba*, including some native to Swedish Lapland, and in the second part, under subtitle "Contributions to the *Draba* flora of Greenland," an enumeration with synonymy, critical notes and detailed data on general and local distribution. For continuation see Ekman, E. *Contributions to the Draba flora of Greenland, II-VIII*, 1930-35.

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4462. EKMAN, ELISABETH, 1862-1936. Three new bicentric plants in the south of Norway. (Nytt magasin for naturvidenskapene, 1928. Bd. 66, p. 93-95)

Contains notes on taxonomy and geographic distribution of three bicentric plants, *Braya glabella*, *Stellaria longipes* and *Draba lapponica* (= *D. wahlenbergii*) which have two different

ranges of distribution; one in the arctic Scandinavia and the other in southern Norway.

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EKMAN, ELISABETH, 1862-1936, see also Grøntved, J. Vascular plants 5th Thule Exped. 1937.

4463. EKMAN, ERIK LEONARD, 1881-1931. *Galium mollugo* L. och dess underarter i Sverige. (Botaniska notiser, 1912, häfte 6, p. 289-96) *Title tr.:* *Galium mollugo* L. and its sub-species in Sweden.

Contains a taxonomic study of *Galium mollugo* L. and its lower forms, with keys, descriptions and critical notes; includes forma *angustifolium* extending to Lule Lappmark.

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4464. EKMAN, FREDRIK LAURENTZ, 1830-. Analyser af vattenprof från Murmanska och Kariska hafven, tagna under 1875 års expedition. (In: Nordenskiöld, N.A.E. Redögörelse för en expedition till mynningen af Jenissej och Sibirien, år 1875, p. 110-11. Pub. in: Svenska vetenskapsakademien. Handlingar. Bihang, 1877. Bd. 4, no. 1) *Title tr.:* Analyses of water samples from the Murmansk and Kara Seas made during the expedition of 1875.

Observations of salinity at various depths in the Kara and Barents Seas, June-Sept., 1875. *Copy seen:* DLC.

4465. EKMAN, FREDRIK LAURENTZ, 1830-. Vattenprof från Kariska hafvet, Matotschkin Schar och Jenisej, hemförda af frih. A. E. Nordenskiöld under 1876 års svenska ishafsexpeditionen. (Ymer, 1882, årg. 2, p. 140-41) *Title tr.:* Water samples from the Kara Sea, Matochkin Shar and the Yenisey, brought back by A. E. Nordenskiöld during the Swedish Arctic Expedition 1876.

Tabular record of surface temperature and salinity July 31-Sept. 7, 1876, with a very few samples from depths of 1-60 meters. *Copy seen:* DLC.

EKMAN, GUSTAF, 1852-1930, see Pettersson, S. O., & G. Ekman. Hydrographischen Verhältnisse des nördlichen Nordmeers. 1898.

4466. EKMAN, SVEN PETRUS, 1876-. Om Torneträsks röding, sjöns naturförhållanden och dess fiske. Stockholm,

P. A. Norstedt & Söner, 1912. 1 p. l., vi, 54 p. tables, fold. col. map. *Title tr.*: On the char of Torne Träsk, the physical nature of the lake, and its fishery.

Report on part of the scientific and practical investigations in Lapland under auspices of the Luossavaara-Kiirunavaara Corporation. Discusses the physical characteristics of Torne Träsk (a lake in northern Sweden about 68°-15'-68°30'N. 18°20'-18°30'E.): temperature, clarity of water (degree of turbidity), lower forms of animal life in the lake, plankton, bottom fauna; the various strains of char in the lake; general observations and investigations of the Swedish char; spawning places and periods; parasites; sustenance; the char fishery; other fishes in the Torne Träsk lake region; transplantation of other fish varieties, etc. Includes map, showing depths in the Torne Träsk region (based on investigations, 1904-05) by Otto Sjögren.

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4467. **EKMEN, SVEN PETRUS, 1876-**. Süßwasserkrustazeen aus Nowaja Semlja. Kristiania, 1923. 16 p. illus. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 10) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania). *Title tr.*: Fresh-water crustaceans from Novaya Zemlya.

Descriptions of five species of fresh-water crustaceans (one new), collected from two lakes, and discussion of twelve species previously found. Bibliography, p. 16. *Copy seen:* DLC.

4467A. **EKMEN, VAGN WALFRID, 1874-**. Om jordrotationens inverkan på vindströmmar i hafvet. (Nytt magasin for naturvidenskapene, 1902. v. 40, p. 37-63) *Title tr.*: Influence of the earth's rotation on wind currents in the ocean.

Nansen observed during the drift of the *Fram* that wind-propelled currents at the ocean's surface had a systematic deviation in direction from the wind direction by 20 to 40 degrees to the right. He explained this as due to the influence of the earth's rotation; further, he reasoned that any layer of the ocean would influence the layer below it not unlike the wind influences the sea surface, and hence the deviation of the current direction from the wind

direction must increase with the depth of the layer below the water surface. He suggested a theoretical investigation of these conclusions, which Ekman carried out under a number of far-reaching simplifying assumptions and reported in this fundamental paper. He assumed that the surface of the ocean is plane, that at all points of a plane parallel to this surface, the velocity is the same, and that the coefficient of apparent (turbulent) friction is constant throughout the ocean. A pair of differential equations is deduced and a complete solution for the case of a steady wind is given. The solution essentially bears out Nansen's observations and reasoning, giving a current velocity direction at the surface 45° to the right of the wind direction and a velocity distribution changing from the surface downward like the steps of a narrowing spiral stairway ("Ekman's spiral"). For the case of a wind suddenly starting after calm (and then remaining steady an approximate solution of the problem is given. The result indicates that in arctic waters 12 to 24 hours after the start of the wind, the velocity distribution is virtually as in the steady case (i.e. as if the wind had always been present), while at lower latitudes this time lag increases in indirect proportion to the sine of the latitude.

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4468. **EKMEN, VAGN WALFRID, 1874-**. On dead water: being a description of the so-called phenomenon often hindering the headway and navigation of ships in Norwegian fjords and elsewhere, and an experimental investigation of its causes etc. [Christiana [etc.] J. Dybwad, 1906] x, 152 p. illus., 17 plates (incl. chart, diagrs., part fold.) tables. (Nansen, Fridtjof, ed. Norwegian North Polar Expedition 1893-96. Scientific results. v. 5, no. 15) Includes preface by Prof. Vilhelm Bjerknes.

Basic work on the phenomenon observed by Nansen in the *Fram*, and others. Contains accounts of mariners' experiences (in brief), theoretical discussion and results of Ekman's laboratory experiments (in detail) with mathematical treatment. Deals with the interface wave generated by ship motion on the interface between two layers of heavier (saltier) and lighter (or fresh) water. Ekman shows that if the ship is

unable to outrun the natural propagation of this interface wave, it will require a great amount of energy to proceed at all.

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4468A. EKMAN, VAGN WALFRID, 1874- . On the influence of the earth's rotation on ocean-currents. 52 p. plate, diagrs. (Archiv för matematik, astronomi, och fysik, 1905. Bd. 2, no. 11).

Here (as well as in numerous later papers of the author and his students) the results published in the paper of 1902 are reexamined, followed up and improved upon. In the present paper the arbitrary assumption of an infinite ocean surface is omitted, that is methods are shown for examining the influence of continents and of neighboring currents: in particular the case of a straight coast and an "enclosed sea" are studied. The author also investigates how a more realistic law of friction could be introduced instead of the arbitrary assumption of a constant coefficient of apparent friction. A brief note on a laboratory experiment of C. A. Bjerknes is added.

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4469. EKMAN, VAGN WALFRID, 1874- . Über Totwasser. (Annalen der Hydrographie und maritimen Meteorologie, Dez. 1904. Jahrg. 32, p. 562-74, 2 plates) *Title tr.:* On dead water.

An abstract of the main results fully described in the author's *On dead water*, 1906, q.v.

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4470. EKSPEDITSIYA BRATEV KUZNETSOVYKH NA POLIARNYI URAL, 1909. Résultats scientifiques de l'Expédition des frères Kuznecov à l'Oural Arctique en 1909, sous la direction de H. Backlund. St.-Petersbourg, 1911-16. 18 v. in 1. illus., plates (part fold), maps (part fold.), tables. (Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, nos. 1-15, 17, 19-20) *Title tr.:* The scientific results of the Kuznetsov Brothers Expedition to the arctic Ural in 1909, under the command of H. Backlund.

Russian title supplied: Nauchnye rezultaty ekspeditsii brat'ev Kuznetsovykh na poliarnyi Ural v 1909 g., pod nachal'stvom O. O. Baklunda. Series titles in Russian and French. Text of the papers in German, Russian, French, or Latin. No. 16, 18, and any numbers after no. 20 are not located, or known to have been published.

The expedition was initiated and financed by the brothers Nikolaï Grigor'evich and Grigorii Grigor'evich Kuznetsov, and was "under the protection" of the Academy. H. G. Backlund, geologist and the leader, was accompanied by N. A. Grigor'ev, topographer, V. N. Sukachev, botanist, V. G. Mukhin, geologist, O. T. Ivanovich, ethnographer, F. A. Zaitsev and D. Ia. Vardropper, zoologists. The purpose of the expedition was to explore the arctic Ural to Baydaratskaya Bay, from the natural science point of view (May-Oct. 1909).

Contents tr.: 1. BACKLUND, H. G. A general survey of the activities of the Kuznetsov Brothers' expedition to the arctic Ural in the summer of 1909.

2. FUS. V. E. The astronomical determinations of the expedition to the arctic Ural in the summer of 1909.

3. BACKLUND, H. G. The rocks of the arctic Ural and their mutual relationship. Part I. The eastern slope in the region of the Khanema and Khara-va Rivers.

4. VAGNER, IŮ. N. A note on the genus *Amphipsylla* Wagn.

5. KLAPÁLEK, F. Plecoptera.

6. NAVÁS, L. Neuroptera.

7. BECKER, T., and others. Diptera.

8. RIEDEL, M. P. Nematocera Polyneura.

9. ANNANDALE, N. Description of a fresh-water sponge from north-western Siberia.

10. LINDHOLM, W. Mollusca.

11. KULCZYŃSKI, V. Araneae of the Siberian western Arctic.

12. PETERSEN, ESBEN. Ephemerida.

13. LINNANIEMI, W. Collembola.

14. ENSLIN, E. Tenthredinidae.

15. FRIESE, H. Wasps and bees.

17. KARAVAIEV, V. Formicidae.

19. KIRICHENKO, A. N. The true bugs (Hemiptera-Heteroptera).

20. MARTYNOV, A. V. Trichoptera.

Each of these papers appears in this Bibliography under its author's name.

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4471. EKSPEDITSIYA IMPERATORSKOI AKADEMII NAUK NA NOVUŮ ZEMLIŮ, 1896. Otchet ob ekspeditsii Imperatorskoï Akademii nauk na NovuŮ ZemliŮ liŝtom 1896 goda. St.-Petersburg, 1898. 244 p. 8 plates, 6 col. maps (5 fold.), tables. (Akademiia nauk SSSR. Mémoires. Sér. 8, Classe

physico-mathematique. Vol. 8, no. 1)
Title tr.: Report of the expedition of the Imperial Academy of Sciences to Novaya Zemlya in the summer of 1896.

Report of the expedition, organized by the Academy with the cooperation of the Pulkovo Observatory, to observe the total solar eclipse of Aug. 8-9, 1896, and make astronomical, topographic, magnetic, meteorologic and zoologic studies at a station set up at Malyye Karmakuly, and in the interior of Novaya Zemlya. The personnel was headed by the Director of Pulkovo Observatory, O. A. Baklund (Oscar Backlund, 1846-1916, q.v.), and Prince B. B. Golitsyn of the Academy.

Contents tr.: GOLITSYN, Prince B. B. A general account of the activities of the expedition, p. 3-78.

KOSTINSKII, S. Astronomical and topographic determinations on Novaya Zemlya in 1896, p. 79-127.

GOLITSYN, Prince B. B. The photogrammetric survey, p. 129-69.

IAKOBSON, G. The zoological investigations on Novaya Zemlya in 1896. The insects of Novaya Zemlya, p. 171-244. Each of these papers appears in this Bibliography under its author's name.

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4472. **ĖKSPEDITSIYA NA SAMOLETE "SSSR-N-169" V RAION "POLIUSA NEDOSTUPNOSTI."** Nauchnye rezultaty. Moskva-Leningrad. Izd-vo Glavsevmorputi, 1946. 195, [3] p., illus., ports., maps, diagrs. **Heading and title tr.:** Expedition on the airplane U.S.S.R. N-169 to the region of the Pole of Inaccessibility. Scientific results.

Report of the Russian expedition under I. I. Cherevichnyi in 1941, to the region in the Arctic Basin north of Beaufort Sea, hitherto relatively inaccessible and unexplored, around 84° N. 160° W.

Contents tr.: VIZE, V. I. U. Preface.

LIBIN, I. A. S. The U.S.S.R. N-169 Expedition.

CHEREVICHNYI, I. I. Where man had not set foot before.

AKKURATOV, V. I. Aerial navigation in high latitudes.

OSTREKIN, M. E. Astronomical determinations.

LIBIN, I. A. S. Hydrological observations.

CHERNIGOVSKII, N. T. Meteorological observations.

KOMOVA, O. N. The synoptic situation in the region of the Pole of Relative Inaccessibility.

CHERNIGOVSKII, N. T. Actinometric observations.

OSTREKIN, M. E. Magnetic determinations.

BOGOROV, V. G. Some notes on plankton in the polar basin.

The preface by Vize (p. 8-10), English translation, p. 11-13) describes the flight and work done by the party during landings on the ice. Each paper (except the preface) appears in this bibliography under its author's name. Summaries in English. Reviewed in *The arctic circular*, Aug. 1948. v. 1, no. 6, p. 57-60.

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4473. **ĖKSPEDITSIYA SSSR NA SEVERNYI POLIUS, 1937.** Al'bom oblatkov. (In its: Trudy Dreifuushchei stantsii "Severnyi poliūs", 1940-45. T. 2, p. 399-423, 12 plates) **Title tr.:** Album of clouds.

Twenty-four photographs of various cloud types as viewed from the ice-floe drifting station "North Pole" and from aeroplanes in the vicinity of the station.

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4474. **ĖKSPEDITSIYA SSSR NA SEVERNYI POLIUS, 1937.** Al'bom sinopticheskikh kart. (In its: Trudy Dreifuushchei stantsii "Severnyi poliūs", 1940-45. T. 2, 58 charts on p. 425-84) **Title tr.:** Album of synoptic charts.

A synoptic weather analysis for nine airplane flights from May 5-Sept. 19, 1937 and nine flights in other years in the high altitudes. Includes data on frontal positions as well as distribution of meteorological elements horizontally and vertically.

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4475. **ĖKSPEDITSIYA SSSR NA SEVERNYI POLIUS, 1937.** Rezul'taty meteorologicheskikh nablūdenii. (In its: Trudy Dreifuushchei stantsii "Severnyi poliūs", 1940-45. T. 2, p. 201-397) **Title tr.:** Results of meteorological observations.

The results of meteorological observations taken every six hours on the drifting ice-floe station "North Pole", and hourly registerings of pressure and temperature during the period May 22, 1937-Jan. 31, 1938 are tabulated.

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4476. **ĖKSPEDITSIYA SSSR NA SEVERNYI POLIUS, 1937.** Trudy Dreifuushchei stantsii "Severnyi poliūs";

nauchnye otchety i rezul'taty nablūdenii Dreifufushchei ēkspeditīi Glavsevmorputi 1937-38 gg. [Leningrad-Moskva] Izd-vo Glavsevmorputi, 1940-45, 2 v. illus., plates, ports (part mounted) maps (1 fold.) tables, diagrs. (part fold.) **Title tr.:** Transactions of the Drifting Station "North Pole"; scientific reports and results of the Drifting Expedition of the Main Administration of the Northern Sea Route, 1937-38.

The Expedition U.S.S.R. to the North Pole 1937, consisting of several planes under the leadership of O. ū. Shmidt, was organized by the Main Administration of the Northern Sea Route, U.S.S.R. for the purpose of establishing at the North Pole a station for studying meteorological, oceanographic and other factors influencing conditions on seas along the northern Russian coast. The drifting station "North Pole" thus established continued regular observations under the direction of I. D. Papanin during the nine-month drift southward, roughly parallel to the East Greenland coast, May 21, 1937-Feb. 19, 1938.

Contents tr.: v. 1. SHMIDT, O. ū. Expedition to the North Pole.

PAPANIN, I. D. The Drifting Station.

SHEVELEV, M. I. The flight.

KRENKEL, E. T. The Radio station "Upol".

FEDOROV, E. K. Astronomical determinations.

v. 2. FEDOROV, E. K. Meteorological instruments and observations.

DZERDZEEVSKII, B. L. Meteorological service of the expedition.

DZERDZEEVSKII, B. L. Circulation of atmosphere in the central polar basin.

ĖKSPEDITSIĖ SSSR na Severnyi poliūs 1937. Results of meteorological observations. Album of clouds. Album of synoptic charts.

Each of these papers appears in this Bibliography under the author's name. Fold. map and fold. diagram (in pocket in v. 1) show daily position of the ice-floe drifting station, and the course of the drift.

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4477. EKSTAM, OTTO, 1870-. Beiträge zur Kenntnis der Gefäßpflanzen Spitzbergen's. (Trømsø, Norway. Museum. Årshefter, 1897, pub. 1899. Bd. 20, p. 67-71) **Title tr.:** Contributions

to knowledge of the vascular plants of Spitzbergen.

Based on collections made in the Ice Fiord region, July-Aug. 1897. Notes on twelve species of indigenous plants and a list of fifteen introduced species; with a bibliography (8 items).

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4478. EKSTAM, OTTO, 1870-. Beiträge zur Kenntnis der Musci Novaja Semlja's. (Tromsø, Norway. Museum. Årshefter, 1897, pub. 1899. Bd. 20, p. 72-80) **Title tr.:** Contributions to knowledge of the mosses of Novaya Zemlya.

Contains a list of forty-five species collected by the author, 1891 and 1895 in the Matochkin Shar and Karmakuly Bay regions; notes on the species new to various areas in the region; and a list of the (then) known species, showing their distribution between 69°-74°N.

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4479. EKSTAM, OTTO, 1870-. Bidrag till kännedomen om Novaja Semljas fanerogam-vegetation. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1894. Årg. 51, p. 171-75) **Title tr.:** A contribution to the knowledge of the phanerogam flora of Novaya Zemlya.

Contains geobotanical notes on the vegetation of Novaya Zemlya, based on the author's observations during a trip in the Matochkin Shar region in 1891; mentions about seventy species of phanerogams.

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4480. EKSTAM, OTTO, 1870-. Einige blütenbiologische Beobachtungen auf Novaja Semlja. (Tromsø, Norway. Museum. Årshefter, 1895, pub. 1897. Bd. 18, p. 109-198) **Title tr.:** Some observations on the biology of flowering plants of Novaya Zemlya.

Result of work carried out by the author during the summers of 1891 and 1895, in the Matochkin Shar, Gibrorovaya Bay and Karmakuly regions. A list, with habitats, and biological notes on sixty-four species of flowering plants; and discussion of the time of flowering, size, odor and color of flowers, pollination, fruit and pollen maturation, form and distribution; with a bibliography (38 items).

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4481. EKSTAM, OTTO, 1870-. Einige blütenbiologische Beobachtungen auf

Spitzbergen. (Tromsø, Norway. Museum, Årshefter, 1897, *pub.* 1899. Bd. 20, p. 1-66) *Title tr.*: Some observations on the biology of flowering plants on Spitsbergen.

Based on studies made in the Ice Fiord region, July-Aug., 1897. A systematic list, with biological notes, of the forty species of flowering plants found; discussion of the time of flowering, size, odor, and color of flowers; fruit and pollen maturation, form and distribution; bibliography (43 items).

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4482. EKSTAM, OTTO, 1870-. Nachträgliche Bemerkungen zur Kenntnis der Gefässpflanzen Novaja Semlja's. (Botanische Jahrbücher systematik pflanzengeschichte und pflanzengeographie begründet von A. Engler, 1897. Bd. 23, Heft 5, p. 575-77) *Title tr.*: Supplemental remarks towards knowledge of the vascular plants of Novaya Zemlya.

Contains a list of fifty-six vascular plants collected by the members of the Netherlands expedition on the Willem Barents to Novaya Zemlya and Vaygach Island in 1881. It is published as a supplement to Ekstam, O. *Neue Beiträge zur Kenntnis d. Gefässpflanzen Novaja Zemlja's* 1896, q.v.

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4483. EKSTAM, OTTO, 1870-. Neue Beiträge zur Kenntnis der Gefässpflanzen Novaja Semlja's. (Botanische Jahrbücher für systematik, pflanzengeschichte und pflanzengeographie begründet von A. Engler, 1896, *pub.* 1897. Bd. 22, Heft 2, p. 184-201) *Title tr.*: New contributions to the knowledge of the vascular plants of Novaya Zemlya.

Contains a geobotanical study of the vascular plants of Novaya Zemlya, based on material collected by the author on his exploring trips in the summers of 1891 and 1895, with descriptions of four new species and a systematic enumeration of about two hundred vascular plants. *Copy seen:* MH-A.

4484. EKSTAM, OTTO, 1870-. Om phyllodie hos *Cornus suecica* L. (Botaniska notiser, 1894, p. 111-12) *Title tr.*: On phyllody of *Cornus suecica* L.

Contains a study of phyllody (reversion of floral organs to leaves) of *Cornus suecica*, based on material from Gellivara, Swedish Lapland.

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4485. EKSTAM, OTTO, 1870-. Zur Kenntnis der Blütenbestäubung auf Novaja Semlja. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1894. Årg. 51, p. 79-84) *Title tr.*: Contribution to the knowledge of pollination of Novaya Zemlya.

Discussion of pollination, observed during the author's sojourn at Matochkin Strait, Novaya Zemlya, 1891, as compared with pollination in other arctic regions.

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EKSTAM, OTTO, 1870-, *see also* Arwidsson, T. Über einige v. O. Ekstam gesammelte Gefässpflanzen. 1933.

EKSTAM, OTTO JOSEPH AGATON, *see* EKSTAM, OTTO, 1870-.

4486. EKSTRAND, EMIL VIKTOR, 1841-1882. Resa till Nordland och Torne Lappmark 1880. (Botaniska notiser, 1881, no. 6, p. 187-99) *Title tr.*: A journey to Nordland and Torne Lappmark in 1880.

Contains an account of an exploring trip by the author and a student, K. P. Hägerström, to Nordland and Torne Lappmark in June of 1880, with scattered notes on various plants observed and a list of mosses characteristic of the bryological flora of those regions.

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4487. ELDRIDGE, GEORGE HOMANS, 1854-1905. A reconnaissance in the Sushitna Basin and adjacent territory, Alaska, in 1898. (U. S. Geological Survey. Annual report, 1898-99, *pub.* 1900. v. 20, pt. 7. Explorations in Alaska in 1898. p. 1-29, 6 plates, 3 fold. maps)

Report on a U. S. Geological Survey party's traverse of the Susitna River, and topographic survey of considerable adjacent territory, including the measurement of the height of Mt. McKinley. Includes description of the topography and drainage of the Susitna basin and part of the Cantwell (Nenana) River, including magnetic variations observed by Robert Muldrow; the stratigraphy, structure, mineral resources (gold and coal), agriculture (climatic tables), game, and inhabitants; discussion (in brief) of the Susitna and Nenana valleys as a railway route to the interior of Alaska. Index at end of volume. *Maps:* 1. Alaska, showing explorations, 1898, and principal previous routes. 2. Cook Inlet. 3. Route along Susitna and

Cantwell (Nenana) Rivers including profile section (geology, and a portion of the lower Skwentna River).

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ELDRIDGE, GEORGE HOMANS, 1854-1905, *see also* U. S. Geological Survey. Maps & descriptions of routes explor. Alaska 1898. 1899.

4488. **ELENEVSKII, D. N.** Prilivy u mysy Zveroboi v Piasinskom zalive. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 36, p. 41-44, tables) *Title tr.:* Tides at Cape Zveroboy in Pyasina Gulf.

Observations conducted by the Siberian Hydrographic Office, Aug. 24-Sept. 21, 1943.

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4489. **ELENEVSKII, D. N.** Prilivy u ostrova Rastorgueva (Karskoe more). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 36, p. 37-39, tables) *Title tr.:* Tides at Rastorguev Island (Kara Sea).

Observations conducted by the Siberian Hydrographic Office, Aug. 15-Sept. 22, 1933, at this island in Pyasina Gulf (74°N. 84°10'E.)

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4490. **ELENEVSKII, V. V., and G. A. NIZOVKIN.** Zheleznodorozhnoe stroitel'stvo v usloviakh merzloty; novye metody stroitel'stva v raionakh merzloty i glubokogo promerzaniia. Moskva, Transzheldorizdat, 1936. 238 p. illus., maps. *Title tr.:* Railroad engineering under conditions of permafrost; new methods of construction in regions of frozen ground and deep freezing.

Contains (chap. 1-3, p. 13-39) definitions, terminology, limits in U.S.S.R.; permafrost investigations in the field, laboratory, in relation to road and building construction, water supply (chap. 4-5, p. 40-79); ground characteristics, physical and mechanical processes, mathematical analysis of the processes, engineering methods and instruments (of V. V. Elenevskii and V. S. Luk'ianov), use of electricity (chap. 6-8, p. 79-172). Directives in engineering: excavations (including use of explosives), road beds (including note of "Soviet screen" a device against ice mounds), foundations of industrial and domestic buildings, construction and maintenance of water supply, dikes and basins. (chap. 9-16, p. 172-234). Bibliography (65 items).

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4491. **ELENKIN, ALEKSANDR ALEKSANDROVICH,** 1873-1942. Description specierum formarumque novarum e gen. *Characium* A. Braun et *Characiopsis* Borzi cum Crustaceis symbioticis. (Additamentum ad opusculum auctoris in fasciculo 2. pag. 17-30) (Leningrad. Glavnyi botanicheskii sad R.S.F.S.R. Institut sporovykh rastenii. Botanicheskie materialy, 1924. T. 3, vyp. 3, p. 33-36) *Title tr.:* Description of new species and forms of the genus *Characium* A. Braun and *Characiopsis* Borzi symbiotic with crustaceans. (Supplement to the author's article in fasc. 2, p. 17-30)

Contains Latin diagnoses and critical notes on new species and forms of algae described by the author in *O novykh vidakh* . . . *Characium*, 1924, q.v., including a new variety of *Characiopsis groenlandica*.

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4492. **ELENKIN, ALEKSANDR ALEKSANDROVICH,** 1873-1942. Lichenes florae Rossiae et regionum confinium orientalium. Fasc. I, no. 1-50. Fasc. II-IV, no. 51-200. (Leningrad. Glavnyi botanicheskii sad. Trudy, 1901. T. 19, vyp. 1, p. 1-52; (II-IV) 1905. T. 24, vyp. 1, p. 1-118) *Title tr.:* Lichen flora of Russia and adjoining eastern regions.

Contains an enumeration of two hundred lichens, native to Russia and adjoining eastern regions (Mongolia, Tibet, Manchuria), including some arctic species, with synonymy, citations of specimens and illustrations, data on habitat and geographical distribution; bibliographies (175 items) and lists of collectors and explorers in the beginning and at the end of the work.

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4493. **ELENKIN, ALEKSANDR ALEKSANDROVICH,** 1873-1942. Lishai-niki pol'arnogo poberezh'ia Sibiri. S. Peterburg 1909. 53 p. 3 plates. (Russkaiia pol'arnaiia ekspeditsiia 1900-1903. Resultats scientificques, Sec. D. livr. 1. Pub. as: Akademiiia nauk SSSR. Memoires, ser. 8, Classe physico-mathematiques, vol. 27, no. 1) *Title tr.:* Lichens of the arctic coasts of Siberia.

Contains a critical review of the literature on the lichens of this region, a systematic enumeration of seventy-three species of lichens (one new) with synonymy, critical notes, data on distribution and geographical and species indices; based mostly on collections of

various members of the Toll expedition from eastern coast of the Kara Sea, Taymyr Peninsula and New Siberian Islands. **Copy seen:** MH-A.

4494. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Lishainiki, sobrannye na ostrovakh Spitsbergena A. A. Bialynitskii-Birulei i A. Bunge v 1899 g. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1907. Vyp. 3, p. 60-63) **Title tr.:** Lichens collected on Spitsbergen by A. A. Bialynitskii-Birulia and A. Bunge in 1899.

Contains a list of twenty-two species of lichens with data of local distribution. **Copy seen:** NNBG.

4495. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Materialy dlia lishainikovoi flory Rossii. I. (Leningrad. Glavnyi botanicheskii sad. Trudy, 1902, pub. 1901. T. 19, vyp. 2, p. 153-82) **Title tr.:** Materials for lichenological flora of Russia. I.

Contains data on four small collections from various regions, including (p. 157-77) description of fifty species of lichens collected by A. S. Botkin on Vaygach Island in 1898, with synonymy and critical notes.

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4496. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Morskii peridenii i diatomovyiia Kamchatki. (In: Komarov, V. L., and others. Kamchatkaia ekspeditsiia, 1914. Vyp. 2, p. 403-48, 591-92, illus.) **Title tr.:** Marine peridinians and diatoms of Kamchatka.

Contains a systematic list of five peridinians (*Peridineae*) and fifty-two dittoms, collected in Avacha Bay 1908-09, by the members of the Kamchatka Expedition of F. P. Riabushinskii; with synonymy, critical notes and data on local distribution; bibliography (45 items). Summary in German.

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4497. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Novye vidy lishainikov iz poliarnoi ekspeditsii barona E. V. Tollia 1900-1903 gg. (Botanicheskii zhurnal, 1907. T. 2, no. 5-6, p. 126-27) **Title tr.:** New species of lichens from the Polar Expedition of Baron E. V. Toll, 1900-1903.

Contains Latin descriptions of *Cetraria microphylla*, *Parmelia austerodes* and *Siphula delicata* n. spp. of lichens

from Novaya Sibir' Island, Kotelnyy Island and the Yenisey region respectively, collected by A. A. Bialynitskii-Birulia, a member of the Polar Expedition of Baron E. V. von Toll, in 1901-02.

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4498. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O dīēatel'nosti Sporovogo Gerbariia za 14 liēt (s 1899 g. po 1913 g.) i o blizhaishikh zadachakh dīēatel'nosti "Institutu Sporovykh Rastenii", novago otdel'nago uchuzhdeniia Imperatorskago Botanicheskago sada Petra Velikago. (Leningrad. Glavnyi botanicheskii sad, Izvīestiia, 1914. T. 14, vyp. 1, p. 1-20) **Title tr.:** On activity of the Cryptogamous Herbarium during fourteen years (from 1899 to 1913) and on the immediate aims of the "Institute of Cryptogamous Plants," a new and separate institution of the Imperial Botanical Garden of Peter the Great.

Contains an historical sketch of the Cryptogamous Herbarium of the St. Petersburg Botanical Garden, and its study of cryptogamous flora of various geographical regions, including the Arctic, with data on some expeditions and their results. Summary in German.

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4499. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O formakh lishainika *Physcia grisea* (Lam.) Elenk. nov. comb. (Leningrad. Glavnyi botanicheskii sad RSFSR. Institut sporovykh rastenii. Botanicheskie materialy, 1922. T. 1, vyp. 2, p. 17-32) **Title tr.:** On forms of the lichens *Physcia grisea* (Lam.) Elenk. nov. comb.

Contains a critical revision and synonymy of this new combination, with a key and Russian and Latin diagnoses of forms, and data on their distribution, including two forms from Kamchatka Peninsula. Summary in Latin.

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4500. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O novom lishainike *Pseudoperitheca murmanica miki* (nov. gen. et sp.) i o svoeobraznykh organakh pitaniia u lishainikov *Saccomorpha* Elenk. i *Pseudoperitheca* Elenk. (Leningrad. Glavnyi botanicheskii sad. RSDSR. Institut sporovykh rastenii. Botanicheskie materialy, 1922. T. 1, vyp. 4, p. 49-56) **Title tr.:** On a new lichen *Pseudoperitheca murmanica*

miki (nov. gen. et sp.) and on the peculiar nutrition organs of the lichens *Saccomorpha* Elenk. and *Pseudoperitheca* Elenk.

Contains Latin diagnoses of this genus and species, native to the Murman coast, also morphological and physiological data on genera *Saccomorpha* and *Pseudoperitheca*. Summary in Latin.

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4501. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O novykh semeistvakh sinezelenykh vodoroslei gruppy Stereometreae Elenk. (podgruppy Excavatae Elenk.) poriadka Chroococcales Geitler (1925). (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Ser. 2, Sporovye rasteniia, 1933, vyp. 1, p. 23-33, illus.) **Title tr.:** On new families of blue-green algae of the group Stereometreae Elenk. (subgroup Excavatae Elenk.) of the order Chroococcales Geitler (1925).

Contains key and descriptions of three new families, genera and species of blue-green algae, including *Woronichinia naegeliana* n. sp., occurring in Kola Peninsula; bibliography (14 items). Summary in German.

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4502. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O polozhenii *Lunoevia sphaerica* Sukatsch. v sisteme sinezelenykh vodoroslei, v svyazi s kriticheskim issledovaniem nekotorykh vidov roda *Hapalosiphon* Naeg. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1916. T. 16, vyp. 1, 23-39) **Title tr.:** On the position of *Lunoevia sphaerica* Sukatsch. in the system of blue-green algae in connection with critical investigation of some species of the genus *Hapalosiphon* Naeg.

Contains Latin diagnoses of *Hapalosiphon fontinalis baculiferus* n. var. of Algae from the Berezovsk region in Tobolsk government, and *H. fontinalis hibernicus*, native to Kamchatka Peninsula. Summary in French.

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4503. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O novykh vidakh i formakh iz rodov *Characium* A. Br. i *Characiopsis* Borzi, simbiotiruiushchikh s Crustaceae. (Leningrad. Glavnyi botanicheskii sad. RSFSR. Institut sporovykh rastenii Botanicheskie materialy, 1924, t. 3, vyp. 2, p. 17-30

Title tr.: On new species and forms of the genera *Characium* A. Br. and *Characiopsis* Borzi and their symbiosis with crustaceans.

Contains a morphological study and Latin diagnoses of various species of these two genera of algae, including *Characiopsis groenlandica* and its varieties, and data on their symbiosis with microscopic crabs.

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4504. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O polozhenii v sisteme sinezelenykh vodoroslei rodov *Loefgrenia* Com. i *Hyella* Born. et Flah. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1917. T. 17, vyp. 1, p. 89-108) **Title tr.:** On the systematic position of the genera *Loefgrenia* Com. and *Hyella* Born. and Flah. of the blue-green algae.

Contains a discussion of the systematic position of *Loefgrenia* and *Hyella*, two genera of the blue-green algae, (Cyanophyceae), including a Latin diagnosis of *Mastigocladus laminosus* a species found in the hot springs of Kamchatka Peninsula. Summary in French.

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4505. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O termofil'nykh soobshchestvakh vodoroslei. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1914. T. 14, vyp. 1, p. 62-110) **Title tr.:** On thermophilous associations of algae.

Contains an historical review of the literature on thermophilous algae and the study of the physical and biological factors of hot springs (including those of the Kamchatka Peninsula) influencing their algal floras; the large bibliography is of a general character and contains little material on Kamchatka. Summary in German.

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4506. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O "zamiushchafushchikh" vidakh. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1903-1904, pub. 1903. T. 34, vyp. 1, p. 32-41, 52-53) **Title tr.:** On "vicarious" species.

An attempt to apply Wettstein and Komarov's theory of vicarious species to the study of the lichen flora of Europe and Asia, with a list of fifteen European lichens and fifteen species

replacing them in Asia; based on collections from various regions, including that of A. S. Botkin from the mouth of Yenisey River; bibliography (15 items). Summary in French.

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4507. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. O zimushchikh sporakh (Dauersporen) u *Chaetoceras furcellatum* Bail. Botanicheskii zhurnal, 1907. T. 2, vyp. 5-6, p. 128-31, plate). **Title tr.:** On resting spores of *Chaetoceras furcellatum* Bail.

Contains notes on the biology of *Chaetoceras furcellatum*, a diatom first described by J. W. Bailey from Kamchatka waters, subsequently found in Barents Sea, near Yekaterininskaya Gavan', Kola Peninsula, during the Expedition for Scientific-industrial Investigation of the Murman Coast, 1906.

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4508. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Opisaniye novago vida: *Lithothamnion murmanicum* Elenkin. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1905. T. 5, vyp. 5-6, p. 189-94, illus.) **Title tr.:** Description of a new species: *Lithothamnion murmanicum* Elenkin.

Contains Latin, Russian and German descriptions of *Lithothamnion murmanicum*, a new species of marine algae, collected in Kola Bay, on the Murman coast, Kola Peninsula. Summary in German.

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4509. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Pis'mo s Murmanskoï Biologicheskoi stantsii. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1905. T. 5, vyp. 5-6, p. 169-88, illus., plate) **Title tr.:** A letter from the Murmansk Biological Station.

Contains observations of the author on the distribution of marine algae in the vicinity of the Murmansk Biological Station, on Kola Peninsula in the summer of 1905. Special attention was given to numerous forms of the genus *Lithothamnion* and one species named *L. murmanicum* sp. nov. Summary in French.

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4510. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Predvaritel'nyi otchet o komandirovke na Murmanskuï Biologicheskuiu Stantsiiu lietom 1906 g. (Leningradskoe obshchestvo estestvoispytatelei. Trudy,

1906, pub. 1907. T. 37, vyp. 1, p. 354-64, 374) **Title tr.:** Preliminary report on a trip to Murmansk Biological Station in the summer of 1906.

Contains data on biology, systematics, anatomy, and pathological deformities of the algal genus *Lithothamnion*, widely distributed in Barents Sea, along the Murman coast; notes on a few other marine algae, and criticism of the work of M. H. Foslie, *Remarks on northern Lithothamnion*, 1905, q.v.

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4511. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Prifsnovodnyi vodorosli Kamchatki. (In: Komarov, V. L., and others. Kamchatskaia ekspeditiia, 1914. Vyp. 2, p. 1-402, 579-91, illus., plate) **Title tr.:** Fresh-water algae of Kamchatka.

Contains in the first part, p. 1-145, a study of fresh-water algae associations in Kamchatka and their distribution, with a bibliography (41+93 items); in the second part, p. 147-402, a critical list of three hundred forty-seven species (nine new) collected in 1908-09, by L. G. Raminskii, V. P. Savich and other collectors of the F. P. Riabushinskii expedition, and by I. A. Perfil'ev in 1910; bibliography (216 items). Summary in German.

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4512. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Raspredeleniye i spisok morskikh vodoroslei v okrestnostyakh Murmanskoï biologicheskoi stantsii. (In: Derzhugin, K. M. and others. Murmanskaia biol. stantsiia 1899-1905, pub. 1906, p. 167-74) **Title tr.:** Distribution and a list of marine algae in the vicinity of the Murmansk Biological Station.

Contains a discussion of the algal flora of the Murman coastal waters, divided by the author into littoral, sublittoral and elittoral zones; and a systematic list of fifty-two species of marine algae, with data on distribution in natural zones. **Copy seen:** MH-Z.

4513. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Sistematicheskii spisok presnovodnykh vodoroslei, obnaryuzhennykh v predelakh SSSR do 1935 g., s kriticheskimi primchaniiami. I. Oedogoniales: 1. *Bulbochaete* Ag.; 2. *Oedogonium* Link. Akademiia nauk SSSR. Botanicheskii insti-

tut. Trudy, ser. 2. Sporovye rasteniâ, 1936, vyp. 3, p. 303-394) **Title tr.:** Systematic enumeration of the green fresh-water algae discovered in the limits of the U.S.S.R. to 1935, with critical notes. I. Oedogoniales: 1. *Bulbochaete* Ag.; 2. *Oedogonium* Link.

Contains: Complete synonymy of the species and forms of green fresh-water algae, with citations of literature, illustrations and specimens. Original diagnoses (Russian and Latin) of new species and forms; general geographical distribution; detailed bibliographical data on distribution in the U.S.S.R., including practically all arctic regions of the Soviet Union and based on five important Russian algal bibliographies; a list of like nature, mostly in foreign languages, p. 389-92. Summary in French.

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4514. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Sistematicheskii spisok presnovodnykh zelenykh vodoroslei, obnaruzhennykh v predelakh SSSR do 1936 g., s kriticheskimi primechaniïmi. II. Microsporaes. (Akademiâ nauk SSSR. Botanicheskii institut. Trudy. Ser. 2, Sporovye rasteniâ, 1938, vyp. 4, p. 5-39) **Title tr.:** Systematic enumeration of the green fresh-water algae found in the limits of the U.S.S.R. to 1936 with critical notes. II. Microsporaes.

Contains: Complete synonymy of the species and forms of green fresh-water algae (Microsporaes) with citations of literature, illustrations and specimens; original diagnoses (Russian and Latin) of new species and forms; general geographical distribution; detailed bibliographical data on distribution in the U.S.S.R., including many arctic regions, and a list of literature in Russian and other languages, p. 37-39. A continuation of Elenkin, A. A., *Sistematicheskii spisok . . . Oedogoniales*, 1936, q.v. Summary in French.

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4515. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942. Zametka o patologicheskikh vidoizmeneniïakh novago vida, *Lithothamnion murmanicum* Elenkin. (Leningradskoe, obshchestvo estestvoispytatelei. Trudy, 1906. T. 37, vyp. 1, p. 64-69, 84) **Title tr.:** Note on pathological deformities of a new species, *Lithothamnion murmanicum* Elenkin.

Contains notes on pathologic deformities of a new species of marine algae, *Lithothamnion murmanicum* native to the Murman coast, Barents Sea; Latin diagnosis of this species and discussion of its priority over *L. vardoense* n. sp., probably identical with Elenkin's species, described by M. H. Foslie, *Lithothamnion vardoense*, a new alga. Norske videnskabers selskab, Trondheim. Skrifter, 1905. No. 2, (4 p.) native to Varanger Fiord.

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4516. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, and L. A. OL'. Bibliografiâ algologicheskikh trudov v predelakh SSSR, s 1900 po 1925 g.g. vključitel'no. Leningrad. Izd. Glavn. bot. sada, 1929. iv, 139 p. (Leningrad. Glavnyi botanicheskii sad. Trudy, T. 42, vyp. 1) **Title tr.:** Bibliography of algal works published in the U.S.S.R. from 1900 to 1925 inclusive.

Contains an alphabetical list of eight hundred seventy-five works on algae with Russian and translated (French, German, English) titles but without annotation. Includes over one hundred papers concerning northern and arctic regions. For the beginning of this bibliography see Gaïdukov, N. M.: *Literaturnye istochniki k russkoï flore vodoroslei*, 1900, For continuation, see Elenkin, A. A., and L. A. Ol', *Bibliografiâ algologicheskikh trudov v predelakh SSSR s 1926 po 1930 vključitel'no*, 1935, q.v. The numbering of items is continuous through these three works. Summary in French.

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4517. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, and L. A. OL'. Bibliografiâ algologicheskikh trudov v predelakh SSSR s 1926 po 1930 vključitel'no. (Akademiâ nauk SSSR. Botanicheskii institut. Trudy. Seriiâ 2. Sporovye rasteniâ, 1935. Vyp. 2, p. 171-255) **Title tr.:** Bibliography of algal works published in the U.S.S.R. from 1926 to 1930 inclusive.

Contains an alphabetical list (with annotations) of five hundred ninety-eight works on algae with Russian and translated titles, including some items concerning the arctic regions. It is a continuation (no. 1309-1906) of Elenkin, A. A., and L. A. Ol', *Bibliografiâ algologicheskikh trudov v predelakh*

SSSR s 1900 po 1925 g.g. vključitel'no, 1929, q.v. Summary in German.

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4518. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, and L. A. OL'. Uspekhi floristicheskoi al'gologii v SSSR za poslednie 25 let. (Leningrad. Glavnyi botanicheskiĭ sad. Izvestiia, 1926. T. 25, vyp. 3, p. 205-17, diagr.) *Title tr.:* Progress of floristic algology in the U.S.S.R. for the last 25 years.

Contains a statistical review of the progress of the study of algae of the U.S.S.R., including the arctic regions, with critical notes on the most important works. Summary in German.

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4519. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, and R. F. NIMAN. Flora sukhoputnykh rastenii v okrestnostakh Murmanskoi biologicheskoi stantsii. (In: Derūgin, K. M., and others. Murmanskaiā biol. stantsiia 1899-1905, pub. 1906, p. 112-26) *Title tr.:* Flora of the vicinity of the Murmansk Biological Station.

Contains a list of forty-five lichens and fifty-four mosses and liverworts collected in 1905, and determined by A. A. Elenkin, with data on typical formations of swampy and dry, stony tundra, and a list of one hundred seventy-eight flowering plants and eleven vascular cryptogams collected, 1898-1905, by various collectors, and determined by R. F. Niman.

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4520. ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, and V. P. SAVICH. Lishainiki sobrannye I. V. Palibiny v plavanie ledokola "Ermak" v Sĭevernom Ledovitom okeanĕ v 1901 g. (Leningrad. Glavnyi botanicheskiĭ sad. Trudy, 1912. T. 32, vyp. 1, p. 69-100, plates 1-2) *Title tr.:* Lichens collected by I. V. Palibin on the ice-breaker *Ermak* in the Arctic Ocean in 1901.

Contains a systematic enumeration of thirty-one species of lichens from Novaya Zemlya, forty-one from Franz Josef Land and twelve from Svalbard, collected in 1901 by I. V. Palibin, botanist of the Polar Expedition of Admiral S. O. Makarov. Includes *Alectoria arctica* and *Cladonia uncialis* var. *paradoxa*, new forms.

Copy seen: MH-A.

ELENKIN, ALEKSANDR ALEKSANDROVICH, 1873-1942, *see also* Foslie, M. H. Remarks on *Lithothamnion murmanicum*. 1908.

ELFSTRAND, M., *see* Arwidsson, T. Hieraciologische Kleinigkeiten. 1929.

4521. ELFVING, FREDRIK, 1854-1942. Anteckningar om Finlands Nostochaceae heterocystaeae. (Societas pro fauna et flora fennica. Meddelanden, 1895. Häfte 21, p. 54-59) *Title tr.:* Notes on heterocystous Nostochaceae of Finland.

Contains a systematic list of thirty-nine species of heterocystous blue-green algae of fam. Nostocaceae (Nostochaceae) of Finland, including some native to Finnish and Russian Lapland, with data on distribution.

Copy seen: MH-A.

4522. ELFVING, FREDRIK, 1854-1942. Anteckningar om kulturväxterna i Finland. Kuopio, 1897. 116 p. map. (Societas pro fauna et flora fennica. Acta, 1891-1893, pub. 1897. v. 14, no. 2) *Title tr.:* Notes on cultivated plants in Finland.

Contains an enumeration of about one hundred twenty useful plants, cultivated in Finland, including cereals, various kinds of vegetables, fruit trees, small fruits, berries, ornamental trees and shrubs, forage grasses, etc.; with data on distribution in arctic regions and map. Summary in German.

Copy seen: MH-A.

4523. ELFVING, K. O. Massuppträdande of *Aecidium coruscans* Fries i norra Finland. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, pub. 1904. Häfte 30, p. 64-65. *Title tr.:* Mass appearance of *Aecidium coruscans* Fries in northern Finland.

Contains data on distribution of *Aecidium coruscans*, a rust fungus, spreading rapidly to the North and found in Kuolajarvi (67°25'N.) and in Kittilä (67°40'N.), Finnish Lapland.

Copy seen: MH-A.

4524. ELFVING, K. O. Om fjälllemmels förekomst i Lappmarken år 1903. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, pub. 1904. Häfte 30, p. 12-15, 208) *Title tr.:* On occurrence of mountain lemmings in Lapland in 1903.

Contains the author's observations on the habits and migration of lemmings (*Myodes lemmus* L.) in the fall and spring of 1903; these small arctic rodents moved in great numbers in two general directions from northeast to southwest and from west to east on the return trip. Summary in German.

Copy seen: MH-A.

4525. ELFWING, NERE A. Amerikanska Beringsundsexpeditioner 1881 och kartläggningen af "Wrangels land". (Ymer, 1882. Årg. 2, p. 20-26, map) **Title tr.:** American Bering Sound expeditions 1881 and the mapping of Wrangel's Land.

Summary account of expeditions in the *Corwin* under Captain C. L. Hooker, 1880-81, and in the *Rodgers* (Capt. Robert M. Berry), 1882, and Berry's survey of Wrangel Island.

Copy seen: DLC.

4526. ELGES, CARL HENRY, 1910- List of current publications on snow and ice. Addendum to report of Committee on Snow, 1939-40. (American Geophysical Union. Transactions, 1940. v. 21, p. 750-56)

List, arranged by subject, of 221 papers, etc., on snow and ice, published 1939-40.

Copy seen: DLC.

4527. ELGES, CARL HENRY, 1910-, and **R. G. STONE.** List of current publications to accompany report of the Committee on Snow. (American Geophysical Union. Transactions, 1939. v. 20, p. 617-35)

List (arranged by subject and in an appendix by R. G. Stone, arranged alphabetically by author) of over six hundred papers, etc., published 1938-39, covering the "entire field of snow and ice . . . together with related precipitation and storms to afford a complete picture of their evolution . . . human relationships also have been stressed."

Copy seen: DGS; DLC.

4528. ELIAS, Mrs. EDITH L. The book of polar exploration. London, Bombay [etc.] G. G. Harrap & Co. Ltd. [1928] 301, [1] p. col. front., illus., 35 plates (part col.) ports., facsim. maps on lining-papers. [Romance of knowledge series]

Pt. 1 (p. 27-208) gives brief accounts of arctic exploration from the Norsemen to Stefansson, and of the polar flights of 1925-26.

Copy seen: DLC; NNStef.

4529. ELIAS, Mrs. EDITH L. Les explorations polaires (pôle nord, pôle sud). Paris, Payot, 1930. 300 p. 32 plates, 2 fold. maps.

Translation of her *Book of polar explorations*, 1928.

Copy seen: NNStef.

4530. ELISEEV, B. N. Materialy k geologii i poleznym iskopaemyim Anadyrskogo kraia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 48, p. 72-122) **Title tr.:** Anadyr land; contribution to the geology and mineral resources.

Based on a geological survey, 1933-34, by the Anadyr Petroleum-Coal Expedition made for the Arctic Institute of the U.S.S.R. for the purpose of investigating the Mesozoic and Tertiary deposits to find out their oil possibilities. Discussion of the stratigraphy, igneous rocks, tectonics, coal deposits, occurrence of limestone and minerals, and absence of indications of petroleum. Summary in English.

Copy seen: DLC.

ELISEEV, B. N., see also Leningrad. Vsesoiuznyi arkticheskii institut. Petrografiia izverzhennykh porod basseina reki Anadyr'. 1937.

ELISEEV, B. N., see also Leningrad. Vsesoiuznyi arkticheskii institut. Teshenit-diabazy Anadyrskogo kraia. 1937.

4530A. ELISEEV, N. A., and others. Geological and petrographical description of the Khibine tundras. (In: Polkanov, A. A., editor. The northern excursion; Kola Peninsula, 1937. p. 51-90. **Pub.** as: International Geological Congress, 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 2]) **Other authors:** I. S. Ozhinskii and E. N. Volodin.

Translation of his and others' *Geologo-petrograficheskii ocherk Khibinskikh tundr*, 1937, q.v.

Copy seen: DLC.

4530B. ELISEEV, N. A., and others. Geological and petrographical sketch of the Lovozero Tundras. (International Geological Congress. 17th, Moscow and Leningrad, 1937. Report, 1939. v. 2, p. 83-88, illus.) **Other authors:** I. V. Zelenkov, N. K. Nefedov, A. S. Sakharov, and V. A. Unskov.

Notes on geologic structure and petrographic composition of the loparite-

bearing complex, the eudyalite lujavrite complex and the young dike rocks, with geological conclusions; and remarks on mineral deposits (loparite and eudyalite). Translation, by O. F. Kotelnikova, of Eliseev and others' *Geologo-petrograficheskii ocherk Lovozerskikh tundr*, 1939.

Copy seen: DGS; DLC.

4531. ELISEEV, N. A., and others. *Geologo-petrograficheskii ocherk Khibinskikh tundr.* (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Severnaia ekskursiia. Chast' 2, Kol'skii poluostrov. Leningrad, 1937. p. 51-93, illus., tables) *Other authors:* I. S. Ozhinskii and E. N. Volodin. *Title tr.:* Geological and petrographical description of Khibine tundras.

Description of Precambrian, Proterozoic, and more recent rocks. Tabular data on the petrography of Khibina plutonic rocks. Concluding chapter on mineral resources. Bibliography (33 items). Also published in English with title as above, q.v.

Copy seen: DLC; NN.

4531A. ELISEEV, N. A., and others. *Geologo-petrograficheskii ocherk Lovozerskikh tundr.* (International Geological Congress. 17th, Moscow and Leningrad, 1937. Trudy XVII sessii, 1939. T. 2, p. 87-93, illus.) *Other authors:* I. V. Zelenkov, N. K. Nefedov, A. S. Sakharov, and V. A. Unskov. *Title tr.:* Geological and petrographical sketch of the Lovozero tundras.

Also published in English with title as above, q.v. *Copy seen:* DGS.

4532. ELISEEV, N. A. *IUksporskoe mestorozhdenie apatita.* (Mezhdunarodnyi geologicheskii kongress. 17 sessiia. SSSR, 1937. Severnaia ekskursiia. Chast' 2, Kol'skii poluostrov. Leningrad, 1937, p. 114-18) *Title tr.:* Yukspor apatite deposit.

Geological description of region around Yukspor (67°41'N. 33°49'E.) in central part of Khibiny, Kola Peninsula, and discussion of the genesis of the ore. Also published in English with title as above, q.v.

Copy seen: DLC; NN.

4532A. ELISEEV, N. A. *The Yukspor apatite deposit.* (In: Polkanov, A. A., editor. *The northern excursion; Kola Peninsula*, 1937. p. 111-14. *Pub. as:* International Geological Congress. 17th,

Moscow and Leningrad. [Guide-books for the excursions, 2])

Translation of his *IUksporskoe mestorozhdenie apatita*, 1937, q.v.

Copy seen: DLC.

4533. ELISEEV, N. A., and N. K. NEFEDOV. *Loparitovye mestorozhdeniia Luavvurta.* (In: *Akademiia nauk SSSR. Kol'skaia baza. Proizvoditel'nye sily I*, 1940. p. 77-118, illus., tables) *Title tr.:* Loparite deposits in Luyavurt.

Contains geological, mineralogical and chemical description of the mineral loparite and of its deposits in Lovozerskaya Tundra (central part of Kola Peninsula); loparite contains large quantity of rare elements Nb (Cb), Ta, Ti and others. The author claims that Lovozerskaya Tundra contains the world's largest deposits of these elements, and of some rare earths. Bibliography (28 items).

Copy seen: DGS.

4534. ELLERMAN, J. R. On the prior name for the Siberian lemming and the genotype of *Glis Erxleben*. (Annals and magazine of natural history, Nov. 1949. Ser. 12, v. 2, p. 893-94)

Taxonomic note on species whose type locality is the lower Ob River and northern Urals.

Copy seen: DLC.

4535. ELLINGER, TAZE ULRICH HOLTEN, 1892- Protozoa. (In: *Conspectus fauna groenlandicae*. 3. del, nr. 8. *Pub. in:* Meddelelser om Grønland, 1914. 23. hefte, p. 743-949)

List, with synonymy, references to literature and localities, of marine and fresh-water forms from the east and west coasts of Greenland, p. 940-43.

Copy seen: DLC.

ELLINGSEN, EDV., see Strand, E. *Neue Beitr. z. Arthropoden-Fauna. I-XXVI. 1910-16.*

ELLIOTT, CHARLES P., see Glenn, E. F. *Explorations in & about Cooks Inlet. 1900.*

4536. ELLIOT, DANIEL GIRAUD, 1835-1915. The caribou of the Kenai Peninsula, Alaska. (Field Museum of Natural History, Chicago. Publication; Zoological series, 1901. v. 3, p. 59-62, 3 plates)

Discussion of variations in characteristics of three specimens from the peninsula. *Copy seen:* DSI-M.

4537. ELLIOT, DANIEL GIRAUD, 1835-1915. Description of an apparently new subspecies of marten from the Kenai Peninsula, Alaska. (Field Museum of Natural History, Chicago. Publication; Zoological series, 1903. v. 3, p. 151-52, plate)

Mustela americana kenaiensis, subsp. nov.

Copy seen: DSI-M.

4538. ELLIOT, DANIEL GIRAUD, 1835-1915. Descriptions of an apparently new species and subspecies of ptarmigan from the Aleutian Islands. (Auk, Jan. 1896. v. 13, p. 24-29, plate)

Based on specimens in the U. S. National Museum.

Copy seen: DSI-M.

4539. ELLIOT, DANIEL GIRAUD, 1835-1915. Descriptions of apparently new species and subspecies of mammals from California, Oregon, the Kenai Peninsula, Alaska [etc.]. (Field Museum of Natural History, Chicago. Publication; Zoological series, 1903. v. 3, p. 153-73, illus.)

Includes a new subspecies of *Putorius vison melampeplus*, subsp. nov., a mink from Kenai Peninsula.

Copy seen: DSI-M.

4540. ELLIOTT, HENRY WOOD, 1846-1930. An Alaskan legend. Kay-gamiyak: its mummies. (Continent, July 12, 1882. v. 2, no. 1, p. 5-8, illus.)

A legend heard in connection with the search for Aleutian mummies in the Unalaska region, 1874.

Copy seen: DLC; NNS Stef.

4541. ELLIOTT, HENRY WOOD, 1846-1930. The fur-seal industry on the Pribilof group, Alaska. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 2, p. 321-93, 10 plates (2 maps) tables, 6 sketch maps)

Contains descriptions of the islands, the rookeries (with sketches), the fluctuation in seal-life, the value, manner of take, caring for and shipping, statistics of catch, 1796-1866 (for Commander Islands, 1862-68), the organization of companies, and the protective laws and legislation. Copy seen: DF.

4542. ELLIOTT, HENRY WOOD, 1846-1930. The habits of the fur seal. (In: Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1884. Section 1, p. 75-113, 7 plates)

Contains detailed descriptions of habits, appearance and rookery organization on Pribilof Islands.

Copy seen: DF.

4543. ELLIOTT, HENRY WOOD, 1846-1930. Letter from the Secretary of the Treasury, transmitting, in response to the House resolution of the 22nd instant, a copy of the report of Henry W. Elliott on the condition of the fur-seal fisheries of Alaska, together with all maps and illustrations accompanying said report. January 27, 1896 . . . ordered to be printed. Washington, U. S. Govt. Print. Off., 1896. 240 p. 48 plates, 14 maps (part fold.). (U. S. 54th Cong., 1st sess. House. Doc no. 175) Published also in U. S. Treasury Dept. Special Agents Division. Seal and salmon fisheries and general resources of Alaska . . . Washington, 1898.

Contains "Report upon the present condition of the fur-seal rookeries of the Pribilof Islands of Alaska": comparative data on the rookeries, hauling ground, method of taking fur seals, selection of skins, condition of natives, native labor and pay, as in 1872-74 and 1890; also recommendations for protection and preservation of fur seals and trade interests on Pribilof Islands.

Appendix contains the author's daily field notes May-Aug. 1890, and general memoranda.

Maps show area and position of hauling grounds and breeding rookeries in 1872-74, and in 1890.

Copy seen: DLC.

4544. ELLIOTT, HENRY WOOD, 1846-1930. A monograph of the seal-islands of Alaska. Reprinted, with additions, from the Report on the fishery industries of the Tenth Census. Washington, U. S. Govt. Print. Off., 1882. 4 p. l., 3-176 p. illus., 29 plates, 2 fold. maps. (U. S. Commission of Fish and Fisheries. Special bulletin 176)

Reprinted without index (and presumably with minor changes of text) from the author's *Report on the Seal Islands*, 1884, q.v., prepared for the 1880 Census.

Copy seen: DLC.

4545. ELLIOTT, HENRY WOOD, 1846-1930. Our arctic province, Alaska and the Seal Islands. New York, C. Scribner's Sons, 1886. xv, 473 p. front., illus., 48 plates, 5 maps (1 fold.) Reprinted in 1906.

A comprehensive work for general readers, telling of the history, geography, peoples, and wildlife, particularly the seals, and (in less detail) the sea otters, sea lions, the morse (or walrus), etc.

Copy seen: DLC; NNS Stef.

4546. ELLIOTT, HENRY WOOD, 1846-1930. Report on the seal islands of Alaska. (*In:* U. S. Census Office. 10th census, 1880. Census reports. Washington, 1884. v. 8, 2 p. 1., 3-188 p. illus., 29 plates, 2 double-face.

Results of the author's observations at seal rookeries on Pribilof Islands in 1872-74 (of which a digest on the economic aspect was published in his *Report upon the condition of affairs in Alaska*, 1875, q.v.), and in 1876, also later on Commander Islands, during his investigations into the life and habits of the fur seal.

Contains a brief sketch of the Pribilof Islands, the inhabitants, their sealing industry, the Alaska Commercial Co.; detailed description of life and habits of the fur seal, sea lion and walrus of Bering Sea; methods of taking, treatment of skins, etc.; review of U. S. official reports on the seal islands (especially of Lieut. Washburn Maynard's work); supplemental notes on Commander Islands, on mammals, birds, fishes, invertebrates, plants, on Veniaminov's account of the Pribilof Islands.

Copy seen: DLC.

4547. ELLIOTT, HENRY WOOD, 1846-1930. A report upon the condition of affairs in the Territory of Alaska. Washington, U. S. Govt. Print. Off., 1875. 277 p.

Report, by a special agent of the U. S. Treasury Dept., on investigations made in 1872-74, on "the present condition of the seal-fisheries of Alaska; the haunts and habits of the seal; the preservation and extension of the fisheries as a source of revenue to the United States, with like information respecting the fur-bearing animals of Alaska generally; the statistics of the fur-trade; the condition of the people or natives, [etc.]." *Contains* chapters on the character of the country; the natives or people of Alaska; the duty of the government; trade, traders, stations; the sea-otter and its hunting; condition of affairs on the seal islands,

the Pribilof group; habits of the fur seal; fish and fisheries.

Includes as chapter 9 (p. 168-212), *Ornithology of the Pribilof Islands*, by Elliott Coues.

Copy seen: DLC.

4548. ELLIOTT, HENRY WOOD, 1846-1930. The sea-lion hunt. (*In:* Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 2, p. 467-74, 4 plates)

Contains detailed description of the method of hunting, killing, cutting up, and uses of this eared seal, by the Aleuts who live around the Bering Sea.

Copy seen: DF.

4549. ELLIOTT, HENRY WOOD, 1846-1930. The sea-otter fishery. (*In:* Goode, G. B., and others. The fisheries and fishery industries of the U. S., 1887. Section 5, v. 2, p. 483-91, plate)

Contains notes on its limited distribution in Bering Sea and Kamchatkan coast, its early abundance and rapid disappearance, its habits, appearance, and the Aleut methods of capture.

Copy seen: DF.

ELLIOTT, HENRY WOOD, 1846-1930, *see also* Ingersoll, E., & H. W. Elliott. In richest Alaska. 1897.

4550. ELLIOTT, THOMAS. Placer-gold boom in Canada's Pacific Northwest. (*Western miner*, Apr. 1948. v. 21, no. 4, p. 163-164, 166, 168, 170-171, 173-76, illus.)

Discussion of increase in placer mining in British Columbia and Yukon Territory, attributed largely to the introduction of modern dragline gold dredge equipment from California. Includes (p. 171, 173-75) a review of Yukon gold mining during 1947.

Copy seen: DGS.

4551. ELLIS, FRANK H. Arctic airfield survey. (*Beaver*, Sept. 1945. Outfit 276, no. 2, p. 22-25, illus.)

Account of the Canadian arctic expedition, 1922, in the steam schooner *Arctic*, during which an airfield was surveyed at Craig Harbour, Ellesmere Island and Royal Canadian Mounted Police posts were first established in the Canadian Arctic Islands.

Copy seen: DSI-M.

4552. ELLIS, FRANK H. First flight down north. (*Beaver*, Mar. 1945. Outfit 275, no. 4, p. 14-18, illus.)

Account of the flight from Peace River to Fort Simpson and Norman on the Mackenzie River, Mar. 1921, by two German-built Junker monoplanes.

Copy seen: DSI-M.

4553. ELLIS, FRANK H. First flights over Hudson Strait. (Beaver, Mar. 1944. Outfit 274, no. 4, p. 15-19, illus.)

Account of the activities of the Canadian Hudson Strait Expedition, 1927-28, during which aerial surveys of ice conditions were made, as part of a study of the Hudson Bay Route.

Copy seen: DSI-M.

4554. ELLIS, FRANK H. New York to Nome and back. (Beaver, Sept. 1949. Outfit 280, no. 2, p. 28-32, illus., sketch map)

Account of the "First Alaska Air Expedition," when four U. S. Army Air Service De Havilland 4B's, manned by eight men, flew from Mitchell Field, Long Island, July 15, and returned Oct. 20, 1920.

Copy seen: DSI-M; NNStef.

ELLIS, FRANK WATTS, *see* Lamar, W. H., & F. W. Ellis. Physical observations. Lady Franklin B. Exped. 1883. 1884.

4555. ELLIS, GEORGE EDWARD, 1814-1894. Hudson Bay Company, 1670-1870. (American Geographical Society. Journal, 1886. v. 18, p. 127-36)

Summary of a lecture, read before the society, which was an abstract of a chapter prepared for Winsor's *Narrative and critical history of America*. Includes notes on the founding of the Company, the literature relating to its history, and the circumstances surrounding the surrender of its rights to the crown.

Copy seen: DLC.

4556. ELLIS, HAZEL R. Northward bound for godwits. (Audubon magazine, May-June 1948. v. 50, p. 154-59, illus.)

Account of an ornithological trip to Churchill, Manitoba in 1947 or 1948, and the author's observation from June 14 to July 7, of the nest of a Hudsonian godwit, *Limosa haemastica*, the nesting locality of which had been hitherto unproven.

Copy seen: DLC.

4557. ELLIS, HUBERT I. Dawson, Nome and Fairbanks. (Engineering and mining journal, Mar. 1915. v. 99, p. 517-20)

Historical sketch of these three placer mining camps, description of the gold gravels, and discussion of influences affecting their prosperity.

Copy seen: DGS.

4558. ELLIS, MINA BENSON HUBBARD, formerly Mrs. LEONIDAS HUBBARD, Jr. Labrador, from Lake Melville to Ungava Bay. (American Geographical Society, N. Y. Bulletin, 1906. v. 38, p. 529-39, 6 plates, fold. map)

Account of the Second Hubbard Expedition, 1905, from Northwest River Post, Lake Melville, via Naskaupi River, Lake Michikamau, and George River, to Ungava Bay, with description of the country through which the canoes passed.

Copy seen: DLC.

4559. ELLIS, MINA BENSON HUBBARD, formerly Mrs. LEONIDAS HUBBARD, Jr. A woman's way through unknown Labrador; an account of the exploration of the Nascaupsee and George Rivers, by Mrs. Leonidas Hubbard, Junior. London, J. Murray, 1908. xvi, 338 p. incl. front, 50 plates, fold. map in pocket. Also published in New York by McClure Co., 1908 (305 p.), without introduction by Cabot or index.

Contains an introduction by W. B. Cabot (p. 1-29) giving a general sketch of the physical and ethnological features of Labrador Peninsula. An account by Mrs. Hubbard (in brief, p. 33-50) of her husband's life and trip in 1903 to explore the Labrador interior by the river (called Northwest) route from Lake Melville to Lake Michikamau and the George River flowing to Ungava Bay, in the course of which he died; and (in detail, p. 50-237) of her own trip, June-Aug. 1905, to complete his work. She describes her journey from Lake Melville by Grand Lake, Naskaupi River, Seal and Michikamau Lakes, and George River, to Ungava Bay, during which the two rivers are said to have been roughly mapped for the first time. Includes notes throughout on topography, geology, flora, fauna and Indians.

Appended (p. 239-85) is the diary kept by Leonidas Hubbard, of his experiences from his landing in Labrador till shortly before his death, July-Oct. 1903; also (p. 286-333) an account by George Elson (Hubbard's companion) of the latter part of the expedition and

his conveyance of Hubbard's body to U.S.A., Oct. 1903-May 1904. Hubbard's trip was chronicled by his other companion, Dillon Wallace, in *Lure of the Labrador wild*, q.v.

Copy seen: DLC.

4560. ELLIS, NED ROYCE, 1894- . Livestock production. (In: U. S. Agricultural Research Administration. Report on exploratory investigations of agricultural problems of Alaska, 1949, p. 165-85)

Contains notes on the history and present status of livestock production, feed supply problem, beef cattle raising, dairy industry, sheep, goat, swine and poultry raising, and fur-farming problems.

Copy seen: DA.

4561. ELLIS, NED ROYCE, 1894- , and others. The vitamin content of lichens. (Journal of nutrition, Sept. 1933. v. 6, p. 443-54) Other authors: L. J. Palmer and G. L. Barnum.

"This study has formed a part of a cooperative investigation on nutrition problems relating to reindeer and muskoxen by the Bureaus of Biological Survey and Animal Industry of the U. S. Department of Agriculture." It contains results of experimentation in the nutrition laboratories of U. S. Bureau of Animal Industry, on the vitamin A, B-complex, and D factors of samples supplied from the Alaska reindeer experiment station.

Copy seen: DLC.

4562. ELLS, S. C. Alaska Highway. (Canadian geographical journal, Mar. 1944, v. 28, p. 104-19, incl. 7 p. of illus., map)

Discussion (in general) of the objectives, legal agreements, supervision, construction plans, routes, possible economic importance, design, and maintenance problems, of the highway.

Copy seen: DLC.

4563. ELLSBERG, EDWARD, 1891- . Cruise of the *Jeannette*, illus. by Gerald Foster. New York, Dodd, Mead, 1949. 275 p. illus.

"A retelling for young readers of author's 'Hell on ice'," 1938, q.v.

Copy seen: DLC.

4564. ELLSBERG, EDWARD, 1891- . The drift of the *Jeannette* in the arctic sea. (American Philosophical Society. Proceedings, 1940. v. 82, p. 889-96)

Paper read before the Society's Symposium on American Polar Exploration, Feb. 1940, giving a sketch of the *Jeannette* Expedition, 1879-81, commanded by Lt. G. W. DeLong, which proceeded through Bering Sea, was frozen in the ice north of Siberia, and finally lost.

Copy seen: DLC.

4565. ELLSBERG, EDWARD, 1891- . Hell on ice; the saga of the "Jeannette." New York, Modd, Mead & Co. 1938. x p., 1 l., 421 p. 2 illus. (incl. map), map on lining-papers.

On the basis of his reading and research Ellsberg describes the drift, the party's trip over ice to Lena delta, etc. "as it might have been told about thirty years ago by" G. W. Melville, chief engineer of the *Jeannette* expedition, 1879-81; a vivid and informative, albeit second-hand account.

Copy seen: DLC; NNSf.

4566. ELLSON, J. G., and others. Report of Alaska Exploratory Fishing Expedition, fall of 1948, to northern Bering Sea. Washington, 1949. 25 p. incl. 6 plates, illus., 7 plates (6 charts). (U. S. Fish and Wildlife Service. Fishery leaflet 342) Other authors: Boris Knake and John Dassow.

Remarks on need for fishery exploration in Alaskan waters; description of the motor vessel *Washington*, a new U. S. Fish and Wildlife Service ship; and account of results of trawls made from Nome southward to Kodiak waters, Aug.-Oct. 1948, showing depths, gear and kind of catch, with list of fish and shellfish species mentioned.

Copy seen: DF.

4567. ELLSWORTH, CLARENCE EUGENE, 1882- , and others. A water-power reconnaissance in south-central Alaska, by C. E. Ellsworth and R. W. Davenport, with a section on south-eastern Alaska, by J. C. Hoyt. Washington, U. S. Govt. Print. Off., 1915. 173 p. illus., 22 plates (incl. 6 fold maps) diags. (U. S. Geological Survey. Water-supply paper 372)

"Results of the first systematic study of the water-powers of South-central Alaska," made May 5-Nov. 25, 1913.

Contains introductory notes on methods, water-power rights, and climate; descriptions of the features, mineral resources, timber, gaging stations, etc., and data on gage height and discharge

for the Bering River basin in the Controller Bay region, the basin of lower Copper River (Klutina, Kotsina basin), and its principal tributary, the Chitina (Nizina, Lakina, Gilahina, Kuskulana, and Tiekkel River basins) McKinley Lake district, Power Creek basin, Prince William Sound region (including developed water power) the eastern part of Kenai Peninsula (Kenai River basin and certain creeks) and the Willow Creek district; a water-power reconnaissance in southeastern Alaska, with descriptions of topography, geology, climate, general conditions of runoff, and power possibilities.

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4568. ELLSWORTH, CLARENCE EUGENE, 1882- , and R. W. DAVENPORT. Surface water supply of the Yukon-Tanana region, Alaska. Washington, U. S. Govt. Print. Off., 1915. 343 p. illus., 12 plates (incl. 4 fold. maps) diags. (U. S. Geological Survey. Water-supply paper 342)

Contains results of investigations, 1907-12, on stream flow of the Yukon basin (including Fortymile, Mission, Seventymile, Birch, Beaver, Hess, and other creeks), the basins of Tanana, Salcha, Chena, and Tolovana Rivers, Minook, Goldstream and Baker Creeks, with remarks on the minimum discharge, and water power, relating throughout to the Circle, Fortymile, Fairbanks, and Rampart mining districts.

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ELLSWORTH, CLARENCE EUGENE, 1882- , *see also* Covert, C. C., & C. E. Ellsworth. Water-supply investigations Yukon-Tanana region, 1907-08. 1909.

4569. ELLSWORTH, HARDY VINCENT, 1889- , and F. JOLLIFFE. Some recently-discovered minerals of the Great Slave Lake area, N.W.T. (*In: Contributions to Canadian mineralogy*, 1936-37. Toronto. University. Studies, 1937. Geol. ser. no. 40, p. 71-81)

Descriptions of andalusite, blue corundum and ferberite, of Yellowknife River and Outpost Islands.

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4570. ELLSWORTH, LINCOLN, 1880-1951. Arctic flying experiences by airplane and airship. (*In: American Geographical Society, N. Y. Problems of polar research*, 1928. p. 410-17, illus.)

General notes on the conditions during the Amundsen-Ellsworth flight of 1925 in a plane, and during the *Norge* (airship) flight of 1926.

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4571. ELLSWORTH, LINCOLN, 1880-1951. At the North Pole. (Smithsonian Institution. Annual report, 1927, *pub.* 1928. p. 321-29, illus. (map) 15 plates) Reprinted, with addition of sixteen photographic illustrations, from Yale review, July 1927. v. 16, no. 4.

Narrative (in brief) of the Ellsworth-Amundsen flight in 1925 from West Spitsbergen toward the North Pole; and (in detail) of the Ellsworth-Amundsen flight in the *Norge* from West Spitsbergen across the polar sea, and over the North Pole, to Alaska. May 11-14, 1926. *Copy seen:* DLC.

4572. ELLSWORTH, LINCOLN, 1880-1951. Beyond horizons. Garden City, N. Y., Doubleday, Doran & Co. Inc., 1938. xii, 403 p. 15 plates, incl. ports., 2 maps.

Part 2 of this autobiography deals with arctic regions, and the author's two flights with Amundsen in 1925 and 1926.

Copy seen: DLC; NNS Stef.

4573. ELLSWORTH, LINCOLN, 1880-1951. North of 88 and the first crossing of the polar sea. (Natural history, May-June 1927. v. 27, p. 275-89, illus.)

From an address, Jan. 2, 1927, made at the American Museum of Natural History; remarks on earlier expeditions to the North Pole, and a general account of the flight of the *Norge*, 1926, from West Spitsbergen to Nome.

Copy seen: DLC; NNS Stef.

4574. ELLSWORTH, LINCOLN, 1880-1951. Search. New York, Brewer, Warren & Putnam, 1932. 4 p. l, vii-xxvii, 184 p. 32 plates, incl. ports., maps (1 fold.)

Contains (p. 75-184) chapters on the author's north polar flights with Amundsen, 1925 and 1926 (in the *Norge*), the submarine voyage of Wilkins, 1931, and cruise in *Graf Zeppelin*, 1931. Three of the maps relate to the Arctic.

Copy seen: DLC; NNS Stef.

4575. ELLSWORTH, LINCOLN, 1880-1951, and E. H. SMITH. Report of the preliminary results of the Aero-arctic Expedition with "Graf Zeppelin", 1931.

(Geographical review, 1932. v. 22, p. 61-82, illus. incl. map)

Description of the flight in 1931, from Archangel to Franz Josef Land and return by Severnaya Zemlya, Taymyr Peninsula and Novaya Zemlya, and results of the expedition.

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ELLSWORTH, LINCOLN, 1880-1951, see also Amundsen, R. E. G., & others. Amundsen-Ellsworths polfyvning. 1925.

ELLSWORTH, LINCOLN, 1880-1951, see also Amundsen, R. E. G., & others. First crossing Polar Sea. 1927.

ELLSWORTH, LINCOLN, 1880-1951, see also Amundsen, R. E. G., & others. Første flukt over Polhavet. 1926.

ELLSWORTH, LINCOLN, 1880-1951, see also Amundsen, R. E. G., & others. My polar flight. 1925.

ELLSWORTH, LINCOLN, 1880-1951, see also Amundsen, R. E. G., & others. Our polar flight. 1925.

4576. ELOFSON, OLOF. *Cytheridea macrolaminata* n. sp., eine neue arktische Ostracode. [Stockholm, 1939.] 7 p. illus. (Arkiv för zoologi. Bd. 31 B, no. 8) *Title tr.:* *Cytheridea macrolaminata*, n. sp., a new species of arctic ostracods.

Full descriptions of both sexes, based on museum specimens, taken in Svalbard waters and Greenland Sea near West Spitsbergen.

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ELSNER, ROBERT W., see Arenberg, D. L., & R. W. Elsner. Microscopic structure of rime. 1942.

ELSON, GEORGE, see Ellis, M. B. H. Woman's way through Labrador. 1908.

ELSON, THOMAS, see Beechey, F. W. Narrative of voyage 1825-28. New ed. 1831.

ELSON, THOMAS, see Beechey, F. W. Narrative of voyage to Pacific 1825-28. 1831.

ELSON, THOMAS, see Beechey, F. W. Narrative of voyage to Pacific 1825-28. 1832.

4577. ELTON, CHARLES SUTHERLAND, 1900- . Aphids and hover-flies in North-East Land (Spitsbergen) in 1924; an additional note. (Entomologi-

cal Society of London. Proceedings, Dec. 1929. v. 4, pt. 2, p. 76-77) Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934. No. 23.

Supplement to an earlier paper by the same author *The dispersal of insects to Spitsbergen*, 1925, q.v., giving a further discussion of the unusual occurrence of the two insects in such northern latitudes as Hope Island and Northeast Land, with a reference to the mention of the same aphid found by W. E. Parry a century earlier, and the conclusion that they were, in both instances, wind borne.

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4578. ELTON, CHARLES SUTHERLAND, 1900- . The biology in relation to the geography. The Oxford University Arctic Expedition, 1924. (Geographical journal, Aug. 1925. v. 66, p. 111-14) A preliminary report, concerning several fiords, but especially Reindeer Peninsula in Liefde Bay, north Spitsbergen.

Contents: 1. Ecological survey. (Climatic zones of Svalbard). 2. Ornithology. 3. Relict lagoons and dispersal of animals.

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4579. ELTON, CHARLES SUTHERLAND, 1900- . Coleoptera and Lepidoptera from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. (Annals and magazine of natural history, Sept. 1925. Ser. 9, v. 16, p. 357-59, 432) Issued also as Oxford University. *Spitsbergen papers*, 1929. v. 2, no. 16.

List, with notes on habitat and location, of three beetles and one moth from West Spitsbergen.

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4580. ELTON, CHARLES SUTHERLAND, 1900- . The dispersal of insects to Spitsbergen. (Entomological Society of London. Transactions, 1925. p. 289-99) Issued also as Oxford University. *Spitsbergen papers*, 1929. v. 2, no. 11.

Based on observations made on the Oxford University Expeditions to Spitsbergen, 1921, 1923-24, discussion of the scantiness of Svalbard insect fauna, and the methods of its dispersal, by wind, or flight, or both, by driftwood, drift-ice, ships, and birds, with reference to West Spitsbergen, North-

east Land, Hope Island, and Prince Charles Foreland. Includes an account of a remarkable swarm of aphids and hover-flies which reached Northeast Land on the wind from northern Europe, in August 1924.

An additional note on this was published as the author's *Aphids and hover-flies in North-East Land*, etc., 1929, q.v.

Copy seen: DLC.

4581. ELTON, CHARLES SUTHERLAND, 1900- . Epidemics among sledge dogs in the Canadian Arctic and their relation to disease in the arctic fox. (Canadian journal of research, Dec. 1931. v. 5, p. 673-92)

Results of an inquiry carried out by the author for Hudson's Bay Co., particularly in Baffin Island, Hudson Strait, and Hudson Bay regions. Notes on epidemic reports in both animals from many posts and a discussion of cycles in number of arctic foxes, with a bibliography (15 items).

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4582. ELTON, CHARLES SUTHERLAND, 1900- . Marine animals collected by Mr. A. W. Moore at Etah, North-West Greenland, during the Oxford University Ellesmere Land Expedition, 1934-35. (Annals and magazine of natural history, Oct. 1937. Ser. 10, v. 20, p. 432-34)

List of species dredged in Foulke Fiord, at 20-70 ft., including one sponge, one sea-urchin, three brittle stars, four gastropods, ten crustaceans and three fish of tentative identification.

Copy seen: DSI-M.

4583. ELTON, CHARLES SUTHERLAND, 1900- . The nature and origin of soil-polygons in Spitsbergen. (Geological Society of London. Quarterly journal, Apr. 1927. v. 83, p. 163-94, 3 plates) Issued also as Oxford University. *Spitsbergen papers*, 1929. v. 2, no. 6.

Results of Oxford University Arctic Expedition, 1924. Relates mainly to Reindeer Peninsula and Liefde Bay region.

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4584. ELTON, CHARLES SUTHERLAND, 1900- . Notes on the mammals of the upper Liard and Frances Rivers. (Canadian field naturalist, Oct. 1935. v. 49, p. 120-23)

Notes based on an unpublished letter of Robert Campbell, a Hudson's Bay

Co. factor, who established in 1840, the post at Frances Lake, abandoned 1851. Campbell's descriptions of marmots, chipmunks, and a muskrat are amplified, and the animals identified in extensive notes by Dr. R. M. Anderson.

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4585. ELTON, CHARLES SUTHERLAND, 1900- . Periodic fluctuations in the numbers of animals: their causes and effects. (Journal of experimental biology, Oct. 1924. v. 2, p. 119-63 incl. diagrs.)

Contains discussion of climatic cycles, and fluctuations in animal numbers which includes lemmings (p. 125-35), showing the effects on arctic foxes, owls, stoats, etc., and suggesting the effects of these fluctuations on evolution.

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4586. ELTON, CHARLES SUTHERLAND, 1900- , and others. The snowshoe rabbit inquiry, 1931-32 to 1942-43. (Canadian field naturalist, 1933-43. v. 47, p. 63-69, 84-86; v. 48, p. 73-78; v. 49, p. 79-85; v. 50, p. 71-81; v. 51, p. 63-73; v. 52, p. 63-72; v. 53, p. 63-70; v. 54, p. 117-24; v. 56, p. 17-21; v. 57, p. 64-68, 136-41; v. 60, p. 67-70, diagrs.)

Reports, prepared by Charles Elton, Director of the Bureau of Animal Population, Oxford University, and G. Swynnerton, D. Chitty, H. Chitty, and M. Nicholson, based on information collected by the Canadian Dept. of the Interior, National Parks Branch.

Reports for 1931-32 to 1934-35, entitled *The Canadian snowshoe rabbit inquiry*, cover the Northwest Territories, Yukon, Labrador and northern Quebec, Ontario and Manitoba. Beginning 1935-36 Alaska also is included. Data shows increase, no change, decrease, and epidemics, forming a quantitative comparison of changes in the snowshoe rabbit population.

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4587. ELTON, CHARLES SUTHERLAND, 1900- . Voles, mice and lemmings; problems in population dynamics. Oxford, Clarendon Press, 1942. 4 p. l., 496 p. front. (port.) illus. (maps) tables (1 fold.) diagrs.

Records and discussion, in pt. 3-4, of cycles and movements of caribou, marten, the various foxes and other fur-bearing animals; also of voles and

lemmings, their relationship to these fur-bearing animals and to the fur trade and trappers in northern Labrador and Ungava. List of mission and trading posts of northern Labrador and Hamilton Inlet region, with notes on their opening and closing. Bibliographies throughout.

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4588. ELTON, CHARLES SUTHERLAND, 1900- , and D. F. W. BADEN-POWELL. On a collection of raised beach fossils from Spitsbergen. (Geological magazine, Sept. 1931. v. 68, p. 385-405) Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934. no. 22.

Results of the Oxford University Expeditions to Spitsbergen, 1921, 1923-24, representing collections from Klaas Billen Bay, Prince Charles Foreland, Wijde Bay, and Hinlopen Strait. Includes seventeen species of recent molluscs, twenty-one fossil molluscs, and twenty-four fossil forams, with descriptions of the beaches where they were found.

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ELTON, CHARLES SUTHERLAND, 1900- , see also Bethune, W. C. Canada's Eastern Arctic. 1934.

ELTON, CHARLES SUTHERLAND, 1900- , see also Chitty, D., & others. Canadian arctic wild life enquiry, 1935-43. 1937-45.

ELTON, CHARLES SUTHERLAND, 1900- , see also Jackson, A. R. On third collection of spiders Spitsbergen 1924. 1925.

ELTON, CHARLES SUTHERLAND, 1900- , see also Oxford University Exploration Club. Greenland & Spitsbergen papers. 1934.

ELTON, CHARLES SUTHERLAND, 1900- , see also Summerhayes, V. S., & C. S. Elton. Contributions ecology Spitsbergen & Bear I. 1923.

ELTON, CHARLES SUTHERLAND, 1900- , see also Summerhayes, V. S., & C. S. Elton. Further contributions ecology Spitsbergen. 1923.

ELVIN, AXEL, see Wulff, T. Thorild Wulffs grönländska dagböcker. 1934.

4589. ELWELL, NISKA. Deserted island. (Alaska sportsman, Dec. 1945. v. 11, no. 12, p. 8-9, 33-42, illus.)

Account of a year spent on Akun Island (one of the Aleutians between Umnak and Unalaska Islands), with description of the physical features, wildlife, fishing, volcanic activity, sulphur mine, and climate.

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4590. ELWELL, NISKA. Moose ranch. (Alaska sportsman, Sept. 1946. v. 12, no. 9, p. 16-17, 38-39, illus.)

Story of a former moose ranch on Kenai Peninsula, where animals were raised for zoos; with notes on methods of capturing wild newborn moose calves, and keeping moose in captivity.

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4591. ELWES, HENRY JOHN, 1846-1922. On a collection of Lepidoptera from arctic America. (Entomological Society of London. Transactions, 1903. p. 239-43)

Annotated list, with rather indefinite localities, of fifteen species of butterflies and moths from the barrens and coast of Northwest Territories.

Copy seen: DSI-M.

4592. ELWES, HENRY JOHN, 1846-1922. A revision of the genus *Argynnis*. (Entomological Society of London. Transactions, 1889. p. 535-75, illus.)

Study of a genus of butterflies usually dominant in the palaearctic region both in number of species and individuals; with a table of species including circumpolar, arctic localities.

Copy seen: DSI-M.

4593. EM, A. RUD. Die Rentierzucht der Waldlappen. (Zeitschrift für Ethnologie. Berlin, 1937. v. 69, p. 31-53, illus.) *Title tr.*: Reindeer breeding of the forest Lapps.

Description of reindeer breeding among the forest Lapps of northern Finland, based upon two years' of residence and travel among the Lapps, 1928-30. Includes detailed description of the herding process and problems, identifying earmarks (illustrated), harness and sleds, training of draft reindeer, food and other reindeer products, reindeer theft, and the place of the reindeer in social structure and thought. Vocabulary of 86 words connected with reindeer raising.

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4594. EMEL'TANOV, A. I. K voprosam man'siiskoi grammatiki. (Sovetskii Sever, 1939, no. 4, p. 53-77, tables) *Title tr.*: On Vogul grammar.

Linguistic sketch of verbs, cases, and roots in the Vogul language.

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4595. EMEL'YANTSEV, TIKHON M., and D. V. NALIVKIN. Paleozoiskie otlozheniia poluostrova iurung-Tumus (ust'e Khatangi). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 41, p. 63-72, plate) *Title tr.*: The Paleozoic of the Yurung-Tumus Peninsula, mouth of Khatanga River, Arctic Ocean.

A study, based on the author's field investigations in 1933, of the dark dolomitized limestones found as one of the sections of a salt dome; descriptions of the upper Devonian faunas found in two types of facies distinguished in the limestones, including one new species of brachiopod *Liorhynchus taimyricus*, and notes on correlation with Devonian of the Ural, Novaya Zemlya, Timan, and elsewhere. Summary in English. *Copy seen:* DLC.

EMEL'YANTSEV, TIKHON M., *see also* Korniliuk, I. I., & others. Nordvik-Khatangskii neftenosnyi raion. 1946.

EMERSON, BENJAMIN KENDALL, 1843-1932, and others. Geology and paleontology, 1904, *see* HARRIMAN ALASKA EXPEDITION, 1899. Harriman Alaska series, v. 4.

4596. EMERSON, BENJAMIN KENDALL, 1843-1932. Notes on some rocks and minerals from North Greenland and Frobisher Bay. (American geologist, Feb. 1905. v. 35, p. 94-104, plate)

Petrologic and mineralogic notes on a collection of rocks collected by the I. I. Hayes Expedition, around its winter quarters, Port Foulke, north-west Greenland. *Copy seen:* DGS.

4597. EMERSON, BENJAMIN KENDALL, 1843-1932. On the geology of Frobisher Bay and Field Bay. Description of the collections made by C. F. Hall during his first expedition in the arctic regions, 1860-62. (*In:* Hall, C. F. Narrative of the Second Arctic Expedition . . . 1864-69, pub. 1879. Appendix 3. p. 553-83, illus.)

Contains descriptions of one hundred nineteen rock specimens and thirty species of fossil invertebrates, including two new ostracods and one new trilobite. *Copy seen:* DLC.

4598. EMERSON, BENJAMIN KENDALL, 1843-1932, and CHARLES PAL-

ACHE. General geology; notes on the stratigraphy and igneous rocks, by B. K. Emerson. With petrographic notes by Charles Palache. (*In:* Emerson, B. K., and others. Geology and paleontology. Harriman Alaska series, 1904. v. 4, p. 9-56, illus., 5 plates)

Contains descriptions of the formations and petrographic notes on southeastern Alaska (especially Sitka, Skagway and Glacier Bay), and the regions of Yakutat Bay, Prince William Sound, Cook Inlet, Kodiak, the Shumagin, Unalaska, Bogoslof, Pribilof, St. Matthew, Hall, and St. Lawrence Islands, and Port Clarence (Alaska).

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4599. EMERTON, JAMES HENRY, 1847-1930. Notes on the spiders collected by Frits Johansen of the "Danmark Expedition" 1906-8 to northeastern Greenland, latitude 76½° to 77° North. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1919. Bd. 70, p. 143-45)

Notes and localities of three species.

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4600. EMERTON, JAMES HENRY, 1847-1930. The spiders [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. H, p. 3-9, incl. 3 plates)

List, with some descriptions and notes on habitat and distribution, of thirteen (including three new) species from Alaska and Northwest Territories. *Copy seen:* DSI-M.

4601. EMERY, CARLO, and others. Relazione del materiale zoologico riportato dalla spedizione. (*In:* Filippi, F. de. La spedizione di . . . Luigi . . . duca degli Abruzzi al Monte Sant' Elia (Alaska) 1897. 1900. Appendice D, p. 243-57, double-face plate) *Title tr.*: The zoological material of the expedition.

Contains descriptions of an ichneumon fly, by J. Kriechbaumer, a new spider, by P. Pavesi, and a new oligochaetous worm, by C. Emery, all from Malaspina Glacier; with extensive remarks on J. C. Russell's observations on glacier worms, and mention of a fly and a springtail, both commonly known, from the same locality.

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4602. EMERY, KENNETH ORRIS, 1914- . Topography and sediments of

the Arctic Basin. (Journal of geology, Sept. 1949. v. 57, p. 512-21, fold. map)

"Based on a compilation of all known soundings, largely from recent Russian expeditions," (since 1930). The author draws tentative conclusions regarding bottom topography, with additional general inferences derived from distribution of Pleistocene glaciers, character of land topography, positions of earthquake epicenters, and sources and composition of bottom sediments; bibliography (45 items).

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4603. EMMONS, GEORGE THORNTON, 1852- . The basketry of the Tlingit. (American Museum of Natural History, N. Y. Memoirs, 1903. v. 3, (Anthropology v. 2.) pt. 2, p. 229-77, illus. plates 5-18 (part. col.)

Methods of weaving and ornamentation with fifty-one designs are discussed and illustrated; with remarks on the use of spruce root, and grasses in making of baskets, mats, household utensils, cradles, etc.

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4604. EMMONS, GEORGE THORNTON, 1852- . Conditions and needs of the natives of Alaska. Message from the President of the United States, transmitting a report on the condition and needs of the natives of Alaska. [Washington, U. S. Govt. Print. Off., 1905] 23 p. (U. S. 58th Cong., 3d sess. Senate. Doc. 106)

Describes the existing conditions of the Indians and Eskimos of Alaska, and recommends specific measures, chiefly educational, economic, and medical, to improve conditions. Divides the native peoples, according to their needs, into the "self-sustaining" groups of southeastern Alaska, and the "dependent" groups of the rest of Alaska.

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4605. EMMONS, GEORGE THORNTON, 1852- . Copper neck-rings of southern Alaska. (American anthropologist, 1908. New ser., v. 10, p. 644-49, illus.)

Discussion of design, significance, and dissemination of neck-rings in region of the Tlingit Indians.

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4606. EMMONS, GEORGE THORNTON, 1852- . Jade in British Columbia and Alaska, and its use by the natives.

New York, Museum of the American Indian, Heye Foundation, 1923. 53 p. illus., 25 plates (part col.) (Indian notes and monographs. Miscellaneous, no. 35)

Describes specimens of jade artifacts from the Indians and Eskimos of Alaska, and discusses the sources, uses, and methods of manufacture of the jade objects.

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4607. EMMONS, GEORGE THORNTON, 1852- . Native account of the meeting between La Perouse and the Tlingit. (American anthropologist, 1911. New ser., v. 13, p. 294-98, illus.)

Traditional tale among the Tlingit based on visit of Comte de Lapérouse in Lituya Bay Southeast Alaska in 1786.

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4608. EMMONS, GEORGE THORNTON, 1852- . Petroglyphs in southeastern Alaska. (American anthropologist, 1908. New ser., v. 10, p. 221-30, illus., 2 plates)

Stone carvings of the Tlingit Indians.

Copy seen: DLC.

4609. EMMONS, GEORGE THORNTON, 1852- . The whale house of the Chilkat. New York, 1916. 1 p. l., p. 1-33 incl. illus., plates. 4 col. plates. (American Museum of Natural History, N. Y. Anthropological papers, v. 19, pt. 1)

Contains outline of the history and social organization of the Tlingit Indians; description of the Chilkat tribes' communal house at their principal village Kluckwan on the Chilkat River; with some account of the mythological significance of its ornamentation.

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EMMONS, GEORGE THORNTON, 1852- . *see also* Boas, F. Gleanings from Emmons collection. 1888.

EMMONS, SAMUEL FRANKLIN, 1841-1911, *see* U. S. Geological Survey. Map of Alaska. 1898.

4610. ENDEL'MAN, G. N. Torf'nyye bolota Eniseiskogo Severa. (Moskva. Tsentral'naia torf'ianaia opyt'naia stantsiia. Trudy, 1936. T. 1, p. 59-72, illus. map, tables) *Title tr.:* Peat bogs of the Northern Yenisey region.

Based on data of the East Siberian Peat Expedition in 1932, which investigated 125,000 hectares of boggy areas

near Ust' Yenisey Port, Dudinka, and Igarka. Discussion of the results showing the insignificant extent of valuable deposits; technical characteristics of peat. Includes cross sections of deposits, and map of the region investigated. Summary in English.

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ENDERLEIN, GUNTHER, *see* Strand, E. Neue Beitr. z. Arthropoden-Fauna. I-XXVI. 1910-16.

4611. ENDICOTT, HENRY WENDELL, 1880-. Adventures in Alaska and along the trail. New York, F. A. Stokes Co., 1928. xvi, 344 p. illus., plates, maps (on lining-papers)

Tales of big game hunting in southern Alaska.

Copy seen: DLC; NNStef.

4612. ENDLICH, FREDERICK MILLER, 1851-1899. Minerals. (*In:* Kumlien, L., and others. Contributions to the natural history of arctic America. U. S. National Museum Bulletin, 1879. No. 15, p. 171)

List of nineteen minerals collected by L. Kumlien in the Cumberland Sound region of Baffin Island and Disko Bay region of Greenland, during the Howgate Polar Expedition, 1877-78.

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4613. ENDRESEN, FRIDTJOF. Et besøk på "Gjøa" høsten 1932. (Norsk geografisk tidsskrift, 1932-33, pub. 1933. Bd. 4, p. 333-35, illus.) *Title tr.*: A visit on the *Gjøa* during the fall of 1932.

Note on a visit on board the *Gjøa*, at Ocean Beach, San Francisco; the ship's deterioration, the Amundsen monument there.

Editor's statement on the San Francisco Park Department's restoration of the *Gjøa*. (Further information on the restoration by the *Gjøa* Foundation appeared in *Polar record*, 1948. v. 5, no. 35-36, p. 210)

Copy seen: DLC.

4614. ENENSTEIN, B. S. Application of electro-prospecting by direct current on perpetually frozen ground in the Igarka region. (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940. n.s., v. 26, no. 4, p. 338-41, diags.)

Report on investigation by an expedition in 1939 of the V. A. Obruchev Institute for the Study of Frozen Ground, to find if (1) permanently

frozen ground in Igarka region is conductor of electric current in natural conditions, and (2) elements of occurrence of permanently frozen rock can be determined by direct current method. Gives notes on geological characteristics and permafrost of the region, electrical features of the rocks in different levels; concludes on (1) and (2) in affirmative.

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4615. ENENSTEIN, B. S. Instruktšiiä po temperaturnym nablüdeniäm v raionakh vechnoi merzloty. (*In:* Akademiia nauk SSSR. Komitet po vechnoi merzlote. Sbornik instruktšii i programnykh ukazanii, 1938, p. 9-40, illus.) *Title tr.*: Instructions for temperature observations in the permafrost region.

Contains detailed instructions for temperature observations during field studies of permafrost; description of types of thermometers and methods of preparing them; instructions on methods of temperature measurements on the surface, in pits, and in cuts, by thermoelements (their preparation, defects, degree of error) and analysis of results; discussion of use of resistance thermometers and their preparation. Bibliography (6 items).

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4616. ENENSTEIN, B. S. Nablüdeniä nad estestvennymi tokami na vechnoi merzlote v raione g. Igarki. (Akademiia nauk SSSR. Institut merzlotovedeniä. Trudy, 1947. T. 5, p. 89-92, illus., diags.) *Title tr.*: Observations on natural currents (spontaneous polarization) in the permanently frozen ground in the region of the town of Igarka.

Contains results of field work of the V. A. Obruchev Institute for the Study of Frozen Ground in the region of Igarka in 1940, on the natural current existing within the limits of the active layer; description of previous work done; comparison of a map of the equal natural potentials with the map showing the location of the upper limits of permafrost, indicating that a lowering of the latter results in the increase of the potential. Five charts illustrate the special measurements used to check the observations. Includes description of the new design of non-polarized electrodes.

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4617. **ENENSTEIN, B. S.** Rezul'taty primeneniia elektorazvedki metodom postoiannogo toka v raionakh vechnoi merzloty. (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1947. T. 5, p. 36-86, illus.) *Title tr.*: The results of the application of electrometric investigation by direct current in the region of permafrost.

Contains in pt. 1, discussion of the conductivity of permanently frozen formations under natural conditions, and results of experiments made to determine the factors which influence it. Experiments were made under laboratory conditions to perfect the field methods.

Pt. 2. Results of a series of geophysical investigations (1) on the River Tolba in the Yakut A.S.S.R., (2) at Nordvik, (3) in the region of Amerderma, (4) the Baykal-Amur railway, (5) in the area of the Bukhachacha coal deposits, (6) in the region of Darasan, (7) in the region of the Tyn-da-Zeya railway; in the Lena-Vitim region, and (8) at Igarka. The last is described in great detail (11 charts). A geological description of the area is given and four layers classified in terms of electrical resistance. Data on soundings and interpretations are given which prove the applicability of this method to determine the thawed zone, the upper and lower limits of permafrost, and the depth of location of basic formations. Fifteen conclusions dealing with electroconductivity of permafrost are given. Bibliography (33 items).

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ENGEL, E. O., see Sjostedt, Y., & others. Entomologische Ergebnisse Kamtchatka-Exped. 37. Abschluss. 1935.

4618. **ENGELHARDT, ALEKSANDR PLATONOVICH.** A Russian province of the North. Tr. from the Russian by Henry Cooke. Westminster, A. Constable & Co., 1899. xix, 356 p. illus., plates, port., 3 maps (incl. 2 fold.)

English translation of his *Russkii sever*, q.v., with the addition of statistics, both in the text and as appendices (on crops, cattle, fishing, marine animal industry, forest sport, manufactures, and foreign trade of Archangel province, 1893-97).

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4619. **ENGELHARDT, ALEKSANDR PLATONOVICH.** *Russkii sever*; putev-

yiâ zapiski. S.-Peterburg, Izd. A. S. Suvorina, 1897. 258, iv p. illus., maps (incl. 2 fold.) *Title tr.*: The Russian North; a traveler's sketches.

Based on the author's experiences while, as governor of the province of Archangel, on (1) a reconnaissance journey to the Murman coast preliminary to the construction of a telegraph line, (2) a voyage to the west coast of Novaya Zemlya, and (3) a trip down the Pechora River returning to Archangel by sea. Chapters on the general geography, wildlife, vegetation, on the peoples (particularly Samoyeds) their customs, social life, occupations, on trade, communications, etc., of the Kola Peninsula, Novaya Zemlya and Archangel.

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ENGELHARDT, GEORG von, 1775-1862, see Vranghel', F. P. Reise Nordküste Sibirien 1820-24. 1839.

ENGELHARDT, LISA VRANGHEL' von, see Vranghel', F. P. Ferdinand v. Wranghel Reise Sibirien. 1885.

4620. **ENGELL, MAGNUS CORNELIUS**, 1869-. Beretning om undersogelserne af Jakobshavns-Isfjord og dens omgivelser, fra foraaet 1903 til efteraaet 1904. (Meddelelser om Grønland, 1909, pub. 1910. 34. hefte, p. 155-251. illus., plates XXII-XXIII (fold. maps)) *Title tr.*: Report on the investigations of Jakobshavn Ice Fiord and vicinity, from the spring of 1903 to the fall of 1904.

Contains account of the trip and description of the glaciers, especially in the Torssukatak Fiord and Ata Sound regions; with tables of daily meteorological (including illumination) observations taken at 08, 14, and 20 hours, Oct. 1903-Feb. 1904, at Ritenbenk.

Appendix (p. 243-51): List of vascular plants collected by Dr. M. C. Engell in the vicinity of the great glacier of Jakobshavn about 69°N. determined by M. P. Porsild.

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4621. **ENGELL, MAGNUS CORNELIUS**, 1869-. Die mittleren Temperaturen von Godthaab 1811 bis 1812 und 1816 bis 1820 aus den Beobachtungen des Inspectors Myhlenphort berechnet. (Meteorologische Zeitschrift, Feb. 1911. Bd. 28, p. 69-70, table) *Title tr.*: The mean temperatures of Godthaab from

1811 to 1812 and from 1816 to 1820 based on the observations of the Inspector Myhlenphort.

The monthly average temperatures for the period indicated were derived from daily observations found in the inspector's diary in the Archiv des südgrönländischen Inspektorats in Godthaab.

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4622. ENGELL, MAGNUS CORNELIUS, 1869-. Om fremtidige gletsjermaalinger i Grønland. (Geografisk tidsskrift, 1905-06. Kjøbenhavn, 1905. Bd. 18, p. 164-66) *Title tr.:* On future measurements of glaciers in Greenland.

Challenge of J. P. Koch's *Om fremtidige topografiske arbejder og gletsjermaalinger i Grønland*, 1905, q.v.

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4623. ENGELL, MAGNUS CORNELIUS, 1869-. Den terrestriske nordpols variation. (Geografisk tidsskrift, 1901-02. Kjøbenhavn, 1902. Bd. 16, p. 121-24) *Title tr.:* The variation of the terrestrial North Pole.

Discussion of the shifting of the North Pole, efforts to determine its position, 1820-1900, and theories concerning the phenomenon.

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4624. ENGELL, MAGNUS CORNELIUS, 1869-. Über die Windverhältnisse im Sommer an der Küste von Grønland. (Meteorologische Zeitschrift, June 1903. Bd. 20, p. 274-76)

General seasonal characteristics of the coastal winds and the circulation pattern between the icecap and coastal belts area are discussed.

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4625. ENGELL, MAGNUS CORNELIUS, 1869-. Undersøgelser og opmaalinger ved Jakobshavns Isfjord og i Orpigsuit i sommeren 1902. (Meddelelser om Grønland, 1904. 26. hefte, p. 1-70, plates I-IX (2 fold.; incl. maps) diagrs.) *Title tr.:* Investigations and surveying at Jakobshavn Ice Fiord and in Orpigsuit during the summer of 1902.

Narrative of the expedition to make a survey and glaciological investigations in the region around Jakobshavn Ice Fiord. Describes the trip, the survey work, the glaciers and vegetation there, also ice conditions in the fiord; the trip from Jakobshavn along the

coast to Orpigsuit Fiord; discussion of the raised shore lines and the survey work, glaciers and vegetation of the Orpigsuit region. *Copy seen:* DLC.

ENGELL, MAGNUS CORNELIUS, 1869-, see also Koch, J. P. Om fremtidige topograf. arbejder Grønland. 1905.

4626. ENGELN, OSCAR DIEDRICH von, 1880-. Phenomena associated with glacier drainage and wastage, with especial reference to observations in the Yakutat Bay region, Alaska. (Zeitschrift für Gletscherkunde, Dez. 1911. Bd. 6, p. 104-150, illus.)

Results of observations made by the author while a member of a U. S. Biological Survey party, 1906, and of an expedition sent out by the National Geographic Society, 1909.

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4627. ENGELN, FRED J. The Kodiak bear. (Alaska life, Aug. 1944. v. 7, no. 8, p. 46-48, illus.)

Story of the U. S. Army newspaper published at Fort Greely, Kodiak Island, beginning Dec. 1942.

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4628. ENGINEER, LONDON. Icebergs as ships. (Engineer, London, June 7, 1946. v. 181, p. 517-18)

Contains a history of the wartime project (code name "Habbakuk") to reinforce icebergs for airplane landing fields; with discussion of the mixture of ice and wood pulp known as "pykrete", and the designs for its use in constructing floating airdromes; a project never carried through.

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4629. ENGINEERING AND MINING JOURNAL. The Alaska Juneau enterprise. (Engineering and mining journal, Sept. 1932. v. 133, p. 459-503, illus., diagrs.)

The entire September number of the journal is devoted to the history and technical direction of the Alaska Juneau Gold Mining Co. as described in the following papers: Bradley, P. R. History, organization, outlook. Metzgar, L. H. Development, mining, transportation. Scott, W. P. Milling methods and ore treatment. Williams, J. A. Mechanical operations, rock disposal. Metzgar, L. H. Safety, welfare, labor compensation. Wernecke, L. Geology

of ore zones. Williams, J. A. Surveying, sampling, assaying. Hellenthal, T. A. Purchasing and warehouse practice.

The paper by Livingston Wernecke appears in this Bibliography under the author's name.

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4630. ENGINEERING NEWS-RECORD. The saga of the Greenland bases (Engineering news-record, Sept. 7, 1944 v. 133, no. 10, p. 96-100, illus.)

Description of difficult working conditions and methods of airfield construction in a region of permafrost and severe cold.

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4631. ENGLAND, D. Greenland's icy mountains. (Contemporary review, July 1949. v. 176, p. 38-41)

Remarks on the inland ice of Greenland, the heroism of men who have traveled on it and studied its interior, and on the strategic importance of Greenland in World War II.

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4632. ENGLESSON, ELOV. Icebreaker alternative. (Canadian shipping, Jan. 1949. v. 20, no. 4, p. 14-16, 26, illus., diagrs.)

Discussion of a four-propeller design for a Swedish ice-breaker, inspired by the two forward propellers of the Canadian ice-breaking car ferry, *Abegweit*, which is also discussed here.

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4633. ENGLUND, JOH. FR. På äventyr i vilda västern och Alaska; verkli-ghetsskildringar. Oskarshamn, Oskarshamns-bladets boktryckeri, 1924. 160 p. illus. *Title tr.:* Adventures in the wild west and Alaska. Tales of actual happenings.

Part 2 (p. 47-160) contains a description of life in Alaska in the days after the gold rush, based on a trip by boat from Seattle to Skagway and the upper Yukon, by foot through the Alaskan wilderness to Dawson City, Klondike, Circle City, Tanana Hills, Cleary City, Fairbanks, Nome, Seward Peninsula, Little Creek, etc. Includes geographical and wildlife observations, note of process of mining gold in Alaska, also stirring encounters with bears and wolves in the wilderness.

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4634. ENQUIST, FREDRIK KARL, 1885-. Der Einfluss des Windes auf die Verteilung der Gletscher. (Upsala. Universitet. Mineralogisk-Geologiska Institut. Bulletin, 1916. v. 14, p. 1-108, illus. (incl. 13 sketch maps), 4 fold. maps) Issued separately as a doctoral dissertation, Upsala University, 1916.

Contains a study of the distribution of snow in the high mountains of the world and discussion of glaciation limits; glaciation in specific localities including the north polar regions; and remarks on climatology of the ice age; with bibliographic footnotes.

Maps include one showing the present-day orientation of glaciers (throughout the world).

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4635. ENSLIN, E. Tenthredinidae. Petrograd, 1919. 1 p. l. 10 p. (Ekspeditsiia brat'ev Kuznetsovykh na pol'iarnyi Ural, 1909. Resultats scientificques. Livr. 14. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, no. 14) *Title tr.:* Tenthredinidae. (Scientific results of the Expedition of the Kuznetsov Brothers to the arctic Ural, 1909) Text in German.

An annotated list, with localities, of twenty-seven (including with descriptions, three new) species and two new subspecies of sawflies, from the Kara and Obdorsk tundras and Ural Mts., with a bibliography (11 items).

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4636. ENTWISTLE, F. The meteorological problem of the North Atlantic. (Meteorological magazine, Dec. 1938. v. 73, p. 289-92, maps, table)

The weather hazards and advantages of three trans-Atlantic routes are discussed. The northern route via southern Greenland and Labrador is shown to have the advantage on east-to-west crossing due to the prevalence of easterly winds.

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4637. ENVALL, A. Official report to the Swedish Royal Board of Health on the hygiene and care of the sick during the Swedish Polar Expedition, 1872-3. (In: Leslie, A. The arctic voyages of Adolf Erik Nordenskiöld, 1858-1879, pub. 1879, p. 391-417) Translation of article appearing in Svenska läkarsällskapet. Nya handlingar, 1874. Ser. 2, D. 5:3, p. 87-122.

Discusses provisions, clothing, routine and discipline, medical stores, climate and diseases, with tables of rations, weather, nutritive value of rations, sick list and list of diseases.

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4638. ENWALD, KURT H. Beiträge zur Kenntnis der Chroococcaceen Finnlands. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, *pub.* 1904. Häfte 30, p. 149-55, *illus.*) *Title tr.*: Contributions to the knowledge of Chroococcaceae of Finland.

Contains an enumeration of thirty species of Chroococcaceae, unicellular blue-green algae (Cyanophyceen), including seven native to Enontekis Lappmark, with some measurements and data on distribution in Finland.

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4639. ENWALD, REINHOLD. Ornitologiska anteckningar, gjorda i norra delen af finska naturhistoriska området. (Societas pro fauna et flora fennica. Meddelanden, 1886, *pub.* 1888. Häfte 15, p. 1-23) *Title tr.*: Ornithological notes made in northern parts of the Finnish natural history region.

Contains ornithological observations made during travels in Finnish and Russian Lapland (Kola Peninsula), including a list of one hundred twenty birds observed in the summers of 1880, 1882 and 1883.

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ENWALD, REINHOLD, *see also* Brotherus, V. F. Undersökning af Kola-hälfön. 1888.

4640. ENZBERG, EUGEN von. Heroen der Nordpolarforschung. Der reiferen deutschen Jugend und einem gebildeten Leserkreise, nach den Quellen dargestellt. Leipzig, Reisland, 1898. viii, 325 p. *illus.*, 7 double-face plates, 2 maps (1 fold.) *Title tr.*: Heroes of North Polar exploration. For older German youth and reading clubs, from authentic sources.

Historical sketches of great explorers from Barendsz to Nansen.

Copy seen: DLC; NNSStef.

4641. EPSHTEIN, V. M. Ocherk primorskoi rastitel'nosti Onezhskogo poluostrova. (Zemlevedenie, 1937. T. 39, vyp. 3, p. 210-28, *illus.*, tables) *Title tr.*: Description of seashore vegetation of Onezhskiy Peninsula.

Contains discussion of the unusual vegetation of Onezhskiy Peninsula (65°-66°30'N. 37°-39°E.) in the immediate proximity of the sea on the salted strip of the shore formed by sea deposits. The author, who investigated the area in summer 1936, divides this vegetation into two groups: (1) that growing on clay ooze; (2) that growing on sand. He gives a detailed description of both groups and their associations, also a list of 43 plants growing on sand, and list of 42 of the most interesting plants collected in this seashore region.

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4642. ERDMANN, HUGO, 1862-1910. Alaska; ein Beitrag zur Geschichte nordischer Kolonisation; Bericht, dem Herrn Minister der geistlichen, Unterrichts- und Medizinal-Angelegenheiten erstattet. Berlin, D. Reimer (Ernst Vohsen), 1909. xv, 223, [1] p. incl. front., *illus.*, 16 plates (incl. 2 maps), ports., fold. map. *Title tr.*: Alaska; a contribution to the history of northern colonization; report to the Minister of Religion, Education and Health.

Contains a sketch of the economic geography of the Yukon and Alaska in the period immediately following the gold rush; notes on the physical features of the country and its natives; regional studies, and a few notes on history of Alaska.

Copy seen: DLC; NNSStef.

EREDIA, FILIPPO, 1877-, *see* Nobile, U. In volo alla conquista del segreto polare. 1928.

4643. EREMEEV, N. A. Analiz vremeni stoianki v portakh. (*In:* Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervyi, 1941, p. 227-45, tables) *Title tr.*: Analysis of time lost standing in harbors.

Discussion of vessels kept standing (beyond a reasonable time for loading and unloading) in harbors of the Northern Sea Route in 1938. Reports of ships' captains on work in the harbors.

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4644. EREMEEV, N. A. Obzor morskikh operatsii v zapadnom sektore. (*In:* Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervyi, 1941, p. 11-37) *Title tr.*: Survey of sea operations in the western sector.

Summary of shipping movements in 1939 in the western sector of the Northern Sea Route. *Copy seen:* NNSStef.

4645. ERGIS, G. U. Sobiranie i izucheniye iakutskogo fol'klora. (Sovetskaiâ étnografiâ. Akademiâ nauk SSSR, 1947, vyp. 2, p. 223-28) **Title tr.:** The collection and study of Yakut folklore.

Contains review of the work accomplished in collecting Yakut folklore, beginning with the pioneer work of O. Böhlingk up to the organized efforts of the Institute of Language and History of the Yakut A.S.S.R. A list of the major contributors and their works is given as well as the institutions sponsoring the study of the Yakut language and folklore.

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ERICHSON, WILHELM FERDINAND, 1809-1849, *see* Ménétriés, E. Insecten (Middendorff 1843-44) 1851.

ERICKSON, ANER W., *see* Thorne, R. L., & others. Tungsten deposits Alaska. 1948.

4646. ERICSON, I. B. *Orchestes flagellum* Erics., ein Käfer von Spitzbergen. (Vienna. Zoologisch-botanische Gesellschaft. Verhandlungen, 1902. Bd. 52, p. 15-17) **Title tr.:** *Orchestes flagellum* Erics., a beetle from Spitsbergen.

Full description of a species from collections of the Swedish-Russian Spitsbergen Expedition for the Measurement of an Arc of Meridian, 1898-1902.

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ERIKSEN, E., *see* Hoel, A. Discovery of King Karl Land, Spitsbergen. 1935.

ERIKSON, C. B., *see* Clase, B. L. E. Kaptén Clases dagbok. 1936.

4647. ERIKSON, JEAN. Några minnen från Spetsbergen år 1896. (Polar-årbooken, 1939, p. 11-18, illus.) **Title tr.:** Remembrances from Spitsbergen in the year 1896.

The author, West Spitsbergen's first tourist, describes his experiences; his meeting with Professor de Geer, head of the Swedish geodetic expedition, then on the island, and with the Jeafreson-Farnham expedition.

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4648. ERIKSSON, BACKA E. Climatology and meteorology. Scientific results of the Swedish-Norwegian Arctic Expedition . . . 1931. Pt. 6. (Geografiska annaler, 1933. Årg. 15, p. 117-50, illus. (incl. tables, diagrs.))

Report on limited observations, June 28-Aug. 10, with synoptic and isothermal charts, tables and conclusion. Bibliography, p. 149-50.

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ERIKSSON, BACKA E., *see also* Ahlmann, H. W., & B. E. Eriksson. Studies in NE. Greenland 1939-40. Pt. 1-4. 1941-42.

4649. ERIKSSON, JAKOB, 1848-1932. Noch einmal *Aecidium astragali* Eriks. (Botaniska notiser, 1891, p. 40-43) **Title tr.:** Further data on *Aecidium astragali* Eriks.

Contains a new name *Aecidium astragali-alpini* Eriks. nov. nom., a corrected synonymy and critical notes on a species of rust fungi, *Aecidium astragali*, described earlier by the author in fascicle 6 of his *Fungi parasitici scandinavici exsiccati*, 1888.

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4650. ERIKSSON, JOHN. The Swedish species of the "*Poria vulgaris* group". (Svensk botanisk tidskrift, 1949. Bd. 43, häfte 1, p. 1-15, illus. plates 1-5)

Contains a critical revision of Swedish mosses of the *Poria vulgaris* group comprising seven types, with synonymy, descriptions, citation of specimens and data on distribution; includes *P. lenis* and *P. xantha*, native to Swedish Lapland; bibliography (18 items).

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4651. ERLANDSSON, STELLAN. *Artemisia borealis* Pall. var. *bottnica* (Kindb.) Lindb. fil. Dess systematiska ställning och förekomst i Fennoskandia. (Botaniska notiser, 1940, häfte 2, p. 144-56, illus., text maps) **Title tr.:** *Artemisia borealis* Pall. var. *bottnica* (Kindb.) Lindb. fil. Its systematic standing and occurrence in Fennoskandia.

Contains a comparative taxonomic study of three Scandinavian herbs, *Artemisia borealis* (Novaya Zemlya, arctic U.S.S.R., Alaska, arctic Canada), *A. campestris*, and *A. borealis* var. *bottnica* (Norrbotten, Sweden), and their Scandinavian and total distribution. Summary in English.

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4652. ERLANDSSON, STELLAN. *Carex marina* Dewey och dess hybrid med *Carex glauca* Wg. nya för svenska och finska floran. (Botaniska notiser, 1937,

häfte 3-4, p. 202-15, illus.) **Title tr.:** *Carex marina* Dewey and its hybrid with *Carex glareosa* Wg. new to the Swedish and Finnish flora.

Contains Latin diagnoses of *Carex glareosa* (Norrbotten, Sweden, and Tuloma region, Kola Peninsula), *C. marina* (Norrbotten), and their hybrid *C. glareosa* x *C. marina*, with a comparative study of these sedges and a list of localities for parent plants. Summary in English.

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4653. ERLANDSSON, STELLAN. Marine diatoms collected by the Swedish Kamchatka - Expedition 1920-1922. Stockholm, Almqvist & Wiksell, 1930. 10 p. illus. (Arkiv för botanik. 1931, pub. 1930. Bd. 23 A, no. 8)

Contains an enumeration of forty-six species of marine diatoms, including *Achnanthes capitata* n. sp., collected by E. Hultén, botanist of the Swedish Kamchatka Expedition, in Akhomten Bay on the eastern coast of the Kamchatka Peninsula in 1920.

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4654. ERLANDSSON, STELLAN. *Saussurea alpina* (L.) DC. funnen i Småland. (Botaniska notiser, 1940, häfte 1, p. 69-76, text map) **Title tr.:** *Saussurea alpina* (L.) DC. found in Småland.

Contains a report on the find of *Saussurea alpina* in Småland in southern Sweden, outside of its continuous area of distribution in the North (arctic Norway, Sweden, Kola Peninsula); *Saussurea* in its southern locality is considered a relict plant. Summary in English.

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4655. ERLANDSSON, STELLAN. Utbredningen av *Achroanthos monophyllos* Greene i Fennoscandia. (Botaniska notiser, 1937, häfte 6, p. 401-09, text map) **Title tr.:** Distribution of *Achroanthos monophyllos* Greene in Fennoscandia.

Contains a list of localities of *Achroanthos monophyllos* in Fennoscandia, including Neder-Kalix, Norrbotten (found June 1936), and Kemi Lappmark, Finland, and the names of about sixty plants found in the same locality with that terrestrial orchid; total distribution includes Kamchatka, Alaska, and the Aleutian Islands.

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ERLANDSSON, STELLAN, *see also* Haglund, G. E., & S. Erlandsson. Einige *Taraxacum*-Arten. 1937.

4656. ERLANDSSON, STELLAN. The chromosome numbers of some *Taraxacum* species. (Botaniska notiser, 1939, häfte 1, p. 261-64, illus.)

Contains a cytological study of the chromosome numbers of some species of the herbaceous genus *Taraxacum* from West Spitsbergen and *T. phynatocarpum* from Disko Island, West Greenland.

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4657. ERLANSON, CARL OSCAR, 1901-. The vascular plants of an inland region within the Holstensborg District of West Greenland. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1941. Pt. 2, p. 257-75, 3 plates)

Results of the University of Michigan Greenland Expedition, 1926-27. Paper no. 317, Dept. of Botany, University of Michigan. Contains a description of the heath, fjældmark, bog, and lake vegetation of a region eighty miles from the coast, lying at the head of Søndre Strømfjord (66°50'-67°N. 50°-50°50'W.), and a list of one hundred twenty-nine species and varieties of plants collected.

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ERMAN, E., *see* Nordenskiöld, N. A. E. Nordenskiölds Vegafahrt. 1886.

4658. ERMAN, GEORG ADOLF, 1806-1877. Beiträge zur Klimatologie des Russischen Reiches. III. Das Klima von Petropaulshafen. (Archiv für wissenschaftliche Kunde von Russland, 1848. Bd. 6, p. 441-88, incl. tables) **Title tr.:** Contributions to the climatology of Russia. 3. Climate at Petropavlovsk.

Contains daily meteorological data for a complete year, observed by the official administration of the city, 1828-29; and discussion of the temperature anomalies and ranges, and the interrelationship of the various elements in the region.

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4659. ERMAN, GEORG ADOLF, 1806-1877. Ethnographische Wahrnehmungen und Erfahrungen an den Küsten des Beringsmeeres. (Zeitschrift für Ethnologie. Berlin, 1870-71. v. 2, p. 295-327, 369-93, fold. map; v. 3, p. 149-75, 205-219) **Title tr.:** Ethnographic observations and experiences on the coasts of Bering Sea.

Discusses the names and distribution of tribes bordering the North Pacific; describes the ethnography of the Kolosh (Tlingit) Indians on the basis of the author's visit to Sitka in Nov. 1829, on his voyage around the world; and describes the ethnography of the Aleuts, largely on the basis of Russian and German publications.

Includes detailed Tlingit material on shamanistic ceremony, religious beliefs and myths, menstrual customs, plant and animal foods, and utensils. *Map* of distribution of native peoples of northwestern North America and northeastern Asia, scale about 1:18,000,000.

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4660. ERMAN, GEORG ADOLF, 1806-1877. Note on a new map of Kamchatka. (Royal Geographical Society. Journal, 1839, v. 9, p. 508-11)

Extract from a letter dated Berlin, 26th February, 1839, with remarks concerning physiographic features of the peninsula, as shown by a new map prepared by the author on the basis of his visit in 1829.

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4661. ERMAN, GEORG ADOLF, 1806-1877. Reise um die Erde durch Nord-Asien und die beiden Ozeane in den Jahren 1828, 1829 und 1830 ausgeführt von Adolph Erman. Berlin, G. Reimer, 1833-48, 2 v. in 5: lviii, 2793 p., fold. plates, fold. maps, and 2 atlases (in 1 v.) *Title tr.:* Journey around the world through northern Asia and both oceans in the years 1828, 1829, and 1830.

Narrative and results of a journey (by land from Berlin to Okhotsk, thence by sea to Kamchatka and, via Sitka, to San Francisco, South America, England, Berlin) undertaken primarily to make a series of detailed observations on geographic location, elevations, and terrestrial magnetism. Includes incidental observations, many detailed, on zoology, botany, geography, and ethnology. *Contains in part 1* (3 vols.), an historical account of the journey, chronologically arranged, with description of the geography and peoples seen.

v. 1: Berlin to Tobolsk. Includes (p. 528-722) detailed account of a sleigh trip down the Ob River to Salekhard (Obdorsk) and return, Nov. 22 to Dec. 27, 1828, with observations on the depth of frozen ground, the material culture of the Ostyaks and Samoyeds; a 200-word Ostyak vocabulary; and notes on

the geology of the northern Urals obtained on a short side trip. Folded plates include (1) sketches of horse, reindeer, and dog harness, and sleigh; (2) map of Ob River from Tobolsk to the mouth, scale about 1:3,800,000, showing author's route.

v. 2: Tobolsk to Okhotsk. Includes (p. 248-303) observations on the physical geography, geology, and trade of the Yakutsk area, and notes on the Yakut natives, with a Yakut vocabulary of about 500 words.

v. 3: Okhotsk to Petropavlovsk. Includes (1) notes on the geography, geology, climate, and people of Okhotsk and vicinity, with a Tungus vocabulary of 136 words, based upon a sojourn, May 19 to July 28, 1829; (2) notes on weather and soundings during a trip across the Sea of Okhotsk, July 28 to Aug. 10; (3) detailed observations made in Kamchatka, Aug. 10 to Oct. 14, 1829 (p. 135-567). In Kamchatka, Erman traveled from the west coast up the Tigil River to Yelovka, down the Yelovka River, up the Kamchatka River by boat, through the southern part of the peninsula, to Petropavlovsk. En route and on short side trips he made detailed observations on physical geography, geology, and altitudes, particularly of Shiveluch and Klyuchevskaya volcanoes, botany, zoology, meteorology, fishing, gardening and ethnology, including vocabularies of Kamchadal dialects. *Part 2* (2 vols.) gives the methods and mathematical results of Erman's geographic and geomagnetic observations:

v. 1 includes computations and results of observations on latitude (stellar basis), longitude (lunar and chronometric basis), height above sea level (barometric basis), and magnetic declination.

v. 2 includes all geomagnetic inclination and intensity observations, and magnetic observations made at sea (Okhotsk).

Atlas vol. Natural history atlas includes (1) list and description of birds, with some plates; (2) list and description of mammals, especially minute description and plate of a sea otter from Sitka; (3) list, description, and plates of fishes; (4) general description of vegetation distribution in Kamchatka, with annotated list of 149 (including two new) species collected.

and one plate. Geographical atlas contains ten plates of landscape views, chiefly of Kamchatka mountains, and one plate of aboriginal figures including ground plan of a Kamchatka fish trap.

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4662. ERMAN, GEORG ADOLF, 1806-1877. Travels in Siberia: including excursions northwards, down the Obi, to the Polar Circle, and southwards, to the Chinese frontier. Tr. from the German by William Desborough Cooley. London, Longman, Brown, Green, and Longmans, 1848. 2 v.: xi, 495 p.; ix, 536 p. fold. map.

Translation of part 1, narrative, of the original Berlin edition of *Reise um die Erde*, etc., 1833-48. The narrative of the portion of the journey from Berlin to Tobolsk is abridged. Part 2, scientific results, and the atlas volume, are omitted. Native vocabularies are omitted. Map of Siberia, showing route of author, is the only illus.

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4663. ERMAN, GEORG ADOLF, 1806-1877. Travels in Siberia: including excursions northwards, down the Obi, to the Polar Circle, and, southwards, to the Chinese frontier. Tr. from the German, by W. D. Cooley. . . Philadelphia, Lea & Blanchard, 1850. 2 v.: 371, 400 p.

Another edition of the item above, omitting the map, but without apparent change of text.

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4664. ERMAN, GEORG ADOLF, 1806-1877. Ueber einige meteorologische Resultate der Sagoskinschen Reise. (*In*: Zagoskin, L. Ueber die Reise und Entdeckung (etc.). *Pub.* in: Archiv für wissenschaftliche Kunde von Russland, 1849. Bd. 7, p. 467-80) *Title tr.*: On some meteorological results of Zagoskin's journey.

Contains observations of air temperature and wind direction for scattered days during a few months, at St. Michael, Nulato, and two other localities quoted as 61°47'14"N. 196°25'41"E. of Paris and 61°34'2"N. 199°2'26"E. of Paris; with discussion by the author.

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ERMAN, GEORG ADOLF, 1806-1877, *see also* Baer, K. E. von. On ground ice Siberia. 1838.

ERMAN, GEORG ADOLF, 1806-1877, *see also* Ehrenberg, C. G. Mikroskopische Analyse organischen Erden. 1842.

ERMAN, GEORG ADOLF, 1806-1877, *see also* Hansteen, C., & C. Due. Resultate magnetischer (etc.) Beobachtungen 1828-30. 1863.

ERMAN, GEORG ADOLF, 1806-1877, *see also* Zagoskin, L. A. Ueber d. Reise Zagoskin in russischen Amerika. 1848-49.

4665. ERMILOV, I. ĬA. Geologicheskie issledovaniia na Gydanskom poluostrove v 1927 g. (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy, 1935. vyp. 20, p. 11-25, map) *Title tr.*: Geological investigations made on Gydan Peninsula.

Account of geological work of the Gydan Expedition of the Academy of Sciences U.S.S.R., in 1927.

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4666. ERMILOV, I. ĬA. Karta Gydanskogo poluostrova. Leningrad, 1933. 46 p. fold. map (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy, vyp. 9) *Title tr.*: A map of Gydan Peninsula.

A map prepared by the author in 1930, based on work of Gydan Expedition in 1927 and other cartographical materials (the latter especially for the areas adjacent to Gydan Peninsula, Yamal and Taymyr).

Explanatory note contains brief historical data on previous exploration of the region from the 17th century to 1927, p. 15-18. Description of the route followed by the survey party and the conditions which affected the accuracy of the survey. Data on land forms, rivers (length, depth, ice conditions) and lakes of the region. List of 115 points with geographic coordinates determined as a basis for the map, p. 26-29. Enumeration of main cartographic materials on Gydan Peninsula, p. 30. List of 128 altitudes taken as a basis for the hypsometric map, p. 31-32. List of 412 main rivers and their tributaries with translation of their local names into Russian, p. 33-46.

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4667. ERMILOV, I. ĬA. O nekotorykh osobennostiakh rechnykh otlozhenii severo-zapadnoi i severnoi Sibiri. (Akademiia nauk SSSR. Poliarnaiia komissiiia. Trudy, 1935. vyp. 20, p. 27-33, illus.) *Title tr.*: Some peculiarities of river deposits of northwestern and northern Siberia.

Discussion of river deposits as geomorphological factors in Siberia especially in the Gydan Bay region. Includes reference to permafrost conditions which permit the interlayer of vegetable remains to be cemented by freezing into lenses of considerable size. A large amount of perfectly preserved vegetable and animal remains were found in alluvial deposits of northern Siberia, including fresh-water molluscs and fish and animal bones. The preservation of carbonate salts in the frozen sea and river deposits is also due to permafrost.

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4668. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Beiträge zur Kenntnis der quartären Klimate Nordasiens. (Arktis, 1931. Jahrg. 4, p. 3-9, plate) *Title tr.:* Contributions to knowledge of Quaternary climate of northern Asia.

Contains discussion of Quaternary deposits on the New Siberian Islands and northern Yakutia, relative to paleoclimate.

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4669. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskaiā karta sovetskoi Arktiki i Subarktiki. (Sovetskaiā Arktika, 1937, no. 4, p. 90-92) *Title tr.:* Geological map of the Soviet Arctic and subarctic.

Brief account of work on the preparation of a geological map (scale 1:2,500,000) of the Soviet North by a group of geologists of the Arctic Institute in 1936.

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4670. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskii i geomorfologicheskii ocherk ostrova Bol'shogo Liakhovskogo. (Akademiā nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriiā iakutskaiā, vyp. 7: Poliarnaiā geofizicheskaiā stantšiā na ostrove Bol'shom Liakhovskom, chast' 1, p. 147-228, illus., fold. map, diagrs.) *Title tr.:* Geological and geomorphological sketch of the Bolshoi Liakhovski Island.

Result of the author's field work 1928-30; data on relief, land forms, tectonics, stratigraphy, subterranean ice, geologic processes affecting relief and shore line. Bibliography (about 150 items on geology in arctic regions). *Map*, scale 1:400,000. Summary in English.

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4671. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskii ocherk Novoi Zemli. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1937. T. 87, p. 141-71) *Title tr.:* Geological outline of Novaya Zemlya.

Data on geomorphology, stratigraphy (in detail), volcanic cycles, tectonics and structure.

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4672. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskii ocherk Novosibirskikh ostrovov. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1937. T. 87, p. 293-312) *Title tr.:* Geological outline of the New Siberian Islands.

A general study with emphasis on stratigraphy.

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4673. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskii ocherk ostrovov tsentral'noi chasti Karaskogo moriā. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1937. T. 87, p. 199-204) *Title tr.:* Geological outline of central Kara Sea islands.

Short geological descriptions of Ushakova, Vize, Uyedineniya, Isachenko and Kirova, Islands.

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4674. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskii ocherk Sval'barda. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1937. T. 87, p. 29-67, fold. tables) *Title tr.:* Geological outline of Svalbard.

A general study with emphasis on stratigraphic characteristics, and with some comparative data relating to other arctic regions.

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4675. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologicheskoe stroenie i poleznye iskopaemye Novozemel'sko - Vaigachsko - Paikhoiskoi skladchatoi sistemy. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Glologo-razvedochnaiā konferentsiā. 1st, Moskva, 1935. Geologiā i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2. Poleznye iskopaemye, p. 3-46, illus., fold. map, tables) *Title tr.:* Geological structure and mineral resources of the Novaya Zemlya-Vaygach-Pay-Khoi fold system.

Brief historical sketch of the exploration of the region; outline of the geomorphology, stratigraphy, paleogeography, tectonics, mineral resources (coal, petroleum, asbestos, fluorite, and

complex ores, with analyses), volcanic cycles, ore genesis. Bibliography (89 items). **Copy seen:** DLC.

4676. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Geologiya Novoi Zemli. Vyp. 2: Stratigrafiya i paleogeografiya. Leningrad. 1936. 116 p. illus., tables (part. fold.) diagrs. (part fold.) (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 61) **Title tr.:** Geology of Novaya Zemlya. Part 2: Stratigraphy and paleogeography.

Presentation of a stratigraphic scheme of Novaya Zemlya worked out by the author (as a result of recent explorations) in modification of O. Holdahl's *On the rock formations of Novaya Zemlya*, 1924, q.v. Treats of Precambrian, etc., Silurian, Devonian, Carboniferous, Permian, Mesozoic, rock formations and fauna. Tabular scheme of the Novaya Zemlya-Vaygach-Pay-Khoy system. Bibliography (85 items). Geographic names p. 106. Summary in English. **Copy seen:** DLC.

4677. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Glatsiologicheskaia ekskursiia na lednik Shokal'skogo v Russkoi Gavan'. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Novozemel'skaia ekskursiia. Leningrad, 1937. Chast' 2, p. 112-22, illus.) **Title tr.:** Glaciological excursion to Shokal'sky Glacier in Russkaya Gavan'.

Results of the author's observations on a trip to clarify the problems of (1) regression of recent glaciation of Novaya Zemlya, (2) relation between the present glaciation and post-glacial transgressions, (3) high terraces on the shores and in the inner section of Novaya Zemlya, and (4) specific features of glaciation on Novaya Zemlya. Also published in English with title: *Russian Harbour glaciological excursion*, 1937, q.v.

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4678. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Instruktivnaia dlia ekspeditsionnogo izucheniia iskopaemogo l'da kak geograficheskogo faktora. Leningrad, Izd-vo Arkticheskogo instituta, 1932. 42 p. illus. **Title tr.:** Instructions for the study of fossil ice as a geographic factor.

Contains directions and advice for investigators of fossil ice and fossil

glaciers; and description of various kinds of fossil ice, under the following heads: 1. Terminology; general characteristics of the regions of fossil ice. 2. Covering of the fossil ice. 3. Structure of ice. 4. Beds of ice; samples for laboratory research. Bibliography (141 items) on Novaya Zemlya, New Siberian Islands, Europe, Asia, and America.

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4679. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Istoriia otkrytiia Novosibirskogo arkhipelaga, ego issledovanie i razvitie ostrovnnykh promyslov. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriya ikutskaiia, vyp. 7. Poliar-naia geofizicheskaiia stantsiia na ostrove Bol'shom Liakhovskom, chast' 1, p. 9-37, fold. map) **Title tr.:** History of the discovery and exploration of the New Siberian Islands, and the development of island trade.

A short history of expeditions to the islands, with a general description of conditions, hunting and the mammoth ivory trade, with bibliography at end.

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4680. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . Marshruty ekskursii na vostochnom beregu Russkoi Gavan' i v raione zaliva Chaeva. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Novozemel'skaia ekskursiia. Leningrad, 1937. Chast' 2, p. 98-111, illus. map) **Title tr.:** Routes of the excursions on the eastern shore of Russkaya Gavan' and in the region of Chaev Bay.

Description of geological investigations of outcrops along the routes followed by the excursion in 1937, based on the author's observations. Itinerary and geological sketch maps. Also published in English with title: *Russian Harbour*, 1937, q.v.

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4681. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- . O geologicheskoi karte sovetskoi Arktiki. (Problemy Arktiki, 1937, no. 1, p. 45-65) **Title tr.:** Geological map of the Soviet Arctic.

A discussion of methods of work and the problems confronting the geologists of the Arctic Institute U.S.S.R. in preparing a geological map, 1:2,500,000.

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4682. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. O prirode nekotorykh nanosnykh obrazovaniï Novoi Zemli. (Leningrad. Institut po izucheniiu Severa. Trudy, 1929. vyp. 40, p. 241-65, diagrs.) *Title tr.*: The character of some ocean sediment deposit formations on Novaya Zemlya.

A discussion of the process of coastal formations on Novaya Zemlya.

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4683. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Ocherk geologicheskogo stroeniia Novoi Zemli. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Chast' 1. Novozemel'skaia ekskursiia. Leningrad, 1937. Chast' 1, p. 102-147, 3 fold. maps) *Title tr.*: Outline of the geological structure of Novaya Zemlya.

A detailed summary on the stratigraphy of Paleozoic deposits of the island, based on the literature and on study of materials collected by the expeditions of the Arctic Institute, U.S.S.R., in the 1930's. Includes a chapter on volcanic cycles and tectonic structure of the region. Also published in English with the title: *Stratigraphy of Paleozoic deposits of Novaya Zemlya*, 1937, q.v.

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4684. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Otchet o rabote beregovoi geologicheskoi partii Cheshskoi ekspeditzii 1926 goda. (In: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Its Trudy, 1929. Vyp. 43, Chast' 2: Ekspeditiia v Cheshskuiu gubu 1925-26 gg., p. 19-29) *Title tr.*: Geological investigations in the region of Timan.

Report on the author's work while with the Cheshkaya Bay Expedition in 1926: the landings on the Timan and Kanin coasts, geology of the localities, and (in brief) surveying work done. Summary in English.

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4684A. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Russian Harbour. (In: Samoilovich, R. L., and M. M. Ermolaev, editors. The Novaya Zemlya excursion, 1937. Pt. 2, p. 93-106, sketch maps, diagrs. Pub. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 22])

Translation of his *Marshruty èkskursii na vostochnom beregu Russkoi Gavani i v raione zaliva Chaeva*, 1937, q.v.

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4684B. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Russian Harbour glaciological excursion. (In: Samoilovich, R. L., and M. M. Ermolaev, editors. The Novaya Zemlya excursion, 1937. Pt. 2, p. 107-117, illus. Pub. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 22])

Translation of his *Glatsiologicheskaiia ekskursiia na lednik Shokalskogo v Russkoi Gavani*, 1937, q.v.

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4684C. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Stratigraphy of Palaeozoic deposits on Novaya Zemlya. (In: Samoilovich, R. L., and M. M. Ermolaev, editors. The Novaya Zemlya excursion, 1937. Pt. 1, p. 91-134. Pub. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 21])

Translation of his *Ocherk geologicheskogo stroeniia Novoi Zemli*, 1937, q.v.

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4685. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-. Zametki po stratigrafii paleozoiia severnoi chasti Novoi Zemli. Leningrad, 1935. 63 p., illus. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 27) *Title tr.*: Notes on the stratigraphy of Novaya Zemlya.

Results of a study made for the Arctic Institute of the U.S.S.R. in 1933; generalization of the Silurian, Devonian and Carboniferous and correlations of each with analogous strata in England and the Ural region. Summary in English, p. 53-63.

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4686. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905-, and A. A. PETRENKO, editors. Ob iasnite'naia zapska k geologicheskoi karte severnoi chasti SSSR (masshtab 1:2,500,000). Leningrad, Izd-vo Glavsevmorputi, 1937. 491 p. fold. tables. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 87, chast' 1) *Title tr.*: Explanatory note to the geological map of the northern part of USSR. Scale 1:2,500,000.

A summary of results of explorations of geological field parties in the Soviet Arctic to 1936. Reviewed by P. George,

in Annales de géographie, 1946. T. 55, p. 112-23.

Contents tr.: LENINGRAD. VSEOSŮZNYI ARKTIČESKII INSTITUT. Explanatory note to the geological map of the northern part of the U.S.S.R. (etc.) Preface.

ERMOLAEV, M. M. Geological outline of Svalbard.

SPIZHARSKII, T. N. Geological outline of Franz Josef Land and Victoria Island.

VOLKOV, S. N., and N. V. ĬATSŮK. Geological outline of the polar Ural Mountains.

VOLKOV, S. N., and N. V. ĬATSŮK. Geological outline of Timan Mountains.

ERMOLAEV, M. M. Geological outline of Novaya Zemlya.

SAKS, V. N. Geological outline of the Ob-Yenisey plain.

ERMOLAEV, M. M. Geological outline of Central Kara Sea islands.

MOOR, G. G. Geological outline of the Siberian plateau and adjoining folds.

ERMOLAEV, M. M. Geological outline of the New Siberian Islands.

SPIZHARSKII, T. N. Geological outline of the Lena-Indigirka region.

VAS'KOVSKII, A. P., and L. A. SNĬATKOV. Geological outline of the Indigirka-Kolyma region.

SAKS, V. N. Geological outline of the Chukotsk region.

Each of these papers appears in this Bibliography under the author's name.

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4687. ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- , and N. I. TOLSTIKHIN. Kratkaia instruktšiiā po izučeniū iskopаемого l'da. (In: Akademiā nauk, SSSR. Komitet po vechnoi merzlotе. Sbornik instruktšii i programnykh ukazanii, 1938, p. 129-38) *Title tr.:* Brief instructions for the study of fossil ice.

Contains definition of concept, and instructions for gathering data on condition of deposits of ground ice, including forms, size of deposits, specific observations, study of physical properties, and the study of the thermal régime and dynamic manifestations near the border of its distribution.

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ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- , *see also* Kurbatov, L. M., & M. M. Ermolae. K voprosu o radioaktivnosti. 1937.

ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- , *see also* Samoilovich, R. L., & M. M. Ermolae, eds. Novaya Zemlya excursion. 1937.

ERMOLAEV, MIKHAIL MIKHAILOVICH, 1905- , *see also* Zhurnal planiā Novozemel'skoi ēkspeditšii za 1925 g. 1929.

4688. ERSKINE, HILDRED D. Katmai's black-out. (Alaska sportsman, Sept. 1940. v. 6, no. 9, p. 16-17, 22, illus.)

Account of the effects of the eruption of Mt. Katmai in 1912, on the village of Kodiak, in southwest Alaska.

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4689. ERSLEV, ED. Levningene af Franklin-expeditionen. (Geografisk tidsskrift, Kjøbenhavn, 1880. Bd. 4, p. 133-35) *Title tr.:* The remains of the Franklin Expedition.

Account of the Frederick Schwatka Search Expedition, 1877-79, for records, etc., of Sir John Franklin, in the region of King William Island, as reported in "Newyorker Staatszeitung" by a member of the Schwatka's party.

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4690. ERSLEV, ED. De norske Nordhavs-expeditioner 1876-1878; en anmeldelse. (Geografisk tidsskrift, Kjøbenhavn, 1884. Bd. 7, p. 5-10) *Title tr.:* The Norwegian Arctic Expeditions, 1876-1878; a review.

Review of *Den norske Nordhavs-expedition, 1876-1878*, q.v., under the leadership of C. F. Wille, describing the expedition, and discussing its scientific results.

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4691. ERSLEV, ED. Om havedyrkning i nordlige egne. (Geografisk tidsskrift, Kjøbenhavn, 1877. Bd. 1, p. 87-95) *Title tr.:* On gardening in northern regions.

Includes discussion of gardening in West Greenland and the difficulties involved due to the severe climate.

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4692. ERSLEV, ED. Udtog af A. E. Nordenskiöld's rapport om Grönlands-expeditionen, 1883. (Geografisk tidsskrift, Kjøbenhavn, 1884. Bd. 7, p. 56-63) *Title tr.:* Summary of A. E. Nordenskiöld's report on the Greenland Expedition, 1883.

Account (based on Nordenskiöld's preliminary report to Dr. Oscar Dick-

son) of the Swedish expedition to West and East Greenland in 1883, and the journey from Egedesminde over the inland ice with Lapps. Includes discussion of the length of the trip on the inland ice; Nordenskiöld's theory concerning an ice-free area in the interior of Greenland; and his landing on the East Greenland coast after penetrating the ice belt. *Copy seen:* DLC.

ESBEN-PETERSEN, see PETERSEN, ESBEN.

4693. **ESCHENHAGEN, M.** Die erdmagnetischen Beobachtungen in Systemen der internationalen Polarforschung 1882-83. (Annalen der Hydrographie und maritimen Meteorologie, Apr. 1887. Jahrg. 15, p. 129-34) *Title tr.:* The systematic observations of terrestrial magnetism of the International Polar Year 1882-83.

Lecture before the Meteorological Society in Hamburg, Mar. 1887. Discusses the significance for magnetic research, of the network of stations set up by the International Polar Year Expedition, and the correlated observations of auroras and earth currents. *Copy seen:* DLC.

ESCHSCHOLTZ, JOHAN FRIEDRICH GUSTAV von, 1793-1831, see Kotšebu, O. E. Entdeckungs-Reise 1815-18. 1821.

ESCHSCHOLTZ, JOHAN FRIEDRICH GUSTAV von, 1793-1831, see also Kotšebu, O. E. Entdeckungsreise, 1815-18. 1825.

ESCHSCHOLTZ, JOHAN FRIEDRICH GUSTAV von, 1793-1831, see also Kotšebu, O. E. Puteshestvie v ūzhnyi okean i v Beringov pr. 1821.

ESCHSCHOLTZ, JOHAN FRIEDRICH GUSTAV von, 1793-1831, see also Kotšebu, O. E. Voyage of discovery South Sea & Bering St. 1815-18. 1821.

ESCHSCHOLTZ, JOHAN FRIEDRICH GUSTAV von, 1793-1831, see also Mochul'skii, V. I. Observ. sur le Musée Entomologique de l'Univ. de Moscou. 1845.

4694. **ESCHRICHT, DANIEL FREDERIK, 1798-1863.** Zoologisch-anatomisch-physiologische Untersuchungen über die nördlichen Walthiere. 1. Bd. Leipzig, L. Voss, 1849. xvi, 205 [1] p. illus., 14 (i.e. 15) plates (4 fold.) No more published. *Title tr.:* Zoological,

anatomical and physiological studies on the northern whales.

Contains a general section on the sources of information, especially the whaling stations, the distribution and zoological position of whales; and seven sections dealing with the anatomy and occurrence of five species of whales which were known in the Greenland Sea and Baffin Bay-Davis Strait waters. Copy seen: DLC.

4695. **ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- .** Bibliografiâ rabot po murmanskoi sel'di na russkom iazyke do 1937 g. vkhûchitel'no. (Murmansk. Polîarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. p. 160-69) *Title tr.:* Bibliography of works in the Russian language on Murman herring through 1937.

List of about 120 items published 1787-1937, some with brief annotation. *Copy seen:* DLC.

4696. **ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- .** Biologicheskii i nauchno-promyslovye raboty Arkticheskogo instituta na Novoi Zemle. (Leningrad. Vsesoiûznyi arkticheskii institut. Trudy, 1933. T. 7, p. 5-8) *Title tr.:* The biological and the scientific fishing and hunting work of the Arctic Institute on Novaya Zemlya. Summary in English. *Copy seen:* DLC.

4697. **ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- .** Biologicheskie Arbeiten der letzten Jahre auf Nowaja Semlja im allgemeinen und speziell des Arktischen Instituts (Leningrad, USSR). (Arctica, 1934. No. 2, p. 161-75, map) *Title tr.:* Hydrobiological and zoological work of the last few years on Novaya Zemlya generally, and especially the work done by the Arctic Institute, Leningrad, U.S.S.R.

A review of scientific work (ornithology, zoology, geobotany, hydrobiology and fisheries research, etc.) done on Novaya Zemlya since 1921, with special emphasis on the projects sponsored by the Arctic Institute, U.S.S.R. Bibliography, p. 171-73 (thirty-five items) Summary in Russian. *Copy seen:* DLC.

4698. **ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- .** Brief review of the ichthyofauna of the Kara Sea. (Arctica, 1933. No. 1, p. 169-86)

History of ichthyological research in Kara Sea, including Kara, Ob, Yenisey, and Pyasina Rivers; annotated list of forty species of marine and fresh-water fishes; bibliography on the fishes and fisheries of the region. Translated from the original Russian, with summary in Russian. *Copy seen:* DLC.

4699. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Ikhtiofauna moriâ brat'ev Laptevykh. (Zoologicheskii zhurnal, 1940. T. 19, vyp. 1, p. 139-42) *Title tr.*: The ichthyofauna of the Brothers Laptev Sea.

Brief sketch of the salt-water fishes, based on the investigation of catches made from the ice-breaker *Sibirîâkov* in 1932 and 1933. Annotated list of eight species of salmon and nineteen species of marine fishes, twelve of which are arctic forms. Summary in English. *Copy seen:* DLC.

4700. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. K voprosu o rasakh treski Barentsova moriâ (Murmanskaiâ turiânka). (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1931. Vyp. 48, t. 1, p. 75-94, plate, tables) *Title tr.*: On the question of races of Barents Sea codfish.

Discussion of the small coastal cod occurring in the Barents Sea along the Kola Peninsula. Summary in German. *Copy seen:* DLC.

4701. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Korûshka Gydan'skogo zaliva. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Seriiâ "Promyslovoe khoziâistvo," 1941. Vyp. 15, p. 147-48) *Title tr.*: The Gydan Bay smelt. *Copy seen:* DLC.

4702. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Materialy k promyslovo-biologicheskoi kharakteristike treski i pikshi Vostochnogo Murmana. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1931. Vyp. 48, t. 1, p. 19-47, tables, diagrs.) *Title tr.*: Contribution to the economics and biology of the cod and haddock of the eastern Murman coast.

Result of investigations on the weight and growth of local cod and haddock made in 1928 by the Porchnicha Scien-

tific and Economic Station of the Leningrad Institute for Scientific Exploration of the North. Summary in German. *Copy seen:* DLC.

4703. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Materialy po biologii i promyslu novozemel'skogo gol'tsa (*Salvelinus alpinus* L.). (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy, 1935. T. 17, p. 5-70, illus., tables, diagrs.) *Title tr.*: Materials on the life history and fishery of the char of Novaya Zemlya (*Salvelinus alpinus* L.)

Study of the taxonomy, distribution, migration and spawning, fecundity, feeding, and fishery methods and statistics, based on work of the Scientific Fishery Expedition to Novaya Zemlya, 1931-32. Summary in English. *Copy seen:* DLC.

4704. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Muksun [*Coregonus muksun* (Pallas)] Gydan'skogo zaliva. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Seriiâ "Promyslovoe khoziâistvo," 1941. Vyp. 15, p. 37-55, tables) *Title tr.*: The broad whitefish [*Coregonus muksun* (Pallas)] of Gydan Bay.

Results of detailed body measurements, average weights and growth rate, age distribution within the catch, and analysis of stomach contents of seventy-eight specimens. *Copy seen:* DLC.

4705. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Navaga Obskoi guby. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Seriiâ "Promyslovoe khoziâistvo," 1941. Vyp. 15, p. 141-45, tables) *Title tr.*: The navaga of Ob Bay.

Study of a important food fish of the White and Pechora Sea regions, *Eleginus navaga* Pallas, giving body measurements based on one hundred specimens, and some comparisons with species from the White Sea. *Copy seen:* DLC.

4706. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-. Novozemel'skaiâ treska. (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy, 1933. T. 7, p. 71-80, illus.) *Title tr.*: The cod (*Gadus callarias* L.) of Novaya Zemlya.

Discussion of the occurrence of cod in Novaya Zemlya waters, their migration to, and spawning on the western shores; also comparison with Murman specimens, and conclusion that Barents Sea cod show little if any local variations. Based on the author's work in Krestovskaya Bay in 1931, and on observations of an Institute for the Study of the North Expedition 1929-30, and others. Summary in English.

Copy seen: DLC.

4707. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O malopozvonkovykh sel'diakh (*Clupea harengus pallasi* Val.) Barentsova i Karskogo morei. (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. Vyp. 1, p. 149-59) **Title tr.:** On *Clupea harengus pallasi* of the Barents and Kara Seas.

Results of examination of about 300 specimens of the so-called eastern variety of herring, collected during Aug.-Sept. 1935, in region of Kolguyev Island, Barents Sea. On evidence of the physical characteristics and occurrence, the author proposes a systematic division of *Clupea harengus pallasi* into two distinct species. Summary in English.

Copy seen: DLC.

4708. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O pel'adi (*Coregonus peled* Gmelin) iz ozer Bol'shezemel'skoi tundry. (Zoologicheskii zhurnal, 1938. T. 17, vyp. 2, p. 303-315, tables). **Title tr.:** On salmon (*Coregonus peled* Gmelin) from the lakes of Bol'shezemel'skaya Tundra.

Summary of conclusions reached on the ground during the Scientific and Commercial expedition organized by the Arctic Institute, U.S.S.R., for investigation of reindeer farms in Bol'shezemel'skaya and Malozemel'skaya Tundras in 1933. The expedition included an ichthyological division, which investigated twelve lakes in the region of the Pechora River basin. The author gives description of salmon species found in these lakes and tables showing their characteristic features and fertility in relation to the rate of growth and age. Summary in English.

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4709. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O promysle gol'tsa na Novoi Zemle. (Sovetskii Sever,

1931, no. 9, p. 66-70) **Title tr.:** The salmon fishery on Novaya Zemlya.

Historical sketch of salmon fishing on the islands. Remarks on decrease in catch due to unsatisfactory organization; note of a three-man party sent by the Arctic Institute of U.S.S.R. in summer 1930, to investigate conditions in Krestovskaya Bay (74°10'N. 55°30'E.) on the west coast, and recommendation to survey the eastern coast of the islands as a potential salmon-fishing ground.

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4710. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O rybakh poliarnogo basseina i priligaishchikh k nemu glubin. (Problemy Arktiki 1937, no. 4, p. 85-97, illus., map) **Title tr.:** On the fishes of the polar basin and adjacent depths.

Short discussion, with descriptions of sixteen species of deep-sea fishes (location and depth given), based mostly on the collection taken by the ice-breaker *Sadko* in 1935. Summary in English, p. 92-97.

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4711. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O rybakh, sobranykh ekspeditsei na ledokol'nom parokhode "Sadko" v 1935 g. (Zoologicheskii zhurnal, 1939. T. 18, vyp. 5, p. 877-87, tables) **Title tr.:** On fishes collected by the ice-breaker *Sadko* expedition in 1935.

Account of the investigation of 105 fishes (19 species) taken in deep water in Greenland Sea, near Spitsbergen, and in Kara Sea. Lists, with notes, of species in each region, and detailed description of one new species. Table of collecting stations gives depth (of catch), temperature, salinity, bottom characteristics. Conclusion is drawn that fish fauna of deep arctic waters differ from those of the Atlantic. Summary in English.

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4712. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . O shchokure [*Coregonus nasus* (Pallas)] Gydenskogo zaliva. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo," 1941. Vyp. 15, p. 119-30, tables) **Title tr.:** *Coregonus nasus* Pallas of Gydan Bay.

A description and detailed body measurements of a species of whitefish;

comparison with species from other regions of the U.S.S.R., rates of growth, data on food (based on analyses of forty-five stomachs), and a bibliography (13 items). **Copied seen:** DLC.

4713. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Pervaaä russkaia äkspeäitšiiä na Novuu Zemliu. (Sovetskaiä Arktika, 1939, no. 9, p. 77-85, illus.) **Title tr.:** First Russian expedition to Novaya Zemlya.

Historical sketch of the Fedor Rozmyslov Expedition to Novaya Zemlya and its wintering on the coast of Matochkin Shar, 1768-69. Rozmyslov was the first Russian explorer to describe Matochkin Shar and begin the hydrographic exploration of waters around Novaya Zemlya. **Copied seen:** DLC.

4714. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Rastitel'nyi i zhivotnyi mir Novoi Zemli. (Sovetskii Sever, 1934, T. 5, no. 5, p. 52-59) **Title tr.:** Plants and animals of Novaya Zemlya.

Contains brief historical sketch of botanical and zoological exploration of Novaya Zemlya, general data on elements, and relationship of its fauna and flora; small bibliography.

Copied seen: NN; DLC.

4715. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Riäpushka (*Coregonus sardinella* Valenciennes) severnoi chasti Obskoi guby i Gydanskogo zaliva. (Leningrad. Nauchno-issledovatel'skii institut poliärnogo zemleäliä, zhivotnovodstva i promyslovogo khoziästva. Seriiä "Promyslovoe khoziästvo", 1941. Vyp. 15, p. 7-35, tables) **Title tr.:** The whitefish, *Coregonus sardinella* Valenciennes of the northern part of Ob and Gydan Bays.

This study includes detailed data on body measurements of local species, comparisons with specimens from other regions; distribution by age and weight groups, and analysis of stomach contents of one hundred seventy-eight specimens. Bibliography (18 items).

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4716. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Ryby, sobrannye äkspeäitšieiä na Zemliu Frantša-Iosifa letom 1929 g. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1931. Vyp. 49, p. 156-65, tables) **Title tr.:** Fishes, collected

by the Expedition to Franz Josef Land, summer, 1929.

Descriptive notes on six species of fishes from a collection made during the voyage of the ice-breaker *Sedov*, in Franz Josef Land waters and in Barents Sea (near Novaya Zemlya). Summary in German. **Copied seen:** DLC.

4717. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Ryby, sobrannye äkspeäitšieiä 1930 goda na l/p "G. Sedov" k Zemle Frantša-Iosifa i k Severnoi Zemle. (Leningrad. Vsesoiüznyi arkticheskii institut. Trudy, 1933. T. 8, p. 93-100, tables) **Title tr.:** Fishes collected by the expedition on the ice-breaker *Sedov* to Franz Josef Land and Severnaya Zemlya in 1930.

Annotated list of eleven species. Summary in German.

Copied seen: DLC.

4718. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Ukazatel' literatury po rybnomu khoziästvu evropeiskogo severa SSSR, 1917-1933 gg. Leningrad, izd-vo Glavnogo upravleniä Severnogo morskogo puti, 1935. 157 [1] p. **Title tr.:** Bibliography of the fishing industry in the European U.S.S.R. North.

Chronological bibliography (1465 items) of Russian literature, 1917-33, on the fishing industry. Includes works on the fishes of Barents and White Seas, Kanin Peninsula and Cheshskaya Bay and the Pechora River basin; their classification, biology and geographical distribution; also scientific explorations, organizations, expeditions; and the fishing industry, by region and kinds of fish (herring, salmon, codfish, etc.); fishing ships (trawlers), technology, and organization of the industry; also the algae industry; with index by author and topic.

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4718A. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896- . Zemliä Frantša-Iosifa. Arkhangel'sk, Sevkräigiz, 1935. 73, [2] p. illus., maps. **Title tr.:** Franz Josef Land.

Contains a popular scientific description of Franz Josef Land based on the explorations of Payer, Jackson, Nansen, Abruzzi, Al'banov, Sedov and others (geography, hydrology, geology, glaciers, climate and soil, fishery); also information on the Russian fishery in

the region of Franz Josef Land 1931-33, p. 70-72. Bibliography (25 items).

Map: 1:750,000, Franz Josef Land.

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4719. ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-, and G. S. SLASTNIKOV. Observations on the juvenes of the char (*Salvelinus alpinus* L.) of Novaya Zemlya in an aquarium. (Arctica, 1934. No. 2, p. 153-59)

Observations on the growth, development and adjustment to changed conditions, of young char, taken from Novaya Zemlya rivers and kept in the aquarium, Sept. 1931-June, 1932. Summary in Russian. *Copy seen:* DLC.

ESIPOV, VLADIMIR KONSTANTINOVICH, 1896-, see also Burmakin, E. V., & others. Rybnyĭ promysel v severnoi chasti Obsoĭ guby. 1940.

4720. ESKIMO: COUNTRY. CUSTOMS, CATHOLIC MISSIONARIES. Churchill, Man. Published by the Oblate Fathers of the Hudson Bay Vicariate, 1945- (in progress). v. 1-18, May? 1945-Dec. 1949 (in progress). illus., maps. Published quarterly (irregular), in English and French editions. First three issues had title: *The link*.

A bulletin of the Oblates of Mary Immaculate in the Canadian Eastern Arctic, "which features articles and stories relating to the life and experiences of [the] missionaries . . . and giving interesting facts about the Eskimos and their country."

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4721. ESMARK, BIRGITHE. Land and freshwater Mollusca in the arctic regions of Norway. (Tromsø, Norway. Museum. Årshefter, 1882. Bd. 5, p. 93-104)

Notes on occurrence of thirty-five species from many parts of arctic Norway, which are in the collection of the Tromsø Museum.

Copy seen: DLC; DSI-M.

4722. ESSEN, C. L. von. Bidrag till kännedomen om Finlands Cryptinae. (Societas pro fauna et flora fennica. Meddelanden. 1909-1910, pub. 1910. Häfte 36, p. 115-26) *Title tr.*: Contributions to the knowledge of Cryptinae of Finland.

Contains a systematic list of fifty-three species of hymenopterous insects of family Cryptinae with data on

distribution in Finland, including arctic regions.

Copy seen: MH

4723. ESTEP, GERALD A. Chignik (Alaska sportsman, Sept. 1938. v. 4, no. 9, p. 14-15, 18, 20, illus.)

Description of this village on Alaska Peninsula, its people, salmon canneries and traps, and natural beauties.

Copy seen: DLC.

4724. ESTEP, GERALD A. Skeleton on the shore. (Alaska sportsman, Jan. 1940. v. 6, no. 1, p. 10-11, 25, illus.)

Story of the schooner *Joseph Pulitzer*, which carried mail in Alaska waters, 1917-20, and grounded at Chignik on the Alaska Peninsula.

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4725. ESTRUP, HECTOR FREDERIK JANSON, 1794-1846. Nogle bemaerkninger angaaende Grönlands Österbygd. Kjöbenhavn, Andreas Seidelin, 1824. 60 p. Reprinted from Skandinaviske litteratur-selskab. Skriffter. Bd. 20, p. 243-300. *Title tr.*: Some remarks concerning Greenland's Österbygd.

Notes existence of manuscripts (dealing with Greenland and plans for its rediscovery) of unknown authorship in the Royal Library at Dresden, 1817; connects the mss. with a traitorous scheme of a government official, Paul Juel, for an expedition to rediscover Greenland, to the advantage of a foreign prince; discusses probable situation of Österbygd, (the Norsemen's "east settlement" on the West Greenland coast).

Copy seen: NN.

4726. ETHERIDGE, ROBERT, 1819-1903. Catalogue of pebbles and minerals dredged by Mr. Gwyn Jeffreys. Preliminary report of the biological results of a cruise in H.M.S. "Valorous" to Davis Strait in 1875. (Royal Society of London. Proceedings, June 1876. v. 25, p. 229)

Includes two Davis Strait stations.

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4727. ETHERIDGE, ROBERT, 1819-1903. Palaeontology of the coasts of the arctic lands visited by the late British expedition under Captain Sir George Nares. (Geological Society of London. Quarterly journal, Aug. 1878. v. 34, p. 568-639, 5 plates, fold. table)

Contains a discussion of general correlation and the American affinities, and descriptions of about ninety fos-

sil, marine invertebrate species, with locations and a table showing geographical distribution arranged by latitude, from the Ellesmere Island coast of Kane Basin north through Robeson Channel. *Copy seen:* DGS.

4728. **ETHERIDGE, ROBERT**, 1819-1903. Remarks on the geological collection made by Captain A. H. Markham. (In: Markham, Sir A. H. A polar reconnaissance, 1879, pub. 1881. Appendix G. p. 349-50)

Notes on the correlation of Carboniferous fossils found on Novaya Zemlya with those of arctic North America, Franz Josef Land and West Spitsbergen.

Copy seen: DLC; NNStef.

4729. **ETHNOGEOGRAPHIC BOARD**, Washington, D. C. Survival on land and sea. Prepared for the United States Navy by the Ethnogeographic Board and the staff of the Smithsonian Institution, with contributions by the Bureau of Aeronautics and Bureau of Medicine and Surgery. United States Navy. [Washington] Publications Branch, Office of Naval Intelligence, United States Navy, 1944. cover-title, iii, 187 p. illus., diagrs. double map on p. 2-3 of cover.

Contents include chapter 7 (p. 132-68), The Arctic, with sections on signal fire, fire making, shelter, carbon monoxide poisoning, cooking, water, food including edible plants, roots, fungi and lichens. *Copy seen:* DLC.

4730. **ETTE, HENRY**. "Argonauternes gyldne skind"; hvordan seksti ishavsgaster robbede 10.000 pelse i Nordishavet paa 5 maaneder; Norges største sael- og hvalfangst-damper "Viking" tog aar 1900, af Henry Ette. 30 aars nordligt liv; Ishavet—Spitsbergen—Østgrønland—Island—Faerøerne. København, Ettes forlag, 1930. 47, [1] p. illus. (incl. facsim.) plates, port. *Title tr.:* "The golden fleece of the Argonauts." How sixty polar seafarers took 10,000 pelts in arctic waters in five months; the trip of the Norwegian sealing and whaling steamer *Viking* in the year 1900. Thirty years' of life in the North. The Arctic Ocean, Spitsbergen, East Greenland, Iceland, The Faroes.

Contains accounts of sealing and whaling expeditions from 1900 to 1930,

in particular the expedition in the *Viking*, 1900, and in the *Samson* (later Byrd's *City of New York*), 1900 and 1908; trips to Iceland, Jan Mayen, East Greenland, West Spitsbergen, etc.; data on seals, whales, sealing methods, catch, prices; reminiscences of thirty years' sailing in arctic waters, with comment on weather, ice, etc.

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4731. **ETTE, HENRY**. Et dansk havfiskeri. København. Ettes forlag, 1930. 47 p., front., illus., table. *Title tr.:* A Danish deep sea fishery.

Contains the author's reminiscences as a deep sea fisherman, seal and whale hunter; data on the fishery at The Faroes, the species of fish, fish catch and fishing seasons at The Faroes and Greenland; points out necessity of having fishing stations in Greenland waters. Includes criticism of the Norwegian claims to sovereignty over East Greenland and also of Denmark's failure to establish a colony in northeast Greenland, settled by West Greenland Eskimos.

Copy seen: NN.

4732. **ETZEL, ANTON von**, 1821-1870. Grönland geographisch und statistisch beschrieben. Stuttgart, J. G. Cotta, 1860. xiv p., 1 l., 665 p.

A compilation based on the works of H. J. Rink and translated from Danish into German, by Anton von Etzel. The five sections cover history, physical geography, economic geography (the sea, vegetation, animal life and minerals as used by human beings), the people (material culture), and topographic-statistical descriptions (including full lists of plants and animals, minerals, administration, missions, regional geography, and production of all kinds).

Copy seen: DLC; NNStef.

4733. **E U L E R-CHELPIN, ASTRID MARIA (CLEVE)**, 1875- . Beiträge zur Flora der Bären-Insel. I. Die Diatomeen. Stockholm, P. A. Norstedt, 1900. 25 p. (Svenska vetenskapsakademien. Handlingar. Bihang, bd. 26, afd. 3, no. 10) *Title tr.:* Contributions to the flora of Bear Island. I. Diatoms.

List, with synonymy, localities and remarks on the specimens collected during the Swedish Expedition to Bear Island in 1899.

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4734. **E U L E R-CHELPIN, ASTRID MARIA (CLEVE)**, 1875- . Coscino-

disci et Thalassiosirae Fennosueciae. Eine kritische Übersicht. (Botaniska notiser, 1942, häfte 3, p. 231-78, illus.) **Title tr.:** Species of *Coscinodiscus* and *Thalassiosira* of Fennoscandia. A critical survey.

Contains a critical review of marine and fossil diatoms of the genera *Coscinodiscus* and *Thalassiosira*, based chiefly on material from Baltic Sea, Norwegian coast and White Sea (Kandalaksha), with keys to the sections and species, descriptions of numerous new forms, critical notes and enumerations of forty-two species, including many native to White and Greenland Seas; bibliography (30 items).

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4735. EULER-CHELPIN, ASTRID MARIA (CLEVE), 1875- . New contributions to the diatomaceous flora of Finland. Uppsala & Stockholm, Almqvist & Wiksell, 1915. 81 p. 4 plates. (Arkiv för botanik, 1915-1917, pub. 1915. Bd. 4, no. 9)

Contains a systematic enumeration of about two hundred seventy-five species of marine and fresh-water diatoms, most of them fossil species of the Litorina epoch from the Knazhaya and Kuodajäroenpää region in Russian Karelia, near the head of Kandalaksha Bay. Includes descriptions of numerous new species and data on the present-day distribution in the arctic regions.

Copy seen: MH.

4736. EULER-CHELPIN, ASTRID MARIE (CLEVE), 1875- . Skogsträdens höjdgranser i trakten af Stora Sjöfallet. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 3. p. 496-509) **Title tr.:** The upper limit of the woody vegetation in Stora Sjöfallet.

Contains a study of the upper limit of the woody vegetation in the mountains of Stora Sjöfallet in Torne Lappmark, northern Sweden.

Copy seen: MH.

4737. EULER-CHELPIN, ASTRID MARIA (CLEVE), 1875- . Våra sjöars *Melosira*-plankton. (Botaniska notiser, 1938, häfte 1-3, p. 143-63, plate 1) **Title tr.:** *Melosira* plankton of Swedish lakes.

Contains critical notes on three species and several forms of the diatom *Melosira*, occurring in the fresh-water plankton of Sweden, including *M.*

italica found near Tankapirtti, Finnish Lapland. **Copy seen:** MH-A.

4738. EVANS, ALEXANDER WILLIAM, 1868- . Hepaticae collected by William A. Setchell in northern Alaska. (Zöe, Nov. 1900-Jan. 1901. v. 5, p. 129-32)

Results of the University of California Botanical Expedition to Alaska, 1899, on which collections were made mainly in Unalaska Island, with a few specimens from St. Michael and a few from Cape Nome. Author gives list, with localities, of twenty-three species (two described) of liverworts, bringing the total for Alaska (then) to eighty-five species.

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4739. EVANS, ALEXANDER WILLIAM, 1868- . List of Hepaticae found in the United States, Canada and arctic America. (Bryologist, Oct. 1940. v. 43, p. 133-38)

List, without indication of locality, of four hundred sixty species belonging to one hundred fourteen genera of liverworts.

Copy seen: DA.

4740. EVANS, ALEXANDER WILLIAM, 1868- . Notes on the Hepaticae collected in Alaska. Papers from the Harriman Alaska Expedition. V. (Washington Academy of Sciences. Proceedings, Oct. 1900. v. 2, p. 287-314, 3 plates) Reprinted, 1904, as *Hepaticae of Alaska*, in Cardot, J., and others. Cryptogamic botany. Harriman Alaska series. v. 5, p. 339-72.

List, with localities, some descriptions, and notes on distribution, of sixty-three liverworts, of which thirty-eight are recorded from Alaska for the first time.

Copy seen: DLC.

4741. EVANS, ALLEN ROY. Meat; a tale of the reindeer trek (1929-1935). London, Hurst & Blackett, Ltd. [1935] 288 p. 8 plates, sketch map. Another edition (without illustrations was published by McClelland & Stewart, Ltd., Toronto, 1935. American edition was published under title: *Reindeer trek*, by Coward McCann, New York, 1935 (5 p. 1, 269 p.)

Journalist's story of the 1800-mile drive of three thousand reindeer from Buckland Bay, Kotzebue Sound across Alaska and the Yukon to the Mackenzie delta region.

Copy seen: CaOM; DLC.

4742. EVANS, EDWARD, and WILSON STURGE. Notes on the birds of western Spitzbergen as observed in 1855. (Ibis, Apr. 1859. v. 1, p. 166-74)

The authors made a natural history, and adventure trip in the summer of 1855, on a Norwegian fishing vessel, and relate here their observations on sixteen species of birds seen en route and on West Spitzbergen.

Copy seen: DSI-M.

EVANS, Sir EDWARD, 1881- , see MOUNTEVANS, EDWARD RATCLIFFE GARTH RUSSELL EVANS, Baron, 1881-

4743. EVDOKIMOV - ROKOTOVSKII, M. I. Metodologiya nauchno-issledovatel'skikh rabot po vechnoi merzlotte. (Akademiya nauk SSSR. Komissiya po izucheniyu vechnoi merzloty. Trudy, 1932. T. 1, p. 23-27) *Title tr.*: Methodology of scientific procedures for the study of permafrost.

Contains: Appeal to apply the Marxist method of dialectical materialism to the study of permafrost.

Copy seen: DLC.

4744. EVE, ARTHUR STEWART, 1862- . Northern lights. (Smithsonian Institution. Annual report, 1936, pub. 1937. p. 145-60, illus., 5 plates)

"A lecture delivered before the Royal Institution of Great Britain . . . Feb. 7, 1936. Reprinted . . . with slight alterations, from the pamphlet of the Royal Institution, and including additions to the text and illustrations published in Nature, v. 137, no. 3472, May 16, 1936."

Contains a general discussion of the auroras in relationship to other physical phenomena in the upper atmosphere.

Copy seen: DLC.

EVERETT, Mrs. DAN, 1869-1929, see WAID, EVA CLARK, 1869-1929.

4745. EVERLING, A. E. Ob otkrytii ostrova Uedineniya kapitanom E. Iogannesenom. (Severnii morskoi put', 1939. No. 12, p. 5-25, map, diagrs.) *Title tr.*: On the discovery of the Uyedineniya Island by Captain E. Johannesen.

An account of the discovery of the island (about 77°28'N. 82°28'E. in Kara Sea) and a discussion of original error in its location on maps.

Copy seen: DLC.

4746. EVERMANN, BARTON WARREN, 1853-1932. Eighteen species of birds new to the Pribilof Islands, including four new to North America. (Auk, Jan. 1913. v. 30, p. 15-18)

Based on field observations of naturalists assigned to the islands by the U. S. Bureau of Fisheries, 1910-11.

Copy seen: DSI-M.

4747. EVERMANN, BARTON WARREN, 1853-1932. The northern fur-seal problem as a type of many problems of marine zoology. (California. University. Scripps Institution of Oceanography. Bulletin, 1919. No. 9, p. 13-26)

Review of the international controversy over Bering Sea sealing, and an analysis of the failures of all tribunals, conferences, and U. S. government control measures to meet the scientific requirements of the problem; with a few notes on the biology of the herds.

Copy seen: DLC.

4748. EVERMANN, BARTON WARREN, 1853-1932. Report on inquiry respecting food-fishes and the fishing grounds. (U. S. Fish and Wildlife Service. Report of the Commissioner of Fisheries, 1904, pub. 1905. p. 81-162)

Contents include: Alaska salmon investigations, p. 87-102 (notes on the salmon, methods of fisheries, canning and salting, value, protection recommendations). Fishes of the Yukon River, p. 102 (nine species found in its headwaters in Yukon Territory).

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4749. EVERMANN, BARTON WARREN, 1853-1932, and E. L. GOLDSBOROUGH. A check list of the freshwater fishes of Canada. (Biological Society of Washington. Proceedings, Dec. 1907. v. 20, p. 89-119)

List, with records of occurrences in all of Canada, of one hundred forty-five species of fishes, and a bibliography (about 80 items).

Copy seen: DSI-M.

4750. EVERMANN, BARTON WARREN, 1853-1932, and E. L. GOLDSBOROUGH. The fishes of Alaska. (U. S. Fish and Wildlife Service. Bulletin of the U. S. Fish Commission, 1906, pub. 1907. v. 26, p. 219-360, 64 text figs., 29 plates) U. S. Bureau of Fisheries documents no. 624.

Based on observations made during an investigation (by a special commis-

sion appointed by the Commissioner of Fisheries) of the salmon fisheries of Alaska, 1903, and on all species previously recorded, as well as on Alaskan specimens in the U. S. National Museum. A list, with notes and locations, of two hundred eighty-eight (including, with descriptions, eight new) species of fishes, taken in waters from Puget Sound to the Arctic Ocean; a table showing distribution in south-eastern and central Alaska, Bering and the arctic seas; with a bibliography.

Copy seen: DF.

EVERMANN, BARTON WARREN, 1853-1932, *see also* U. S. Bureau of Fisheries. Alaska fishery & fur seal industries, 1911-45. 1912-48.

4751. EVFIMOV, N. G. Velichiny summ éffektivnogo izlucheniâ dlia nekotorykh punktov SSSR. (Meteorologîiâ i gidrologîiâ, 1939, no. 5, p. 19-28, tables, diagrs.) *Title tr.:* Values of sums of effective radiation for some places of U.S.S.R.

Effective radiation values have been determined for Cape Dezhneva, Cape Shmidt and Tikhaya Bay from the basis of one to three years' observations at each station during the period 1932-37. Computation methods are discussed.

Copy seen: DLC.

4752. EVGENOV, NIKOLAI IVANOVICH, 1888- . Arkticheskaâ gidrografiâ v 1935 godu. (Sovetskaiâ Arktika, 1936, no. 2, p. 24-35, illus.) *Title tr.:* Arctic hydrography in 1935. Account of hydrographic work in the Soviet arctic seas and rivers in 1935, and some preliminary conclusions.

Copy seen: DLC.

4753. EVGENOV, NIKOLAI IVANOVICH, 1888- . B. V. Davydov i ostrov Vrangeliâ. (Sovetskaiâ Arktika, 1936, no. 8, p. 36-41, illus., map) *Title tr.:* B. V. Davydov and Wrangel Island. Biographical sketch of this explorer (1884-1925), and account of his expedition to hoist the Soviet flag on Wrangel Island, 1924.

Copy seen: DLC.

4754. EVGENOV, NIKOLAI IVANOVICH, 1888- . K kartografii raiona ostrovov Vrangeliâ i Gera'd. Kratkii obzor kartograficheskogo materiala. (Severnyi morskoi put', 1935. No. 3, p. 80-87) *Title tr.:* Some notes on the car-

tography of the Wrangel and Herald Islands. A short review of the existing cartographic material.

A discussion of the existing maps of the islands with note of some of their discrepancies. Summary in English.

Copy seen: DLC.

4755. EVGENOV, NIKOLAI IVANOVICH, 1888- . K voprosu o neobkhodimosti izucheniâ kak zemnogo magnetizma, tak i povedeniâ magnitnogo kompasa na korabe v poliarnom basseine. (Severnyi morskoi put', 1934. No. 1, p. 57-68) *Title tr.:* On the necessity of studying earth-magnetism and the working of magnetic compass on board a ship in polar seas.

Peculiarities of arctic navigation, the importance of instrumental orientation, the deviation of the compass and magnetic disturbances. Summary in English.

Copy seen: DLC.

4756. EVGENOV, NIKOLAI IVANOVICH, 1888- . L'dy Karskogo moriâ v navigatsiû 1925 goda. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1926. T. 51, p. 117-52, illus., charts, diagrs.) *Title tr.:* Kara Sea ice conditions in the navigational year 1925.

A descriptive report based on observations made on board the ice-breaker *Malygin*, as well as observational material supplied by other vessels. Four charts on a folded plate at end indicate ice conditions.

Copy seen: DLC.

4757. EVGENOV, NIKOLAI IVANOVICH, 1888- . Ledokol'nyi parokhod "Georgii Sedov" v poiskovykh ékspeditsiakh 1928 goda. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1929. Vyp. 45, p. 96-112, tables, fold. map) *Title tr.:* The ice-breaker "Sedov's" arctic rescue expedition in the summer of 1928.

General account of the *Sedov's* voyage to rescue the crew of the airship *Italia*, which crashed at about 81°04'N. 25°25'E. Includes map indicating ice conditions in Kara and Barents Seas and waters south and west of Franz Josef Land, as observed from the *Sedov*; tabular journal of hydrometeorological observations six-times daily, July 8 to Aug. 31, showing pressure, wind direction and force, fog, visibility, sea surface temperature and state of the ice;

and note on correction to geographic position of the western point of Alexandra Land, westernmost of the Franz Josef islands. Summary in English.

Copy seen: DGS; DLC.

4758. EVGENOV, NIKOLAI IVANOVICH, 1888- . O plavanii v Sovetskoi Arktkie. (Sovetskii Sever, 1934, no. 3, p. 39-44) *Title tr.:* On navigation in the Soviet Arctic.

Brief historical sketch of navigation in, and hydrological characteristics of the seas of the Northern Sea Route.

Copy seen: DLC.

4759. EVGENOV, NIKOLAI IVANOVICH, 1888- . Posylka gidrograficheskoi partii na l. p. "Malygin" v Kar-skoe more v 1924 i 1925 g.g. (U.S.S.R. Hidrograficheskoe upravlenie. Zapiski po gidrografii, 1926. T. 51, p. 259-64) *Title tr.:* The dispatch of hydrological parties on the ice-breaker *Malygin* to Kara Sea in 1924 and 1925.

A short report on the voyages made in Aug. 1924, and Aug. 1925, for the purpose of collecting data on the ice conditions.

Copy seen: DLC.

4760. EVGENOV, NIKOLAI IVANOVICH, 1888- . Rezul'taty aerologicheskikh nabludeniĭ zmeikovykh pod'emov na g/s "Taimyr", proizvedennykh v 1913-1915 g.g. Leningrad, 1931. 45 p., illus., map. (U.S.S.R. Hidrograficheskoe upravlenie. Hidro-meteorologicheskie nabludeniia gidrograficheskikh ekspeditzii. Materialy gidrograficheskoi ekspeditzii Severnogo Ledovitogo okeana 1910-15 g.g.) *Title tr.:* Results of aerological observations recorded in kite ascents from the hydrographic vessel *Taimyr*, 1913-1915.

Results of forty-four individual kite-meteorograph soundings (ascents and descents) made during the wintering and at sea (mostly near Taymyr Peninsula) during the period Sept. 1914-Sept. 1915; and one sounding made in Bering Strait, Aug. 6, 1913 and another in the Kara Sea, Sept. 4, 1913. Data from work of the Hydrographic Expedition under Vil'kitskii in the northern polar sea under auspices of the hydro-metrical sector of the Hydrographic Administration, U.S.S.R. A review of this work, *The vertical temperature gradient in the Arctic* by C. E. P. Brooks, was published in Meteorological magazine, Dec. 1931. v. 66, p. 267-77.

Copy seen: DLC.

4761. EVGENOV, NIKOLAI IVANOVICH, 1888- . Samolet na sluzhbe Severnogo morskogo puti. (In: Obshchestvo izucheniia Ssvetskoi Azii, Vozdushnye puti Severa, 1933, p. 139-66, illus.) *Title tr.:* The airplane on the Northern Sea Route.

Account of the first Soviet flight over the Barents and Kara Seas under the leadership of B. G. Chukhnovskii in 1923; services rendered by aviation to navigation on the Northern Sea Route in 1924-29, and especially in 1930; and evaluation of the role of aviation in arctic sea communication.

Copy seen: DLC.

4762. EVGENOV, NIKOLAI IVANOVICH, 1888- . Ssobrazheniia o predel'noi osadke moshchnykh ledokolov na Severnom morskome puti. (Severnyi morskoi put', 1934. No. 1, p. 52-57)

Title tr.: On the draught limit of powerful ice-breakers to be used on the North Sea Route.

Discussion based on the factor of depths along the Northern Sea Route, U.S.S.R. Summary in English.

Copy seen: DLC.

4763. EVGENOV, NIKOLAI IVANOVICH, 1888- . Sostoianie l'dov v 1932-1933 g. v Beringovom prolivie i v Chukotskom more na puti k ust'iu r. Kolymy. (In: Kireev, I. A., editor. Vostochno-Sibirskoe i Chukotskoe moria, Beringov proliv i Beringovo more. 1936, p. 19-30, maps) *Title tr.:* State of ice in the Bering Strait and Chukchi Sea in 1932-33 on the way to the mouth of R. Kolyma.

Observations on ice conditions made from the ice-cutter *Litke* and other ships during the Northeastern Polar Expedition of the People's Commissariat of Water Transportation, 1932-1933. Includes two sketch maps showing the routes taken and the ice formations encountered. Summary in English, p. 46-54.

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4764. EVGENOV, NIKOLAI IVANOVICH, 1888- . Sostoianie l'dov v 1932-1933 gg. v Vostochno-Sibirskom more. (In: Kireev, I. A., editor. Vostochno-Sibirskoe i Chukotskoe moria, Beringov proliv i Beringovo more. 1936, p. 5-13, maps (1 fold)) *Title tr.:* State of ice in the East-Siberian Sea in 1932-33.

Based on observations of the ice-cutter *Litke* and other ships during

the Northeastern Polar Expedition of the People's Commissariat of Water Transportation 1932-33, as part of the Second International Polar Year Program. The observations were made from Aug. 1932 through the wintering (in Chaun Bay, with one ship fast in ice outside) and July-Sept., 1933. Summary in English, p. 36-41.

Copy seen: DLC.

4765. EVGENOV, NIKOLAI IVANOVICH, 1888- , and **N. N. GAKEN**. Ispol'zovanie okraski l'da dlia navigatsionnykh tselei. (Severnyi morskoi put', 1934. No. 1, p. 75-77) *Title tr.*: The use of paint on ice for navigational purposes.

Discusses a method of indicating a route for navigating through ice, by casting paint (fuchsin) from the leading ice-breaker upon ice along the route. Summary in English.

Copy seen: DLC.

EVGENOV, NIKOLAI IVANOVICH, 1888- , *see also* Akademiia nauk SSSR. Komissiiia po izucheniiu iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy eksped. k ust'iam Leny i Oleneka. 1928-29.

EVGENOV, NIKOLAI IVANOVICH, 1888- , *see also* U.S.S.R. Hidrograficheskoe upravlenie. Lot'siia Karskogo moria. I-II. 1938-40.

4766. EVLADOV, V. P. Karta iAmala. (Problemy Arktiki, 1937, no. 4, p. 109-125, fold. map) *Title tr.*: The map of Yamal Peninsula.

Author's map (1:1,500,000) of the region (67-73°N. 67-73°E.) with a geographic description and details on topography, rivers (including information on navigability, depths), and lakes.

Copy seen: DLC.

4767. EVLADOV, V. P. V tundrakh iAmala. Sverdlovsk. Gosudarstvennoe Izdvo. Ural-skoe oblastnoe otdelenie, 1930. 68 p., illus., fold. map. *Title tr.*: In the Yamal tundras.

Description of the Yamal Peninsula—geography, hydrology, vegetation, animals and birds; Samoyeds, their clan organization, laws, dwellings, dress, occupations, fisheries, family and social relations, rites and religion.

Map: Tobol'sk District of Ural Oblast' scale 1:9,000,000.

Copy seen: DLC.

EWAN, JOSEPH ANDORFER, 1909- , *see* Bailey, A. M. Birds of arctic Alaska. 1948.

4768. EWART, JOHN SKIRVING, 1849-1933. British protection. Behring Sea seizures. (*In his*: Kingdom papers, 1913. v. 2, p. 59-112; no. 13)

Contains facts concerning seizures by U. S. cruisers of Canadian vessels in 1886, 1887 and 1889, and a critical discussion of lack of British protection, during the sealing controversy in Behring Sea. *Copy seen:* CaOAr; DLC.

4769. EXELMANS, A. Observations magnétiques. (*In*: Voyage de "La Manche" à l'île Jan-Mayen et au Spitzberg (juillet-août 1892) 1894. p. 125-42, incl. 4 p. of tables) *Title tr.*: Magnetic observations.

Contains discussion of instruments, methods of calculation, and places where observations were made; and tables of data for Jan Mayen, for Recherche and Skans Bays (West Spitzbergen), also six observations between 71°30'N. and 77°30'N. in Greenland Sea.

Copy seen: DLC.

4769A. EXNER, F. M. Über die Zirkulationen kalter und warmer Luft zwischen hohen und niedrigen Breiten. (Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Sitzungsberichte, 1928. Abt. 2A, Bd. 137, p. 189-225, illus.) *Title tr.*: On the circulation of cold and warm air between high and low latitudes.

Discussion of frequency and distribution of frequencies of colder and warmer air currents in the Northern Hemisphere; charts of warm and cold zones, and a theoretical explanation of the air currents, based on daily temperatures for Jan.-Mar. 1910, of one hundred twenty northern hemispheric stations.

Reviewed by A. J. Henry in U. S. Weather Bureau. Monthly weather review, Dec. 1929, v. 57, p. 491-98.

Copy seen: DGS.

4770. EXPÉDITIONS POLAIRES FRANÇAISES. EXPÉDITION ARCTIQUE, 1948. The French arctic research expedition 1948 preliminary campaign to Greenland. [n.p.] 1948. 9 numb. l. Process print.

An outline of the organization, purposes, landing, camps, road building,

equipment, storage, and work plan of the expedition led by Paul-Émile Victor, to the Greenland icecap, inland from Equip-Sermia, 69°46'N. 50°15'W.

Copy seen: CaMAI.

4771. EXPÉDITIONS POLAIRES FRANÇAISES. EXPÉDITION ARCTIQUE, 1948. Publications [Paris] 1948-49. 8 v. illus., tables, diagrs. (part fold.)

The French polar expeditions were organized in Oct. 1947 by Paul-Émile Victor for scientific study of the north and south polar regions. One party under A.-F. Liotard went to Adelaide Land, Antarctica, in Nov. 1948. The Arctic Expedition under P. E. Victor spent five months on the Greenland icecap, May-Oct. 1948, as a preliminary expedition in preparation for a two-year project beginning in 1949. The preliminary expedition to Greenland established three camps, one on the inland ice, east of Equip-Sermia, 69°46' N. 50°15'W. where research was carried out in glaciology, geophysics, meteorology, geomagnetism, gravity, and geology; another group studied human geography of West Greenland, particularly in the Disko region.

Contents tr.: No. 1 (pub. 1948). MARTIN, J. Gravimetry and the Arctic Expedition.

No. 2. (pub. 1948). Martin, J., and R. Bollo. Simultaneous gravimetry, Paris-Chamonix and Paris-Toulouse-Pic du Midi de Bigorre.

No. 3. (pub. 1948). CAILLEUX, A. Cryopedological studies.

No. 4. (pub. 1948). DaCosta, J. F. The Antarctic and international law.

No. 5. (pub. 1949). VICTOR, P. E., and others. Preliminary report of the preparatory expedition to Greenland (1948).

No. 5. Addenda (pub. 1949). BAUER, A., and others. Preliminary report. Geodesy.

No. 6. (pub. 1949). VICTOR, P. E. Techniques de chasse, piègeage et pêche pour survivre, dans les régions polaires.

No. 7. (pub. 1949). BOUCHÉ, M., and G. TAYLOR. Campagne au Groenland 1948. Météorologie.

ROUET, R. Transmissions radio.

Each of these papers (except no. 2, 4) appears in this Bibliography under the author's name.

File seen: CaMAI (in progress).

EXPLORERS CLUB OF AMERICA, see U. S. Work Projects Administration. New York (City) Annotated bibliography. 1938.

4772. EXPLORERS JOURNAL. v. 1-28 (in progress). New York, The Explorers Club, 1921-1950 (in progress). 28 v. illus.

Quarterly journal devoted to news of the club's members and expeditions, reports of its meetings, reviews of recent publications, etc.; though the scope of the journal, like the interests of the club, is world-wide exploration and geography, it includes much on the arctic region. A feature of the journal is the illustrations on the covers, usually reproduced from photographs often of arctic subjects.

File seen: DLC; NNA.

4773. EXPLORERS JOURNAL. Special number on the arctic search. (Explorers journal, Dec. 1937. v. 15, no. 4, p. 1-16)

Contains brief papers by V. Stefansson, E. P. Hansen, A. Fiala, W. R. Gregg, and others, on the search for the Levanevskii party, lost during a flight over the Arctic Basin, Aug. 1937.

Copy seen: NNStef.

4774. EYERDAM, WALTER J. Lichens from Alaska: Thum Bay, Knight Island, Prince William Sound. (Bryologist, Mar. 1949, v. 52, p. 34-38)

List, with habitat notes, of fifty-six species collected in 1939-40, with description of the plant associations and terrain in the Thum Bay region.

Copy seen: DA.

EYERDAM, WALTER J., see also Bartram, E. B. Mosses Aleutian I. 1938.

4775. FAAS, V. A. K voprosu organizatsii aërofotos'emochnykh rabot v Arktike. (Severnii morskoi put', 1936. No. 5, p. 96-104) *Title tr.:* Organization of the aerophoto survey in the Arctic.

A discussion of the importance of aerial photographic survey, the peculiarities of this work in arctic regions, its technical problems and requirements, with special emphasis on the Northern Sea Route, U.S.S.R.

Copy seen: DLC.

FAASEN, A., see Bruyne, A. de, & others. Verslagen omtrent den tocht Willem Barents 1879. 1880.

FABIAN, A. APPELSIS, *see* Levine, V. E., & others. Blood iron & copper of Eskimos. 1937.

4776. FABRICIUS, OTTO, 1744-1822. Fauna groenlandica, pattedyr og fugle. Oversat og forsynet med indledning og kommentarer af G. Helm. København, G.E.C. Gad. 1929. 170 p. illus., port., 1 map. (Grønlandske Selskab. Skrifter 6) **Title tr.:** The fauna of Greenland. Mammals and birds. Translated, with introduction and commentaries, by G. Helm.

This is the first part of Book 3 of a work projected in three books. The only other section completed was published as Fabricius' *Grønlandsbeskrivelse*, 1ste bog, 1946, q.v.

Lists and descriptions of thirty-two mammals and fifty-three species of birds; notes on other zoological species and on migratory birds; also on geography, soil conditions, temperature, climate, ethnography, etc., dealing chiefly with Frederikshaab district, 62°N. Includes biography of the author, bibliography and index.

Copy seen: NNNstef; NN; NNA.

4777. FABRICIUS, OTTO, 1744-1822. Favna groenlandica, systematice sistens animalia Groenlandiae occidentalis hactenus indigata, quoad nomen specificum, triviale, vernaculumque . . . Hafniae et Lipsiae, Gottlob Rothe, 1780. xvi, 452 p. fold. plate. **Title tr.:** Greenland fauna; systematics of animals occurring in West Greenland, with specific, common and vernacular names (etc.).

One of the first and long the standard catalog with descriptions of the mammals, birds, amphibia, fishes, insects, arachnids, worms and other invertebrates (numbered 1, Greenland man, to 468, a sponge), plants and minerals of West Greenland (mainly Frederikshaab District) and adjacent waters; with a chapter on geographic distribution, of the fauna, and notes on the history of the country.

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4778. FABRICIUS, OTTO, 1744-1822. Grønlandsbeskrivelse, 1ste bog, ved H. Ostermann. København, C. A. Reitzel, 1946. viii, 110 p. 28 cm. (Meddelelser om Grønland. Bd. 129, nr. 4) **Title tr.:** Description of Greenland, Book I. Edited by H. Ostermann.

Published here for the first time from a manuscript (of about 1777) belonging

to the author's grandson. The work was planned in three books of which only the first book and the first part of the third book were completed. The latter was published as *Fauna groenlandica, pattedyr og fugle*, 1929, q.v.

Contents tr.: pt. 1. On the country and its nature (name, geographical position, maps, physical geography, lakes, rivers and brooks, glaciers and the inland ice, natural phenomena such as land slides and calving of glaciers)

Pt. 2. On the surrounding ocean (names; taste, color and phosphorescence of the sea water; fiords, strand-flats, bottom; currents, tides, drift ice, icebergs).

Pt. 3. On the air (temperature, wind, rain, hail and storm; auroras and optical phenomena, 1769-72).

Pt. 4. Divisions of the country (Old Greenland: Østerbygden; New Greenland: Vesterbygden; six trading districts in New Greenland). Editorial commentary by H. B. S. Ostermann.

Copy seen: DSI-M.

4779. FABRICIUS, OTTO, 1744-1822. Den grønlandske ordbog, forbedret og forøget. Kjøbenhavn, C. F. Schubart, 1804. viii, 795 p. **Title tr.:** Greenlandic dictionary enlarged and improved.

Contains Eskimo word list with Danish equivalents, explanatory notes, and some indication of regional variants within the author's experience in West Greenland; also index to Danish words.

Copy seen: DLC.

FABRICIUS, OTTO, 1744-1822, *see also* Reinhardt, J. Ichthyologiske bidrag Grønlandske fauna. 1838.

FABRICIUS, OTTO, 1744-1822, *see also* Sabine, Sir E. Memoir on birds of Greenland. 1818.

4780. FAEGRI, KNUT. Trekk av *Lichina*-arternes utbredelse i Norden. (Nytt magasin for naturvidenskapene, 1938. Bd. 78, p. 141-51, illus. text maps) **Title tr.:** Notes on the distribution of the genus *Lichina* in northern Europe.

Contains short descriptions of *Lichina confinis* and *L. pygmaea* and their habitats, with maps of their distribution in northern Europe and the Baltic regions, the former native to all arctic regions of Norway, and the latter extending to Nordland; bibliography (19 items). Summary in English.

Copy seen: MH-Z.

4781. FAESSLER, CARL. Les gisements de fer du Labrador. (Naturaliste canadien, jan.-fév. 1948. v. 75, p. 5-30, illus.) *Title tr.*: The iron deposits of Labrador.

Description of the new iron mining development in the Labrador-Quebec boundary area, about 55°N. 67°W., the companies, geology of the region, physiography, the various local deposits, physical and chemical analysis of the ore and ore genesis.

Copy seen: DA; DSI-M.

4782. FAESTER, KNUD, 1887- . Effect of the climatic amelioration of the past decade on the autumn change of coat of the arctic fox in Greenland. København, C. A. Reitzel, 1945. 18 p., 2 l. incl. tables. 2 fold. diags. (Meddelelser om Grønland, Bd. 142, nr. 2)

Based on fox skins sent to Denmark from West Greenland (except Thule District), 1919-39, the great majority of foxes having been trapped in the Egedesminde District. During the latter part of this period a constantly increasing number proved to be animals with an imperfect winter pelage ("summer skins"). The author makes analysis of fluctuations founded on graphic consideration of catches, and possible factors causing fluctuation: epizootics, nutrition, precipitation, and temperature.

Copy seen: DGS.

4783. FAGIN, K. MARSHALL. Drilling problems in Alaska. (Petroleum engineer, Oct. 1947. v. 19, no. 1, p. 180, 182, 184, 186, 188, 190, illus., incl. 3 sketch maps, diags.)

Discussion of difficulties offered by permafrost, in drilling for petroleum in U. S. Naval Petroleum Reserve no. 4, northern Alaska.

Copy seen: DLC; NNStef.

4784. (Not used.)

4785. FAGIN, K. MARSHALL. Economics of Alaskan exploration. (Petroleum engineer, Dec. 1947. v. 19, no. 3, p. 57-58, 60, 62, 64, 66, 68, illus., incl. sketch map)

General data, discussion of financing and various aspects of the project of prospecting for oil in U. S. Naval Petroleum Reserve no. 4, northern Alaska, 1943-47.

Copy seen: DLC; NNStef.

4786. FAGIN, K. MARSHALL. Exploration in Alaska. (Petroleum engineer,

Sept. 1947. v. 18, p. 150, 152, 156, 158, 160, 162, 164, illus., incl. 2 sketch maps, diags.)

Description of geologic and geophysical prospecting methods for petroleum in U. S. Naval Petroleum Reserve no. 4, in northern Alaska, 1944-47.

Copy seen: DLC; NNStef.

4787. FAGIN, K. MARSHALL. Oil prospecting in Alaska. (Petroleum engineer, Aug. 1947. v. 18, p. 43-48, illus. incl. sketch map)

History of exploration of U. S. Naval Petroleum Reserve no. 4, in northern Alaska, with notes on various core tests, equipment, and land-air operations, 1944-46.

Copy seen: DLC; NNStef.

FAHEY, JOSEPH JOHN, 1901- , see Coats, R. R., & J. J. Fahey. Siderophyllite from Brooks Mt., Alaska. 1944.

4788. FAHRINGER, JOSEF, 1876- . Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 24. Braconidae Kirby, s. lat. [Stockholm, 1929] 12 p. (Arkiv för zoologi. Bd. 21A, n:o 8) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22. 24. Braconidae Kirby, s. lat.

Annotated list, with localities, of 38 (including with descriptions, four new) species of ichneumon-flies.

Copy seen: DSI-M.

4789. FAIRBAIRN, HAROLD WILLIAM, 1906- . Notes on mammals and birds from Great Slave Lake. (Canadian field naturalist, Oct. 1931. v. 45, p. 158-62)

Field notes made during a Canadian Geological Survey trip, summer 1929, mostly in the Hudsonian zone, east of this lake, but with some records from the Canadian zone west of Slave River; lists, with notes, of eight mammals and over sixty birds.

Copy seen: DLC.

4790. FAIRBAIRN, P. E. The petrology of the Hecla Hook formation in central Spitsbergen. (Geological magazine, Oct. 1933. v. 70, p. 437-454, illus.)

Based on specimens collected by the Cambridge Spitsbergen Expeditions 1930 and 1932, in the area between Klaas Billen Bay and Wijde Bay, and to the east and northeast of Mittag-Leffler Glacier, extending northward to the upper portion of Lomme Bay Glacier.

Copy seen: DGS.

FAIRCHILD, C. C., *see* Tyrrell, J. W. Report explor. survey Gt. Slave L. & Hudson B. 1902.

FAIRCHILD, JOHN G., 1882- , *see* Buddington, A. F., & J. G. Fairchild. Some Eocene volcanics SE. Alaska. 1932.

4791. FAIRCHILD, JOHNSON E. Alaska in relation to national defense. (Association of American geographers. Annals, 1941. v. 31, p. 105-112, sketch map)

General discussion, mentioning three critical defense points, Seward, Valdez, and Dutch Harbor, also the U. S. Army base under construction in the interior.

Copy seen: DGS.

4792. FAIRCHILD SHIPBUILDING & ENGINEERING CO. LTD., Govan, Glasgow. *Rupertslund*. (Ship-builder and Marine engine-builder, Jan. 1949. v. 56, no. 481, p. 57, 69)

Notes on launching (p. 69) and (p. 57) on equipment, fittings, etc., of ship built for Hudson's Bay Co. service in Canadian Eastern Arctic.

Copy seen: DLC.

4793. FAKIDOV, I. G. Morskoi led. (Sovetskaiā Arktika, 1936, no. 11, p. 95-98, illus.) *Title tr.*: Sea ice.

Discussion, in popular style, of sea ice: its formation, structure, salinity, melting, physical and mechanical properties.

Copy seen: DLC.

4794. FALCK, KURT F. 1888- . Ren-skötsel i Alaska. (Ymer, 1913. Årg. 33, p. 381-84) *Title tr.*: Reindeer husbandry in Alaska.

Discussion of reindeer husbandry in Alaska, 1903-1913, based on J. L. Underwood's *Alaska, an empire in the making*, 1913, q.v.

Copy seen: DLC.

FALCON, N. L., *see* Watkins, H. G., & others. Cambridge Expedition to Edge Island. 1928.

FALCOZ, LOUIS, *see* Sjostedt, Y., & others. Entomologische Ergebnisse Kamchatka-Exped. 37. Abschluss. 1935.

4795. FALDERMANN, FRANZ GUSTAVOVICH, 1799-1838. Species novae Coleopterorum Mongoliae et Sibiriae incolarum. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', 1833. T. 6, p. 46-72, plates 2-3) *Title tr.*: New

species of Coleoptera from Mongolia and Siberia.

Contains descriptions and critical notes on nineteen beetles (Coleoptera) native to Mongolia and Siberia, including *Melandrya splendida* and *Diaperis riederii* from Kamchatka Peninsula.

Copy seen: MH-A.

FALKENBERG, JOHANNES, *see* Bidrag til Finnernes bygdehistorie og etnografi. 1934-44.

FALKENBERG, JOHANNES, *see also* Nordlands og Troms finner. 1943-45.

4796. FALL, HENRY CLINTON, 1862- . Family Carabidae. (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, pt. E. p. 14-16)

List, with locations, of sixteen species from the arctic coasts of Alaska and Northwest Territories.

Copy seen: DSI-M.

4797. FALL, HENRY CLINTON, 1862- . List of a small collection of Coleoptera from arctic Alaska. (Entomological news, May 1900. v. 11, p. 459-60)

Contains thirteen species of beetles from Cape Nome and Kowak River.

Copy seen: DSI-M.

4798. FARIKH, F. B. Moï polet v Dudinku. (In: Obshchestvo izucheniiā Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 296-300, illus., map) *Title tr.*: My flight to Dudinka.

Notes on the author's flight Krasnoyarsk-Dudinka in Jan. 1931, with sketch map of the route of the flight.

Copy seen: DLC.

FARIKH, F. B., *see also* Problemy Arktiki. Transsarkhticheskii perelet F. B. Farikha. 1937.

4799. FARIS, R. L. Distribution of the magnetic declination in Alaska and adjacent regions for 1910. (U. S. Coast and Geodetic Survey. Annual report, 1909. Appendix no. 4, p. 151-79, incl. tables, diagrs.)

Contains secular change of declination, and table of magnetic declinations for southeastern Alaska, Yakutat Bay to Sanak Islands, Aleutian Islands, Bering Sea and Arctic Ocean (Chukchi Sea) and Yukon River.

Illus.: Secular change of declination at Sitka, Kodiak, Dutch Harbor, and St. Michael. *Copy seen:* DN-HO.

4800. FARIS, R. L. Results of magnetic observations made by the Coast and Geodetic Survey between July 1, 1908, and June 30, 1909. (U. S. Coast and Geodetic Survey. Annual report, 1909. App. 3, p. 75-149, incl. tables)

Includes forty-six stations for Alaska, especially the southeastern section.

Copy seen: DN-HO.

4801. FARLEY, FRANK L. Birds observed at Churchill, Manitoba, spring and summer 1938. (Canadian field naturalist, Apr. 1940. v. 54, p. 52-53)

Seventy-six birds listed in the order of date of their appearance, May 29 to July 7, with notes (in brief) on migratory birds of the region.

Copy seen: DLC.

4802. FARLEY, FRANK L. Churchill, Manitoba, and its bird-life. (Canadian field naturalist, Nov. 1938. v. 52, p. 118-19)

General remarks on the region in June, and notes on five species newly recorded.

Copy seen: DLC.

4803. FARLEY, FRANK L. Further notes on the bird life of Churchill, Manitoba. (Canadian field naturalist, Apr. 1939. v. 53, p. 56-58)

Field notes on birds seen in May-June, 1938.

Copy seen: DLC.

4804. FARLOW, WILLIAM GILSON, 1844-1919. Algae, list of algae collected at points in Cumberland Sound during the autumn of 1877. (In: Kumlien, L., and others. Contributions to the natural history of arctic America. U. S. National Museum. Bulletin, 1879. No. 15, p. 169)

List of twenty-seven marine species, collected during the Howgate Polar Expedition, 1877-78.

Copy seen: DLC.

4805. FARLOW, WILLIAM GILSON, 1844-1919. Notes on arctic algae; based principally on collections made at Ungava Bay by Mr. L. M. Turner. (American Academy of Arts and Sciences. Proceedings, 1886. v. 21, (new ser. v. 13) p. 469-77)

Turner's collections were made in 1884, and are amplified by a few specimens collected by others from nearby localities, as a basis of this annotated list of thirty-nine species of red and brown algae.

Copy seen: DLC.

FARLOW, WILLIAM GILSON, 1844-1919, *see also* Gray, A. Plants (Pt. Barrow exped.) 1885.

4806. FARRAN, GEORGE P. *Bradyetes brevis*, a new species of copepod from East Greenland. (Annals and magazine of natural history, Aug. 1936. Ser. 10, v. 18, p. 238-41, illus.)

Full description of specimen from plankton haul at 72°55'N. off East Greenland.

Copy seen: DSI-M.

FARRAN, GEORGE P., *see also* Hardy, A. C., & others. Arctic plankton *Nauutilus* Exped. 1931. 1936.

4807. FARRAR, VICTOR JOHN, 1886-. The annexation of Russian America to the United States. Washington, D. C., W. F. Roberts Co. Inc., 1937. vii, [1], 142 p.

Account of the purchase of Alaska, and the circumstances leading to it; based on American and Russian documents, diaries, autobiographies and histories; with an extensive bibliography.

Copy seen: DLC; NNSf.

FARRELLY, THEODORE S. Aleutian stepping-stones. (Yale review, Dec. 1942. v. 32, p. 280-88)

Historical sketch of the islands as stepping-stones for early Russian occupation.

Copy seen: DLC; NNSf.

FASSIG, OLIVER S., *see* Fiala, A. Fighting polar ice. 1906.

4809. FAUNA ARCTICA; eine Zusammenstellung der arktischen Tierformen, mit besonderer Berücksichtigung des Spitzbergen-Gebietes, auf Grund der Ergebnisse der deutschen Expedition in das Nördliche Eismeer im Jahre 1898 . . . Jena, G. Fischer, 1900-1933. 6 v. illus., plates, tables, maps (2 fold.)
Editors: 1900-09, Fritz Römer and Fritz Schaudinn; 1910-33, August Brauer and Walther Arndt. *Title tr.:* Arctic fauna; a summary of the arctic faunal forms, especially of the Spitsbergen region, based on results of the German Expedition to the Arctic Ocean, 1898.

The expedition was a private undertaking by Römer and Schaudinn, in the steamer *Helgoland*, June-Sept. 1898, to carry out zoological research in the waters off Svalbard and along the Murman coast. These published results, based on the expedition collections and observations, and on previ-

ously published arctic literature, seek (1) to catalog all known arctic faunal forms, with literature references, (2) to compare the fauna within various arctic regions, in respect to the problem of circumpolarity, and (3) to compare arctic with antarctic forms.

Contents tr.: v. 1 (pub. 1900). RÖMER, F., and F. SCHAUDINN. Introduction, plan of work and narrative of the voyage. p. 3-84.

SCHULZE, F. E. Hexactinellida. p. 85-108.

THIELE, J. *Proncomenia thulensis* nov. spec. p. 109-116.

LINSTOW, O. v. Nematodes, p. 117-32.

LUDWIG, H. Arctic and subarctic holothurians. p. 133-78.

KÜKENTHAL, W. Whales of the Arctic. p. 179-234.

SCHÄFFER, C. Arctic and subarctic Collembola. p. 235-58.

GRIEG, J. A. Ophiurids of the Arctic. p. 259-86.

WELTNER, W. Cirripeds of the Arctic. p. 287-312.

DOFLEIN, F. Decapod crustaceans of arctic seas. p. 313-62.

LOHMANN, H. Appendicularia. p. 363-78.

MAY, W. Arctic, subarctic and subantarctic Alcyonacea. p. 379-408.

ZIMMER, C. Arctic Cumacea. p. 409-444.

LUDVIG, H. Arctic starfishes. p. 445-502.

BIDENKAP, O. Bryozoa. Pt. 1. Bryozoa of Spitsbergen and King Charles Land. p. 503-540.)

v. 2 (pub. 1901-02). UDE, H. Arctic Enchytraëidae and Lumbricidae, and their geographic distribution. p. 1-34.

MÖBIUS, K. Arctic and subarctic Pantopoda. p. 35-64.

EHRENBAUM, E. Fishes. p. 65-168.

RÖMER, F. Siphonophora. p. 169-84.

SCHAUDINN, F. Tardigrada. p. 185-96.

FAGENSTECHE, A. Arctic Lepidoptera. p. 197-400.

KIAER, H. Arctic Tenthredinidae. p. 401-438.

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MRAZEK, A. Arctic copepods. p. 499-528.

BREDDIN, G. Hemiptera and Siphunculata of arctic regions, p. 529-60.

v. 3 (pub. 1903-04). ZSCHOKKE, F. Arctic cestodes. p. 1-32.

ATTEMS, C. Myriopoda. p. 33-54.

BÜRGER, O. Nemertea. p. 55-64.

RÖMER, F. Ctenophora. p. 65-90.

HARTMEYER, R. Ascidiars of the Arctic. p. 91-412.

ZIMMER, C. Arctic schizopods. p. 413-92.

RICHTERS, F. Arctic Tardigrada. p. 493-508.

GRAN, H. H. Diatoms of arctic seas, I. p. 509-554.

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ODHNER, T. Trematodes of arctic regions. p. 289-372.

DÖDERLEIN, L. Arctic sea urchins. p. 373-94.

DÖDERLEIN, L. Arctic crinoids. p. 395-406.

MEISENHEIMER, J. Arctic pteropods. p. 407-430.

STRAND, E. Arctic Araneae, Opiliones and Chernetes. p. 431-78.

MAAS, O. Arctic Medusae (except Polypomedusae). p. 479-526.

WERNER, F. Farthest north reptiles and batrachians. p. 527-44.

v. 5 (pub. 1910-29). Brauer, A., Fritz Römer and Fritz Schaudinn. p. i-iii.

APSTEIN, C. The occurrence of salpas in arctic regions. p. 5-12.

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STUMMER-TRAUNFELS, R. v. Arctic myzostomes (etc.). p. 73-86.

KOWARZIK, R. The musk ox and its races (etc.). p. 87-126.

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RITTER-ZÁHONY, R. v. Chaetognaths. p. 249-88.

POPPIUS, B. Coleoptera of arctic regions. p. 289-447.

FISCHER, W. Sipunculida, Priapulida and Echiurida of the Arctic. p. 451-90.

DERFÜGIN, K. M. The relict lake Mogilnoye (Kildin Island in Barents Sea). p. 491-560.

THIELE, J. Arctic Loricata, Gastropoda, Schaphopoda and bivalves. p. 561-632.

STITZ, H. The Neuroptera of the arctic region. p. 633-38.

RAMME, WILLY. Orthoptera. p. 639-46.

AUGENER, H. The polychaetes of Spitsbergen p. 647-834.

RICHTER, W. The Thysanoptera of the arctic region. p. 835-50.

SPREHN, C. Pentastomida of the arctic region. p. 851-54.

STITZ, H., and W. RAMME. Supplement to the Neuroptera and Orthoptera sections. p. 855-56.

HENTSCHEL, E. The siliceous and horny sponges the Arctic Ocean. p. 857-1042.

BROCH, H. The Alcyonaria of the Arctic. p. 1043-52.

ULRICH, W. The most northern distribution of Strepsiptera (the Stylopids, or twisted-wing insects). p. 1053-60.

v. 6 (pub. 1931-33). VIETS, K. Hydracarina of Fauna arctica. p. 1-8.

MEYER, A. Acanthocephala of the arctic region. p. 9-20.

MÜLLER, G. W. Ostracoda of the arctic region. p. 21-32.

ARNDT, W. Fresh-water sponges. p. 33-40.

UDE, H. Oligochaeta of the Arctic and their geographic distribution. 2. p. 41-54.

SCHULZE, P. Hydridae. p. 55-58.

ARNDT, W. Copeognatha. p. 59-66.

POHLE, H. Mammals. p. 67-80.

KRUMBACH, T. Kamptozoa and Branchiostoma. p. 81-92.

REMANE, A. Rotatoria, Gastrotricha, Kinorhyncha and Archiannelida. p. 93-114.

JORDAN, K. The fleas known from the Arctic. p. 115-18.

THIEL, M. E. Summary of arctic Hydromedusae. p. 119-58.

STEINER, G. Arctic Mermithidae, Gordiidae, and Nectonematoidea. p. 159-74.

MAY, E. Odonata. p. 175-82.

LINDER, F. Branchiopoda. p. 183-204.

SCHELLENBERG, A. Leptostraca. p. 205-206.

ULMER, G. Trichoptera, Ephemeroptera, and Plecoptera. p. 207-226.

WIEDEMANN, E. Leeches. p. 227-34.

BREITFUS, L. L. Calcareous sponges. p. 235-52.

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PAX, F. Antipatharia and Madreporaria. p. 267-80.

ZUNCKER, M. Mallophaga. p. 281-94.

STEINBÖCK, O. Turbellaria. p. 295-342.

STEPHENSEN, K. Tanaidacea and Amphipoda. p. 343-78.

THIELE, J. Solenogastres. p. 379-82.

ABRIKOSOV, G. Bryozoa, Pt. 2. p. 383-88.

ÖKLAND, F. Thysanura, Entognatha and Protura. p. 389-90.

GURANOVA, E. Marine Isopoda. p. 391-470.

BIRSTEIN, J. Land and fresh water Isopoda. p. 471-76.

ARNDT, W., and GRIEG, J. A. Brachiopoda. p. 477-88.

GRIMPE, G. Cephalopoda. p. 489-514.

BORG, F. Bryozoa, Pt. 3. p. 515-51.

Each of these papers appears in this Bibliography under its author's name.

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4810. FAUNA SSSR. Ptitsy. T.1, vyp. 4-5. Moskva-Leningrad, Akademiia nauk, 1937-1941. 2 v. (Akademiia nauk SSSR. Zoologicheskii institut. Novaya ser., no. 30, 14) Title tr.: Fauna of the U.S.S.R. Birds. v. 1, no. 4-5.

Prepared under direction of the Academy of Sciences' editor, S. A. Zernov. No. 4, edited by D. A. Ogloblin; no. 5, edited by A. A. Shtakel'berg.

Contents tr.: no. 4 (pub. 1941). TUGARINOV, A. Ia. Anseriformes.

no. 5 (pub. 1937). SHTEGMAN, B. K. Falconiformes.

Each number appears in this Bibliography under its author's name.

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4811. FAUSEK, VIKTOR ANDREEVICH. Materialy k voprosu ob otrit'satel'nom dvizhenii berega v Belom mor'e i na Murmanskom beregu. Sanktpeterburg, 1891. 89 p. (Vsesoiuznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii. T. 25, no. 1) Title tr.: Materials on the subject of the negative movement of the shore of the White Sea and of the Murmansk coast.

Results of author's observations made during trips on government and regular steamers in 1888-89. The evidence consists of paleogeographic data (with brief lists of postglacial fossils), descriptions of "ancient coasts" including Kil'din Island and its Lake Mogil'-

noye, and examination of contemporary evidence. Bibliographical footnotes (about 25 items). *Copy seen:* DLC.

4812. FAUSEK, VIKTOR ANDREEVICH. Zoologicheskaya ékspursiia na Bielom morie lietom 1889. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1891. T. 22, vyp. 1, p. 2-4) *Title tr.:* Zoological excursion to the White Sea in the summer of 1889.

Contains a report on the exploring trip made by the author in summer 1889, to Lake Onega, and Kandalaksha Bay of the White Sea, with notes on more interesting species of ascidians, molluscs, coelenterates and other marine animals. *Copy seen:* MH-Z.

4813. FAUSTINI, ARNALDO, 1874- . I giacimenti di combustibili fossili nella regione artica. (Societa Geografica Italiana. (Bolletino, Ott. 1907. Ser. 4, v. 8 (v. 44) p. 983-1005) *Title tr.:* Coal deposits of the arctic regions.

Contains brief discussion of the distribution of Carboniferous deposits, the locations of deposits as then known, their economic importance, and exploitation. Includes mention of West Spitsbergen, West Greenland and the Canadian Arctic Islands.

Copy seen: DLC.

4814. FAUVEL, PIERRE LOUIS ANDRÉ, 1866- . Annélides polychètes. Bruxelles, 1911. 3 p. l., 45, iv p., 1 l. plate, map. (Orléans, Louis Philippe Robert, *Duc d'*. Campagne arctique de 1907. No. 9) *Title etc. tr.:* Polychaetous annelids. (Duke of Orléans Arctic Expedition, 1907)

Contains discussion and an annotated, systematic list, with synonyms, references, and localities, of the fifty-two (including with description, one new) species of polychaete worms collected from the *Belgica* 1907, in the Barents and Kara Seas, near Novaya Zemlya; with a bibliography (84 items).

Copy seen: DSI-M.

4815. FAUVEL, PIERRE LOUIS ANDRÉ, 1866- . Annélides polychètes de l'Expedition de l'Université d'Oxford au Spitzberg en 1921. Results of the Oxford University Expedition to Spitsbergen. No. 7. (Annals and magazine of natural history, Apr. 1922. Ser. 9, v. 9, p. 449-54) Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 25.

List, with descriptive notes, of twenty-four species of polychaete worms from Klaas Billen Bay, West Spitsbergen. *Copy seen:* DSI-M.

4816. FAUVEL, PIERRE LOUIS ANDRÉ, 1866- . Deuxième note préliminaire sur les polychètes provenant des campagnes de l'*Hirondelle* et de la *Princesse-Alice*, ou déposées dans le Musée Océanographique de Monaco. [Monaco, 1909] 76 p. (Institut océanographique, Monaco. Bulletin no. 142) *Title tr.:* Second preliminary note on the polychaetes resulting from the cruises of the *Hirondelle* and *Princesse-Alice*, or deposited in the Oceanographic Museum, Monaco.

Contains (among others) records and some descriptions of twenty-four species of annelid worms from Svalbard waters, collected (probably) in 1898.

Copy seen: DF.

4817. FAUVEL, PIERRE LOUIS ANDRÉ, 1866- . Première note préliminaire sur les polychètes provenant des campagnes de l'*Hirondelle* et de la *Princesse-Alice*, ou déposées dans le Musée Océanographique de Monaco. [Monaco, 1907] 34 p. (Institut océanographique, Monaco. Bulletin no. 107) *Title tr.:* First preliminary note on the polychaetes resulting from the cruises of the *Hirondelle* and *Princesse-Alice*, or deposited in the Oceanographic Museum, Monaco.

Results of cruises of these two yachts of the Prince of Monaco in many waters, over a period of several years, including the arctic voyages of the *Princesse Alice*, 1898, 1906-07, the author gives descriptions and discussion of distribution of eighteen species of annelid worms from Svalbard waters and Greenland Sea.

Copy seen: DF.

FAUVEL, PIERRE LOUIS ANDRÉ, 1866- , see also Augener, H. Ergänzung z. d. Polychaeten *Fauna arctica*. 1929.

4818. FEATHER, A. G. The king of mysteries; or, The world's wonderland. A thrilling narrative of the many efforts and attempts to pierce through and unravel the dark shroud of unfathomable mystery enveloping the icy regions of the Arctic Circle. Philadelphia, J. E. Potter & Co., [c1891] 718 p. incl. plates (part col.) port. col.

front. (group of ports.) illus., plates (part col.) ports., maps (1 fold.)

Also published, without change of text, as: "Thrilling tales of the frozen North. A graphic account of the heroic efforts of intrepid and daring travelers and explorers in the lands of the midnight sun . . . by Capt. William H. Wharton [pseud.] Philadelphia [etc.] J. E. Potter & Co. 1894.

History of arctic explorations from the time of the Norsemen to the U. S. Lady Franklin Bay Expedition, 1881-84. **Copy seen:** DLC; NNSf.

4819. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . Yakutskaiâ flora. Chast' I. (Akademiâ nauk SSSR. Botanicheskii muzei. Trudy, 1907. Vyp. 3, p. 126-46) **Title tr.:** Flora of Yakutia. Part I. This is the only part published.

Contains a systematic enumeration of one hundred thirty species, based on collections of various botanists and collectors and including many native to arctic regions. **Copy seen:** NNBG.

4820. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- , and others. Illüstrirovannyi opredelitel' rastenii Sibiri. S. Peterburg, Tip. Gerol'd, 1909. 2 vyp. vyp. 1: p. 1-61, plates 1-5, illus.; vyp. 2: p. 59-86, plate 6, illus. **Title tr.:** Illustrated guide for the determination of the plants of Siberia.

Contains vyp. 1. Fedchenko, B. A., and A. F. Fierov, *Pteridophytes*. vyp. 2. Dokurovskii, V. S., *Golosiemennyya (Gymnospermae)*. Both parts contain some arctic species. Apparently no further parts have been published.

Copy seen: MH-A.

4821. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . Novyi vid Astragala s poluostrova Kanina. (Leningrad, Glavnyi botanicheskii sad. Trudy, 1929. T. 41, vyp. 1, p. 119-20) **Title tr.:** A new species of *Astragalus* from the Kanin Peninsula.

Contains Latin diagnosis of *Astragalus grigorjewi*, a new species of herbs of the pea family, collected by Prof. S. G. Grigor'ev in the Kanin Peninsula.

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4822. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . Obzür vidov roda *Hedysarum*. (Leningrad. Glavnyi botanicheskii sad. Trudy, 1902. T. 19, vyp. 3, p. 183-342) **Title tr.:** Revision of the species of *Hedysarum*.

Contains a monographic treatment of *Hedysarum*, a large genus of herbs of the pea family; with a sketch of the history of systematics, morphological survey, keys, Latin descriptions of seventy-eight species, including some representative of the arctic regions of the U.S.S.R., Alaska and Canada; critical notes and detailed data on geographical distribution. Appended is a list of more than four hundred excluded species. **Copy seen:** MH-A.

4823. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . *Oxytropis Mertensiana* Turcz.—novost' dlia flory Evropy. (Akademiâ nauk SSSR. Botanicheskii institut imeni V. L. Komarova. Botanicheskie materialy gerbariâ, 1946. T. 9, vyp. 4-12, p. 197-98) **Title tr.:** *Oxytropis Mertensiana* Turcz.—A novelty for the flora of Europe.

Contains critical notes on this species and data on its distribution in Europe, Asia and America.

Copy seen: MH-A.

4824. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . Uspekhi sovetskoi floristiki (1917-1937 gg.) (Sovetskaiâ botanika, 1937. No. 5, p. 9-31) **Title tr.:** Attainments of Soviet floristics (1917-1937).

Contains an historical sketch of the progress of floristics in the U.S.S.R. for twenty years (1917-37), including data on the expeditions exploring the arctic regions of European U.S.S.R., p. 9, Siberia, p. 22-24, and Kamchatka, p. 25.

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4825. FEDCHENKO, BORIS ALEKS-EEVICH, 1873- . Zametki po sistematike i geografii bobovykh. (In: Akademiâ nauk SSSR. Prezidentu Akademii nauk, 1939, p. 733-49) **Title tr.:** Notes on systematics and geography of the bean family [Fabaceae].

Contains a critical revision of sixteen species (five new) of the bean family (Fabaceae), including a Latin diagnosis of *Hedysarum arcticum* n. sp., native to Novaya Zemlya, Vaygach Island and arctic regions of Siberia.

Copy seen: MH-A.

4826. FEDCHENKO, K. K. Zemnye toki i ikh svâz' s zemnym magnetizmom. (Problemy Arktiki, 1939, no. 9, p. 55-61, diagrs.) **Title tr.:** Earth currents and their relation to terrestrial magnetism.

Method used and results obtained in investigating earth currents at the polar station of Cape Vykhnodnoy, 15 km. east of the Matochkin Shar Magnetic Observatory, Jan.-July, 1938.

Copy seen: DLC.

4827. FEDERAL WRITERS' PROJECT. A guide to Alaska, last American frontier. New York, Macmillan Co. 1939. lxx, 427 p. illus., plates, maps (part fold., 1 in pocket), maps on lining-papers. (American guide series) By Merle Colby.

Contents: Preliminary information (useful for travelers). Popular errors about Alaska. Six Alaskas (brief regional breakdown). Tours for "round-trippers" (distances, airlines, hotels, etc.)

Pt. 1. The great land. History, people, government, natural wealth (resources), commerce, transportation, communication, national defense.

Pt. 2. The last frontier (ten regional studies). Bibliography (97 items) and an index.

Copy seen: DLC; NNStef.

4828. FEDIN, A. I. Ovoshchevodstvo na Kraĭnem Severe. (Sovetskaiā Arktika, 1936, no. 3, p. 106-107) *Title tr.:* Vegetable growing in the far North.

Results of work at the Rodchevsk Agricultural Experimental Station (middle-Kolyma region) in 1932-35.

Copy seen: DLC.

4829. FEDIN, A. KH. A new genus of fossil conifers *Papaninia involucrata* Fedin. (Akademiā nauk SSSR. Comptes rendus (Doklady), 1943. Nouv. ser., v. 41, p. 351-53)

Detailed description and taxonomic discussion of a specimen found on Franz Josef Land, 1934.

Copy seen: DLC.

4830. FEDOROV, ALEKSANDR FEDOROVICH, 1872- . and ANDREI FEDOROV. K voprosu o reliktovom kharaktere arkto-al'piiskikh i stepnykh rastenii pinezhskoi flory. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1929. T. 59, vyp. 3, p. 55-102, illus., 3 plates) *Title tr.:* On the problem of the relict character of arctic-alpine and steppe plants in the flora of Pinega region.

Contains a geobotanical survey of the Pinega, Northern Dvina and Kuloy River region, an enumeration of forty-

three alpine, arctic and steppe plants, considered by the author as relict of the earlier tundra-steppe zone; with data on distribution in arctic regions of European U.S.S.R., two synoptical tables of relict plants with their occurrence in various natural geobotanical zones and a bibliography (46 items). Summary in German.

Copy seen: DLC.

FEDOROV, ANDREI, see Fedorov, A. F., & A. Fedorov. K voprosu o reliktovom kharaktere pinezhskoi flory. 1929.

4831. FEDOROV, E. E. Tipy pogody v ikh povtoriaemostiakh dlā maia, iūliā, noiābrīa i iānvārīa nekotorykh mest Kol'skogo poluoostrova. Leningrad, 1932. 73 p. (Akademiā nauk SSSR. Geomorfologicheskii institut. Trudy. Vyp. 5) *Title tr.:* Weather types and their frequencies in some Kola Peninsular localities for May, July, November and January.

Author's attempt to characterize the climatological conditions of the little investigated sections of this region, by indicating their "types", a schematic presentation of data from observations. Summary in English.

Copy seen: DLC.

4832. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Astronomicheskie opredeleniā. (Ekspeditīiā SSSR na Severnyi poliūs, 1937. Trudy Dreifuishchei stantsii "Severnyi poliūs", 1940. T. 1, p. 209-334, illus., plates, mounted port., tables, diagrs., fold. map) *Title tr.:* Astronomical determinations.

A description (by the geodesist of the party) of conditions and work methods used by the ice-floe Drifting Station "North Pole" of the U.S.S.R. Expedition to the North Pole, 1937, with tables and diagrams of points for which coordinates were established during the drift in Arctic Basin and Greenland Sea. Fold. map at end of volume shows daily locations of the Drifting Station.

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4833. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Astronomicheskie opredeleniā 1933 goda na Zemle Frantsīa-Iosifa. (Arctica, 1934. No. 2, p. 89-95, illus. (maps)) *Title tr.:* Astronomical determinations 1933 on Franz-Joseph Land.

Report on topographical and geodetic observations made by the author for the Arctic Institute, U.S.S.R. during the winter 1932-33, including determination of coordinates of five points, and correction of errors in previous mapping of some islands in this archipelago. Summary in English.

Copy seen: DLC.

4834. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Magnitnye opredeleniia 1932-1933 goda na Zemle Frantsa-Iosifa. (Arctica, 1935. No. 3, p. 89-106, illus.) *Title tr.:* Magnetic determinations carried out on Franz-Joseph Land in 1932-33.

An account of geomagnetic observations made by the author during his wintering in Franz Josef Land, 1932-33; with descriptions of methods and tables of results from twenty-seven stations. Summary in English.

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4835. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Magnitnye opredeleniia 1935 goda na Taimyrskom poluostrove. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 97, p. 63-76, map, tables) *Title tr.:* Magnetic observations in Taimyr Peninsula, 1935.

A study based on forty-one determinations taken by the author. Summary in English.

Copy seen: DLC.

4836. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Meteorologicheskie pribory i nabludeniia. (Ekspeditiia SSSR na Severnyi polius, 1937. Trudy Dreifuishchei stantsii "Severnyi polius" 1941-45. T. 2, p. 5-30, illus., plates, diagrs.) *Title tr.:* Meteorological instruments and observations.

The instrumentation, calibration and schematic plans of station arrangements previous to and during the Expedition to the North Pole, 1937, are discussed. A chronology of changing conditions of ice and snow on the drifting ice-floe is recorded.

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4837. FEDOROV, EVGENII KONSTANTINOVICH, 1910- . Predvaritelnye rezultaty magnitnykh izmerenii na stantsii "Severnyi polius". (Problemy Arktiki, 1938, no. 1, p. 152-54) *Title tr.:* Preliminary results of magnetic

measurements on the station "North Pole".

Data on magnetic measurements taken for twenty-seven locations of the ice-floe Drifting Station established by the Expedition U.S.S.R. to the North Pole 1937.

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4838. FEDOROV, EVGENII KONSTANTINOVICH, 1910- , and P. P. SHIRSHOV. Nauchnye raboty dreifuishchei zimovki. (Meteorologiya i gidrologiya, 1937. No. 6, p. 41-45) *Title tr.:* The scientific work of the drifting expedition.

A discussion of the work plans, methods and equipment of the projected drifting expedition (the future ice-floe Drifting Station "North Pole", 1937-38) organized in connection with the U.S.S.R. Expedition to the North Pole, 1937.

Copy seen: DLC.

FEDOROV, EVGENII KONSTANTINOVICH, 1910- , see also Papanin, I. D., & others. Deviat' mesiatsev na Dreifuishchei stantsii. 1938.

FEDOROV, EVGENII KONSTANTINOVICH, 1910- , see also Shirshov, P. P., & E. K. Fedorov. O nauchnykh rabotakh Dreifuishchei stantsii. 1938.

FEDOROV, EVGENII KONSTANTINOVICH, 1910- , see also Shirshov, P. P., & E. K. Fedorov. Poliarnaiia stantsiia Severnogo poliusa. 1937.

4839. FEDOROV, EVGRAF STEPANOVICH, 1853- . Zametka o nefelinovykh porodakh s B'elago moria. (Akademiia nauk SSSR. Bulletin, juin et sept. 1905. Sér. 5, T. 23, p. 149-52) *Title tr.:* Note on the nephelinic rocks from the White Sea.

Results of chemical analysis of specimens from the Tur'inskiy Peninsula on the southern coast of Kola Peninsula.

Copy seen: DLC.

4840. FEDOROV, N. S. K kharakteristike klimata Krasnoarskogo okruga Sibkraia. Krasnoarsk, 1928. 36 p. tables. (Vsesoiuznoe geograficheskoe obshchestvo. Sredne-Sibirskii otel. T. 3, vyp. 3) *Title tr.:* Notes on the climate of Krasnoyarsk Province in Siberia.

Climatic conditions, chiefly those of average and extreme values of the temperature and precipitation, are based on the observational data of thirty-three stations of which eight are lo-

cated north of the 62nd parallel. Also analysed in *Meteorological abstracts and bibliography*, Mar. 1950. v. 1, no. 3, p. 167. *Copy seen:* NNA.

4841. FEDOROV, V. P. Meteorologicheskie i gidrometricheskie nablūdeniia 1933 goda v raione gory Narodnoi. (*In:* Ural; pripolnariye raiony, 1935, p. 38-55, diagrs. tables) *Title tr.:* Meteorological and hydrometrical observations in the areas of Mt. Narodnaya, 1933.

Contains daily meteorological observations at the Ural Glacier Expedition station (about 65°N. 60°15'E. and 760 meters above sea level) at 07, 13 and 21 hours, and hourly registerings of air temperature and humidity during the period July 18-Sept. 17, 1933. Depth, discharge and temperature measurements of the waters of the Naroda River are charted. Summary in English, p. 295. *Copy seen:* DLC.

4842. FEDOROVA, O. A. Opredelenie kolichestva podderzhivaushchego korma pri podkormke severnykh olenei azotistymi kormami. (Leningrad. Nauchno-issledovatel'skii institut polnarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1940. Vyp. 14, p. 47-85, tables) *Title tr.:* Determination of quantity of sustaining fodder with a nitrogen-content needed in the supplementary feeding of reindeer.

Copy seen: DLC.

4843. FEDOROVA, O. A., and N. P. PANCHENKO. Vliianie podkormki severnykh olenei mineral'nymi soliami na ispol'zovanie imi iagel'no-sennogo ratsiona pri podderzhivaushchem kormlenii. (Leningrad. Nauchno-issledovatel'skii institut polnarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1940. Vyp. 14, p. 87-106) *Title tr.:* The influence of supplementary fodder containing mineral salts on the consumption of Iceland moss hay in the supplementary feeding of reindeer.

Copy seen: DLC.

4844. FEDOROVA, P. V., and I. E. BELOKOPYTOV. Torf na Kaninskom poluostrove. (Gosudarstvennyi okeanograficheskii institut. Trudy. Moskva, 1934. T. 4, vyp. 2, p. 39-42, diagr.) *Title tr.:* Peat on Kanin Peninsula.

Results of investigations by the Ex-

pedition of the State Institute of Oceanography in 1930, and laboratory analyses by the All-Union Institute of Peat. Discussion of meteorological conditions of the peninsula unfavorable for obtaining peat. Diagram shows heat value, ash content, and degree of decomposition of Kanin peat.

Copy seen: NN.

4845. FEDOROVICH, A. Lechenie tsyngi loshadinoi syvorotkoī. (Klinicheskaiia meditsina, 1935. T. 13, vyp. 10, p. 1557-59) *Title tr.:* Treatment of scurvy by horse serum.

Analysis of a new treatment of scurvy in its various stages, studied by the author for five years and tested on 42 patients. *Copy seen:* NNN.

4846. FEDORTSEV, V. A. Geologiia i poleznye iskopaemye fano-indigirskogo vodorazdela. (*In:* U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologiia i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2, Poleznye iskopaemye, p. 244-67, fold. map) *Title tr.:* Geology and mineral resources of Yana-Indigirka watershed.

Contains data on (1) orography; (2) stratigraphy; (3) tectonics; (4) metallogenetic features; (5) mineral resources; (6) prospects of the region. Bibliography (18 items).

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4847. FEDORTSEV, V. A. Geologiia Verkhofianskogo khrebt. (*In:* U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologiia i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2, Poleznye iskopaemye, p. 196-211) *Title tr.:* Geology of the Verkhoyansk Range.

Report on recent geological investigations of the region: geological sketch, data on orography, tectonics, and igneous rock.

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4848. FEDORTSEV, V. A. Kigilakhki. (Problemy Arktiki, 1938, no. 1, p. 5-12, illus., map, diagrs.) *Title tr.:* "Kigilakhki".

A description of craggy rock ledges projecting above flat-topped mountains or plateaus in several regions of Yakutia.

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4849. FEDORTSEV, V. A. Novosti iz fano-indigirskogo kraia. (Vsesoiuznoe

geograficheskoe obshchestvo. Izvestiia, 1935. T. 67, vyp. 5, p. 588-98, map) *Title tr.:* News from the Yana-Indigirka region.

A geomorphological description of the little-known mountain ranges in the Yana and Indigirka River region, based on observations made during a journey in 1933. *Copy seen:* DLC.

4850. FEDORTSEV, V. A. O sledakh drevnego gornogo rel'efa v Indigirskom krae. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1939. T. 71, vyp. 9, p. 1334-38, diagrs.) *Title tr.:* Traces of an ancient mountain relief in the Indigirka region.

Description and discussion of the geological formation at the mouth of the Indigirka River.

Copy seen: DLC.

4851. FEDORTSEV, V. A. O vechnoi merzlotе i naleidiakh v severovostochnoi Iakutii. (Akademiia nauk SSSR. Komissii po izucheniiu vechnoi merzloty. Trudy, 1937. T. 5, p. 93-104) *Title tr.:* Permafrost and naled' in northeastern Yakutia.

Contains results of observations during geological investigations of the state of permafrost in the area north of the Aldan River and east of Lena. Temperature tables of the ground, obtained in two shafts and a deep pit are given. The second part of the work deals with the occurrence of naled' (both ground and river types), elevation as a factor in their formation, conditions of their formation, and a detailed description of one very large naled'.

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4852. FEDORTSEV, V. A. Rel'ef nizovii Indigirki. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1938. T. 70, vyp. 4-5, p. 549-58, map) *Title tr.:* The relief of the lower Indigirka River.

Geomorphological description of the mountainous region of the lower Indigirka basin, based on the author's explorations of the Polousnyy (69°43'N. 144°20'E.) and Momskiy (65°36'N. 147°16'E.) Ranges, Alazeyskoye Plateau (69°N. 149°E.), Abyiskaya (68°N. 145°E.) coastal lowlands, and adjacent regions. Includes data on the Indigirka river system, its main and secondary tributaries. Bibliography (8 items).

Copy seen: DLC.

4853. FEDORTSEV, V. A. Ugol'nye mestorozhdeniia Verkhofianskogo khrebita. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologiia i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2, Poleznye iskopaemye, p. 239-43, tables, map) *Title tr.:* Coal deposits in Verkhoyansk Range.

Report on two main coal deposits of the region: Sangarskoye and Aldanskoye; tables show the results of analysis of test specimens.

Copy seen: DLC.

4854. FEDOSOV, A. E. Fazovyi sostav merzlykh gruntov. (Akademiia nauk SSSR. Iakutskaiia nauchno-issledovatel'skaia merzlotnaia stantsiia. Issledovanie vechnoi merzloty v Iakutskoi Respublike, 1942. Vyp. 1, Iakutsk, p. 18-43, diagrs.) *Title tr.:* Phase composition of permafrost grounds.

A field and experimental laboratory study of various strata within the permanently frozen ground, their reaction to temperatures and influence of various factors on the processes of deformation.

Copy seen: DLC.

4855. FEDOSOV, A. E. Prognoz osadkov sooruzhenii na ottavafushchei merzlotе. (Akademiia nauk SSSR. Iakutskaiia nauchno-issledovatel'skaia merzlotnaia stantsiia. Issledovanie vechnoi merzloty v Iakutskoi Respublike, 1942. Vyp. 1, Iakutsk, p. 52-85, diagrs.) *Title tr.:* Prognosis of the settling of buildings on thawing permanently frozen ground.

Discussion of foundations built in a permafrost region: methods of calculating the settling caused by pressure, thawing, moisture, etc.; with instructions for determining the settling by means of special apparatus.

Copy seen: DLC.

4856. FEDOSOV, A. E. Prognoz osadkov sooruzhenii pri ottaivanii gruntov osnovanii. (Akademiia nauk SSSR. Institut merzlotovedeniia, Trudy, 1944. T. 4, p. 93-124, illus.) *Title tr.:* The prognosis of the settling of buildings caused by thawing of the ground under their foundations.

Contains important data on methods of calculating possible settling of foundations of buildings on permanently frozen ground. Causes of settling are

discussed and methods of determining this settling for various types of ground under pressure by means of specially devised apparatus.

Copy seen: DLC.

4857. FEDOTOV, D. M. K anatomii *Gorgonocephalus eucnemis* M. & Tr. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1915. T. 46, vyp. 1, p. 65-88, illus.) *Title tr.:* On the anatomy of *Gorgonocephalus eucnemis* M. & Tr.

Contains an anatomical study of a species of brittle star, *Gorgonocephalus eucnemis*, based on material collected by the author in Kola Bay, at the Murmansk Biological Station, during the summers of 1912 and 1914; bibliography (23 items). Summary in English.

Copy seen: DLC.

4858. FEDULOV, B. A. Kedr na Solovetskoi ostrove. (Solovetskoe obshchestvo kraevedeniia. Materialy, 1927. Vyp. 8, Iz rabot po prikladnoi botanike, p. 7-13, plate) *Title tr.:* Cedar on Solovetskiy Island.

Contains data on cedar (*Pinus cembra*, var. *sibirica*), a rare tree for Solovetskiy Islands, with dendrological and phenological notes.

Copy seen: NNA.

4859. FEDULOV, P. E. K voprosu ob organizatsii magnitnykh rabot v Arktike. (Severnyi morskoi put', 1935, No. 3, p. 75-80) *Title tr.:* On the question of the organization of magnetic work in the arctic regions.

General discussion of the need for reorganization of magnetic research in U.S.S.R., problems of training personnel and changes suggested for future work programs. Summary in English.

Copy seen: DLC.

4860. FEDULOV, P. E. Magnitnye nabludeniia v ekspeditsii "Sedova" v 1934 godu. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 83, p. 21-33, 2 illus.) *Title tr.:* Magnetic observations taken by the *Sedov* expedition, 1934.

Report on magnetic observations on Kara Sea taken from fourteen points on land and ice.

Copy seen: DLC.

4861. FEDULOV, P. E. O postanovke magnitnoi informatzii v Arktike. (Severnyi morskoi put', 1937. No. 8, p. 72-76, diagr.) *Title tr.:* On the magnetic information in the Arctic.

Discussion of the necessity of unified information service on magnetic conditions and some features of the preliminary code offered by a commission of the Hydrographic Office of the Chief Administration of the Northern Sea Route.

Copy seen: DLC.

4862. FEDULOV, P. E. Opredelenie elementov zemnogo magnetizma na dreifuushchikh l'dakh. (Severnyi morskoi put', 1937. No. 6, p. 7-11) *Title tr.:* Determination of elements of terrestrial magnetism on the drifting ice.

Discussion of experience, instruments, and possibilities of deriving data from drifting ice.

Copy seen: DLC.

FEILBERG, HENNING FREDERIK, 1831-, see Thalbitzer, W. C., & H. Thuren. Dans i Grønland. 1911.

4863. FEILDEN, HENRY WEMYSS, 1838-1921. Arctic molluscan fauna. (Zoologist, Oct. 1877. Ser. 3, v. 1, p. 435-40)

A reply to remarks on the small number of shells brought back by the British Arctic Expedition, 1875-76, from waters north of Smith Sound. The author, naturalist to the expedition, discusses the collection of other voyages and the probable distribution of Mollusca from Davis Strait to the polar sea.

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4864. FEILDEN, HENRY WEMYSS, 1838-1921. The flowering plants of Novaya Zemlya. (Journal of botany, 1898. v. 36, p. 388-96, 418-36, 468-74)

Contains the botanical results of the author's two visits to Novaya Zemlya and adjacent regions (Vaygach and Dolgiy Islands) during the summers of 1895-96, with a list of one hundred sixty-eight flowering plants with localities and another systematic list of one hundred ninety-five phanerogams and four vascular cryptogams with their zonal distribution from 69° to 77°N.

Copy seen: MH-A.

4865. FEILDEN, HENRY WEMYSS, 1838-1921. List of birds observed in Smith Sound and in the Polar Basin during the Arctic Expedition of 1875-76. (Ibis, Oct. 1877. Ser. 4, v. 1, p. 401-412)

Results of observations and collections made by Nares' British Arctic Expedition between 78° and 83°N. An annotated list of twenty-four species

of birds. Condensed version appears as Appendix no. 3, in Sir G. S. Nares, *Narrative of a voyage to the polar sea during 1875-6*, etc., pub. 1878, q.v.

Copy seen: DSI-M.

4866. FEILDEN, HENRY WEMYSS, 1838-1921. Notes on the birds. (*In:* Markham, Sir A. H. A polar reconnaissance 1879, pub. 1881. Appendix B. p. 333-39)

Annotated list of twenty-six species from Barents Sea and Novaya Zemlya, with complete list (as then known) for Novaya Zemlya and Vaygach.

Copy seen: DLC; NNSStef.

4867. FEILDEN, HENRY WEMYSS, 1838-1921. On the Mammalia of North Greenland and Grinnell Land (Zoologist, Aug.-Sept. 1877. Ser. 3, v. 1, p. 313-21, 353-61)

Observations of the naturalist of the British Arctic Expedition, 1875-76, made while the *Alert* and *Discovery* were frozen in, in the waters of north-east Ellesmere Island. Notes on the appearance, occurrence and habits of fourteen species, including the Polar Eskimo, polar bear, fox, hare, the lemming, musk ox, reindeer, two seals, walrus and two whales. Extended version appears as Appendix no. 2, in Sir G. S. Nares, *Narrative of a voyage to the polar sea during 1875-6*, etc., pub. 1878, q.v.

Copy seen: DSI-M.

4868. FEILDEN, HENRY WEMYSS, 1838-1921. On the zoology of Captain Markham's voyage to Hudson's Bay in the summer of 1886. (Norfolk and Norwich Naturalists' Society. Transactions, 1887. v. 4, p. 344-53)

Based on A. H. Markham's journal of the cruise of the Canadian ship *Alert*. Notes on the localities where observations were made (Big and Digges Islands in Hudson Strait, Churchill, and York Factory); and annotated lists, with localities, of six mammals from the islands, six mammals from the Strait, thirty-eight species of birds from the islands and York Factory, and three fish species.

Copy seen: DGS.

4869. FEILDEN, HENRY WEMYSS, 1838-1921. Some remarks on interglacial epochs, in reference to fauna and flora existing at the present day in the northern hemisphere between the parallels of 81° and 83°N. (Royal Dublin

Society. Scientific proceedings, Oct. 1878. New Ser., v. 2, p. 42-44)

Based on the author's observations in Grinnell Land during the British Arctic Expedition, 1875-76. Discussion of the sharp difference between Ellesmere Island and North Greenland, in regard to glaciation and fauna and flora, indicating that temperature alone, cannot account for the difference, but rather the amount of moisture in the atmosphere and the land-mass as a condenser.

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4870. FEILDEN, HENRY WEMYSS, 1838-1921. Some remarks on the natural history of Franz-Josef Land. (Norfolk & Norwich Naturalists' Society. Transactions, 1880-81, pub. 1881. v. 3, p. 201-211)

Paper read before the Society Dec. 1880, containing general remarks on the history of exploration, the geology, vegetation, mammals and birds of Franz Josef Land.

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4871. FEILDEN, HENRY WEMYSS, 1838-1921. A sub-aequeous moraine. (Glaciologists' magazine, Aug. 1894. v. 2, p. 1-5)

Description of the Green Harbour Glacier moraine, visited by the author in 1894.

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4872. FEILDEN, HENRY WEMYSS, 1838-1921, and C. E. DRANCE. Geology of the coasts of the arctic lands visited by the late British expedition under Captain Sir George Nares. (Geological Society of London. Quarterly journal, Aug. 1878. v. 34, p. 556-67, map)

A discussion of the age of the rocks and of the glacial geology along the shores of Ellesmere Island, from Smith Sound northward, and around to Challenger Mountains.

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4873. FEILDEN, HENRY WEMYSS, 1838-1921, and J. G. JEFFREYS. The Post-Tertiary beds of Grinnell Land and North Greenland. (Annals and magazine of natural history, Dec. 1877. Ser. 4, v. 20, p. 483-94)

Supplementary remarks to J. G. Jeffreys' paper *The Post-Tertiary fossils*, 1877, q.v.; Feilden here notes the structure and extent of the recent deposits, and the mammalian and other remains found in them; and Jeffreys lists fifteen additional fossil molluscs, and four recent species, another coral and another algae, from the British Arctic Expedition, 1875-76.

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4874. FEILDEN, HENRY WEMYSS, 1838-1921, and T. G. BONNEY. Notes on the glacial geology of arctic Europe and its islands. Part I.: Kolguev Island. (Geological Society of London. Quarterly journal, Feb. 1896. v. 52, p. 52-67)

Contains, by H. W. Feilden, a general description of the island and its geology, based on a ten-day visit in 1895, by a party of five.

Appendix: Bonney, T. G. Report on the erratic boulders from the Kolguev beds.

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4875. FEILDEN, HENRY WEMYSS, 1838-1921, and T. G. BONNEY. Notes on the glacial geology of arctic Europe and its islands. Part. II. Arctic Norway, Russian Lapland, Novaya Zemlya, and Spitsbergen. (Geological Society of London. Quarterly journal, Nov. 1896. v. 52, p. 721-47, illus.)

Contents include notes by H. W. Feilden on terrace-making in Kolguev Island, glacial geology of Kola Peninsula, general notes on Novaya Zemlya, brief mention of Franz Josef Land and Spitsbergen.

Appendix: Bonney, T. G. Report on specimens collected by Col. H. W. Feilden in arctic Norway, etc.

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4876. FEILDEN, HENRY WEMYSS, 1838-1921. Visits to Barents and Kara Seas, with rambles in Novaya Zemlya, 1895 and 1897. (Geographical journal, Apr. 1898. v. 11, p. 333-65, illus., fold. map)

Paper read before the Royal Geographical Society, Dec. 1897, giving results of the author's observations during three voyages of the *Saxon* in 1895, and a voyage of the *Laura* in 1897, originated and financed by H. T. Pierson. Description of ice conditions in the two seas, and natural history notes concerning Kolguev, Vaygach, and Dolgiy Islands, and Novaya Zemlya.

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FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Busk, G. List of polyzoa, Feilden N. Polar Exped. 1880.

FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Heer, O. Miocene flora Grinnell-Landes. 1878.

FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Heer, O. Notes on fossil plants Grinnell Land. 1878.

FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Nares, Sir G. S., & others. Greely relief exped. 1884.

FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

FEILDEN, HENRY WEMYSS, 1838-1921, *see also* Pearson, H. J. Notes on birds Russian Lapland (etc.). 1896.

4877. FELLMAN, JACOB, 1795-1875. Index plantarum in Lapponia fennica lectarum. (Moskovskoe obshchestvo ispytatelei prirody. Biulleten' 1835. T. 8, p. 245-89) *Title tr.*: Index of plants collected in Finnish Lapland.

Contains a list of three hundred eighty-six species of flowering plants, based on the author's collections and G. Wahlenberg's *Flora lapponica*, 1812, with localities and vernacular names in Lapp, Finnish and Estonian.

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4878. FELLMAN, JACOB, 1795-1875. Index plantarum in Lapponia fennica territorio Kolaënsi lectarum (Moskovskoe obshchestvo ispytatelei prirody. Biulleten', 1831. T. 3, p. 299-328) *Title tr.*: Index of flowering plants collected in Kola Peninsula.

Contains a list of three hundred seventy-nine flowering plants collected in Kola Peninsula with localities and brief data on habitat.

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4879. FELT, EPHRAIM PORTER, 1868-1943. The plant galls [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. G, p. 37-38)

Descriptions of six galls found on the willow of the arctic coast of Alaska and Northwest Territories.

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4880. FENCKER, EDGAR CHRISTIAN, 1844-1904. Nogle efterladte optegnelser om Nordgrønlands fugle af E. C. Fencker. (Dansk ornithologisk forening. Tidsskrift, Aug. 1929. Aarg. 23, p. 33-50) *Title tr.*: Some belated notes on North Greenland birds by E. C. Fencker.

Posthumous notes of E. C. Fencker an official in Greenland 1878-92, edited by H. Fencker and H. Scheel. The notes give observations of nine species of birds in several localities in West Greenland.

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4881. FENCKER, HANNIBAL. Fuglelivet i Sarqaq, Nordgrønland i vinteren 1946-47. (Dansk ornithologisk forening Tidsskrift, Okt. 1947. Aarg. 41, p. 161-68) *Title tr.*: The bird-life in Sarqaq, North Greenland during the winter, 1946-47.

Observations of a Danish government official at this settlement on the south side of Nugsuaq Peninsula, 70°06'N. 52°08'W. Notes on twenty-six species of birds.

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FENCKER, HANNIBAL, *see also* Fencker, E. C. Nogle efterladte optegnelser. 1929.

4882. FENIAK, MICHAEL WALTER, 1914- . MacAlpine Channel map-area, Northwest Territories (report and map). Ottawa, 1949. 2 p. l., 14 p. fold. map. (Canada. Geological Survey. Paper 49-19) Mimeographed.

Report on a geological survey of the islands and mainland of the eastern side of Great Bear Lake, 66°15'-66°30' N. 117°30'-118°W., describing topography, glaciation, rocks, structure and mineralization.

Map: geologic, scale 2 inches: 1 mile.

Copy seen: DGS.

FENŪK, V. F., *see* Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozjajstva i okeanografii. Materialy po biologii (etc.) kamchatskogo kraba. 1945.

4883. FENNER, CLARENCE NORMAN, 1870- . Earth movements accompanying the Katmai eruption. (Journal of geology. Feb.-Mar. 1925. v. 33, p. 116-39, 193-223, illus. table)

Contains results of a field study in 1919 and 1923 in the region of Mt. Katmai, with discussion of the earthquakes known from observation to have accompanied the 1912 eruption, and a description of fracturing in the Valley of Ten Thousand Smokes.

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4884. FENNER, CLARENCE NORMAN, 1870- . The Katmai region, Alaska, and the great eruption of 1912. (Journal of geology, Oct.-Nov. 1920. v. 28, p. 569-606, illus.)

Contains descriptions of the topography and general geology of the region, the ash deposits, fumaroles, Falling Mountain, and Novarupta in the

Valley of Ten Thousand Smokes, the features and ejecta of Mt. Katmai, and evidence as to the nature of the eruption.

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4885. FENNER, CLARENCE NORMAN, 1870- . Mount Katmai and Mount Mageik. (Zeitschrift für Vulkanologie, Juni 1930. Bd. 13, p. 1-24, 16 plates)

Contains an account of the author's ascents of the two volcanoes, and observations of the floors of their craters, made in 1923 while accompanying a U. S. Geological Survey party; with a description of the geology of the Alaska Peninsula in the vicinity of Katmai.

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4886. FENNER, CLARENCE NORMAN, 1870- . The origin and mode of emplacement of the great tuff deposit of the Valley of Ten Thousand Smokes. Washington, 1923. 74 p. illus. (incl. maps) (National Geographic Society. Contributed technical papers. Katmai series. No. 1)

Papers from the Geophysical Laboratory. Carnegie Institution of Washington. No. 480.

Results of the fifth Katmai Expedition of the National Geographic Society. Description (in detail) of the deposits of the Valley and their relation to the Katmai eruption, of Novarupta and its rocks and surrounding deposits, and a discussion of the pre-Katmai nature of the tuff deposits.

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4887. FENNER, CLARENCE NORMAN, 1870- . The phenomena of Falling Mountain. (American journal of science, 1938. Ser. 5, v. 35-A, p. 35-48, illus.)

Description (based on the author's observations in 1919 and 1923 with additional supplied data of 1930) of the falling away of masses of the mountain after the Katmai eruption, and discussion of the probable cause being gaseous transfer.

Copy seen: DLC.

FENNER, CLARENCE NORMAN, 1870- , *see also* American Geophysical Union. Section of Volcanology. Symposium on scientific cooperation in Aleutian I. 1926.

4888. FERDINANDSEN, CARL CHRISTIAN FREDERIK, 1879-1944. Fungi terrestres from north-east Green-

land (N. of 76°N. lat.) collected by the "Danmark Expedition." Danmark-ekspositionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 5. (Meddelelser om Grønland, 1917. Bd. 43, p. 135-45, plate)

Contains a list, with synonymy, descriptive notes and locations, of sixteen (including one new) species of soil fungi, from the Danmarks Havn region of Germania Land and Koldewey Island.

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4889. FERGUSON, MALCOLM STUART, 1908-. Notes on the arctic fairy shrimp, *Branchinecta paludosa* (Canadian field naturalist, May 1935. v. 49, p. 86-88)

Discussion of the distribution of this fresh-water crustacean, and identification of specimens from southern Baffin Island and from Churchill.

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4890. FERGUSON, MALCOLM STUART, 1908-, and N. T. MATTOX. Notes on Some Crustacea from Hudson Bay. (Canadian field naturalist, Mar. 1939. v. 53, p. 36-39)

Distributional notes on five fresh-water species from Nuvuk Islands.

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4891. FERGUSON, ROBERT, 1855-1935. Arctic harpooner, a voyage on the schooner Abbie Bradford, 1878-1879, by Robert Ferguson, edited by Leslie Dalrymple Stair, illustrated by Paul Quinn. Philadelphia, University of Pennsylvania Press, 1938. x p., 1 l., 216 p. illus. maps on lining-papers.

From the author's diary of a sixteen-month whaling voyage in Hudson Bay and Roes Welcome, during which the ship wintered at Marble Island; with chapters on whaling, hunting ashore, and Eskimo customs.

Copy seen: DLC; NNS Stef.

4892. FERGUSON, ROBERT BURG, 1920-. Observations on some aluminum fluoride minerals. (American mineralogist, May-June 1949. v. 34, p. 383-97)

Detailed descriptions of cryolite, cryolithionite, gearsutite, jarlite, propopite, ralstonite, and websterite from Ivigtut, Greenland; with a bibliography (12 items).

Copy seen: DGS.

FERGUSON, W., see Canada. Experimental Farms Service. Summary reports vegetable growers. 1945.

4893. FERGUSON, STERLING PRICE, 1868-. The aërological soundings. (In: Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 39-48, incl. 7 diagrs.)

Contains a statement of the apparatus and methods, and graphs of balloon runs (1926) in horizontal projection.

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4894. FERGUSON, STERLING PRICE, 1868-. Direction and velocity of the wind from observations of pilot-balloons and from the anemograph at the camp on the Maligiakfjord (Camp Michigan) from July to September, 1926. (In: Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 69-70)

Contains table of daily observations made at 66°55'N. 52°40'W.

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4895. FERGUSON, STERLING PRICE, 1868-. Free atmosphere data from ascensions of balloons sondes at Camp Michigan, 1926. (In: Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 241)

Contains results of two ascensions, made in August at the station on Maligiak Fiord, Holsteinsborg District, West Greenland.

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4896. FERGUSON, STERLING PRICE, 1868-. Heights, azimuths (directions), and velocities of pilot-balloons at Camp Michigan from July 22 to September 3, 1926. (In: Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 49-67)

Contains tables of data for a locality (at 66°55'N. 52°40'W.) on Maligiak Fiord.

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4897. FERGUSON, STERLING PRICE, 1868-. Observations of clouds, in detail, at Camp Michigan, July to September, 1926. (In: Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 251-59)

Contains tabular data of daily observations taken at the camp on Maligiak Fiord, Holsteinsborg District, West Greenland.

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4898. FERGUSON, STERLING PRICE, 1868-. Prevailing kind and total amount of cloud at Camp Michigan, July to September, 1926. (In:

Michigan. University. Greenland expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 245-49)

Contains tabular data of daily observations taken at the camp on Mali-giak Fiord, Holsteinsborg District, West Greenland. **Copy seen:** DLC.

FERGUSON, STERLING PRICE, 1868-, see also Michigan. University. Greenland Expeditions, 1926-1933. Reports. 1931-41.

FERGUSON, STERLING PRICE, 1868-, see also Potter, D. M., & others. Atlas cloud types Mt. Evans. 1931.

4899. **FERNALD, ADELBERT.** Missionary dentistry among the Eskimos. (Harvard dental record, Jan. 1930. v. 4, p. 1-3)

Report to D. B. MacMillan on work done among Labrador Eskimos; with remarks on meat eaters' good teeth and mission Eskimos' poor teeth.

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4900. **FERNALD, MERRITT LYN-DON, 1873-1950.** Baffin Land plants collected by the MacMillan Expedition, 1922. (Rhodora, July 1923. v. 25, p. 111-14)

List, with brief field notes, of fifty-seven flowering plants from Bowdoin Harbor, southwestern Baffin Island.

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4901. **FERNALD, MERRITT LYN-DON, 1873-1950.** *Draba* in temperate northeastern America. (Rhodora, July-Nov. 1934. v. 36, p. 241-61, 285-305, 314-44, 353-71, 392-404, 30 plates) Contributions from the Gray Herbarium of Harvard University. no. 105.

Detailed taxonomic study, with keys, distribution, descriptions and field notes, of this genus of herbs which occurs in Labrador, northern Quebec, around Hudson Bay and Baffin Island, with reference throughout to Greenland species.

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4902. **FERNALD, MERRITT LYN-DON, 1873-1950.** Four rare plants from Alaska. (Canadian field naturalist, Sept. 1899. v. 13, p. 149)

Northern European and Asiatic species found in the hills at the headwaters of the Susitna River and along the Kuskokwin River. **Copy seen:** DLC.

4903. **FERNALD, MERRITT LYN-DON, 1873-1950.** Some critical plants

of Greenland. (Rhodora, 1934. v. 36, p. 89-97, illus., plates 279-280, text maps)

Notes on taxonomy, nomenclature and distribution, of six species of flowering plants from North Greenland. These notes were occasioned by the receipt at the Grey Herbarium of specimens from the Crocker Land Expedition, 1913-17.

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4904. **FERNALD, MERRITT LYN-DON, 1873-1950.** Some plants from the northwest shore of Hudson Bay. (Canadian field naturalist, Sept. 1899. v. 13, p. 147-49)

List of thirty species collected by George Comer, 1893-94, at Depot Island (63°55'N.) and Whale Point (64°30'N.).

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4905. **FERNALD, MERRITT LYN-DON, 1873-1950.** Three *Antennarias* from Greenland. (Rhodora, Nov. 1931. v. 33, p. 222-24)

Description of two new herb species, *A. affinis* and *A. brevistyla*, and notes on *A. labradorica* of West Greenland.

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4906. **FERNALD, MERRITT LYN-DON, 1873-1950, and J. D. SORNBORGER.** Some recent additions to the Labrador flora. (Canadian field naturalist, July 1899. v. 13, p. 89-107)

List, with localities, and description of one new variety, of one hundred two species collected by the Bowdoin College Expedition, 1891, in the lake Melville region, and by J. D. Sornborger, 1892-97, along the coast as far north as Cape Chidley.

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4907. **FERNOW, BERNHARD EDWARD, 1851-1923.** The forests of Alaska. (American forests, Feb. 1902. v. 8 p. 66-70)

Discussion of the paucity of good timber forest in Alaska as a whole; the composition of the coastal forests; and (in general) the relation of climate to Alaska tree growth, and distribution.

Copy seen: DA.

4908. **FERNOW, BERNHARD EDWARD, 1851-1923.** Forests of Alaska. (In: Dall, W. H., and others. History, geography, resources. Harriman Alaska series, 1902. v. 2, p. 235-56, 9 plates, map)

Discussion of the forest characteristics of the interior and the coasts of Alaska in relation to the soils, physiog-

raphy and climate, and remarks on the economic aspects which then obtained.

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4909. FERRANDINI, RALPH A. At the end of the harpoon line. (Alaska life, Nov. 1945. v. 8, no. 11, p. 25-29, illus.)

Notes on the history of whaling, and on the present industry in Bering Sea, Gulf of Alaska and Arctic Ocean.

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4910. FERRANDINI, RALPH A. Harpooned courage. (Alaska sportsman, Mar. 1938. v. 4, no. 3, p. 10-11, 22, illus.)

Detailed account of the taking of a humpback whale in the Gulf of Alaska, by a vessel from Akutan whaling station.

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4911. FERRANDINI, RALPH A. They sing, dance and play. (Alaska sportsman, Nov. 1941. v. 7, no. 11, p. 8-9, 30, illus.)

Description of the Pribilof Islands Aleuts, their present-day conditions, U. S. Government aid, standard of morals and characteristics.

Copy seen: DLC.

FERRELL, JAMES, *see* U. S. Work Projects Administration. New York (City). Annotated bibliography. 1938.

FERRI-PISANI, *see* Chancourtois, É. B. de, & Ferri-Pisani. Géologie du Groënland. 1857.

4912. FERRIER, W. F. Notes on the microscopic structure of some rocks from the Labrador Peninsula. (Canada. Geological Survey. Annual report, 1895, pub. 1896. New ser. v. 8, pt. L, p. 335-51)

This is Appendix 5 to A. P. Low's Report on explorations in the Labrador Peninsula [etc.] 1892-1895, pub. 1896. It gives description of thirty-four specimens collected by Low chiefly along the Eastmain and Hamilton Rivers, 1893-95, with a bibliography.

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4913. FERRIS, GORDON FLOYD, 1893-, and G. H. F. NUTTALL. Anoplura [etc.] (Canadian Arctic Expedition, 1913-1918. Report, 1918. v. 3: Insects, Pt. D, p. 11-12)

Record of three species of lice, one from the seal, one from the fox, and one from the heads of Copper Eskimos.

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FERRIS, GORDON FLOYD, 1893-, *see also* Preble, E. A., & others. Biological survey of Pribilof Islands. 1923.

FERRIS, GORDON FLOYD, 1893-, *see also* Vitzthum, H., & G. F. Ferris. Vogel-Acaridae. Mallophaga. 1923.

4914. FERRY, PHILIP. Seward—prophet extraordinary. (Alaska life, Aug. 1944. v. 7, no. 8, p. 42-45)

General notes on the Alaska purchase furor when Seward was U. S. Secretary of State.

Copy seen: DLC.

FERSLEFF, M. A., *see* Ostermann, H. B. S., ed. Første danske undersøgelsesekspedition til Diskobugt 1727. 1920.

4915. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Apatit ego mestorozhdeniâ, geokhimiâ, zapasy i ekonomika. (In: Khibinskies apatity. 1931. T. 3, p. 124-68, illus., maps, tables, diagrs.) *Title tr.:* Apatite deposits: geochemistry, resources, and economics.

Geochemical and economic analysis of apatite, based on data from recent expeditions and laboratory experiments. Includes apatite occurrence outside the Khibina region, p. 125-42; Khibina apatite ores: their distribution according to individual mine fields; the shape of the ore body; its qualitative characteristics, p. 143-47; geochemical diagram of Khibina processes, i.e. juxtaposition of mineral formations of the complex, showing their interrelation and the specific conditions necessary for their formation (temperature, pressure, concentration), p. 147-55; apatite ore genesis, p. 155-63. Recommendation for further detailed investigation of the region to verify tentative conclusions. Bibliography (14 items).

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4916. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Geochemical complexes. (Akademiâ nauk SSSR. Comptes rendus (Doklady) 1940. n.s., v. 18, no. 2, p. 148-50)

Types of geochemical complexes (regular series of mineral formations resulting from certain combination of geological and geochemical factors), examples of such complexes in Kola Peninsula and Ukhata-Pechora region. Bibliography (5 items).

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4917. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Issledovaniia Kol'skogo poluostrova v raione khibinskikh apatitov za leto 1930 goda. (*In*: Khibinskie apatity, 1932. T. 2, p. 339-49) *Title tr.*: Investigations of the Khibina apatite region of the Kola Peninsula in summer 1930.

Notes on construction of Tietta Scientific Station at Lake Malyy Vud'yavr (67°42'N. 33°42'E.); organization of the Khibina Society in Leningrad for discussion of current scientific and industrial problems related to the region; expedition of V. I. Vlodavets in 1929, who crossed the hitherto unexplored region between Kharlovka and Ponoy Rivers, and discovered a band of alkali granite near Lake Lovozero; the Kola Expedition of 1930 sponsored by the Academy of Sciences Geological Committee, and the Scientific Institute of Fertilizers; its achievements (p. 341-46); list of its 31 survey parties and their leaders (p. 348-49).

Maps show (1) areas investigated by various survey parties; (2) geology and (3) cross section of Rasvumchorr (scale 1:25,000).

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4918. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Khibinskie ekspeditsii, ikh zadachi i rezul'taty. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1923. Vyp. 16, p. 5-8) *Title tr.*: The Khibina expeditions, their purpose and results.

Brief account of the Khibina expeditions organized as a special section of the Northern Scientific and Economic Expedition, 1920-1926, list of members and notes on the work of its different groups.

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4919. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945, editor. Khibinskie i Lovozerskie tundry. T. 1: Marshruty. T. 2: Fiziko-geograficheskii ocherk—petrografiia—mestorozhdeniia. Moskva, 1925-28. 2 v. v. 1: 195, [3] p., 3 plates, 2 fold. maps, diagrs. v. 2: iv, 398 p., 4 plates, fold. map, diagrs. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 29 & 39) *Title tr.*: The Khibine and Lovozero Tundras. Part 1: Routes. Part 2: Physico-geographical description. Petrography. Formations.

Pt. 1: General report by the leader of the Khibina Expedition parties of the Northern Scientific and Economic Expeditions, 1920-26, whose purpose was the geochemical investigation of the two alkaline massifs, Umptek and Luyavvurt, in the central part of Russian Lapland. Year-by-year accounts of their work, conditions in the field, routes, index of geographic names, minerals and rocks.

Pt. 2, *contents tr.*: KUPLETSKII, B. A geographic sketch, relief and orography of Khibina and Lovozersk Tundras.

GLADTSYN, I. N. Geomorphological observations in Khibina Tundras.

KUPLETSKII, B. A petrographic sketch of Khibina Tundras.

FERSMAN, A. E., and others. A description of mineral ores in Khibina and Lovozero Tundras.

Maps: Pt. 1: map of Khibina Tundras, with routes of the expeditions 1920-23, contour interval 200 meters; map of Lovozero Tundras, with routes of the expeditions, contour interval 100 meters.

Pt. 2: map of the Khibina Tundras revised according to the work of the expeditions 1920-26, petrographic foundation given by B. M. Kupletskii, contour interval 100 meters. Each paper in Part 2 appears in this Bibliography under its author's name.

Copy seen: DLC.

4920. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Krystallity magmaticheskogo karbonata kal'tsiia iz Khibinskikh i Lovozerskikh tundr. (Akademiia nauk SSSR. Bulletin, jan.-dec., 1923. Sér. 6, t. 17, p. 251-73. 3 plates, tables) *Title tr.*: Crystallites of magmatic calcium carbonate from the Khibina and Lovozero Tundras.

Discussion of the tree-like empty spaces formerly occupied by crystals of calcium carbonate, as found in various minerals (mainly in the Khibiny Mountains) by the Fersman group of the Northern Scientific and Economic Expedition in 1920-22. *Copy seen:* DLC.

4921. FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945. Kvart's i kal'tsit iz Khibinskikh tundr. (Akademiia nauk SSSR. Bulletin, jan.-dec., 1922. Sér. 6, t. 16, p. 477-94) *Title tr.*: Quartz and calcite from the Khibina Tundras.

Basic characteristics and distribution by localities of calcite and other carbonates on the one hand, and silex, chalcedony, and smoky quartz on the other. History of, and relation between the two groups, as a contribution to the history of the Khibina massif. The specimens were collected by the mineralogic expedition led by the author in 1920-23 for the Northern Scientific and Economic Expedition. Bibliographical footnotes (about 20 items).

Copy seen: DLC.

4922. FERSMAN, ALEKSANDR EV. GEN'EVICH, 1883-1945. Mineral'nye assotsiatsii Khibinskikh i Lovozerskikh tundr. (Akademiia nauk SSSR. Bulletin, jan.-déc., 1923. Sér. 6, t. 17, p. 65-80, sketch map, table, diagr.) **Title tr.:** Mineral associations of the Khibina and Lovozero Tundras.

Study based on work done with the Northern Scientific and Economic Expedition. Contains a table of minerals grouped by chemical composition and genetic relationship; annotated list of the mineral formations and the chemical elements present; geologic description of the Khibiny Mountains showing role of distribution of minerals in the formation and present shape of the massif.

Copy seen: DLC.

4923. FERSMAN, ALEKSANDR EV. GEN'EVICH, 1883-1945. Mineralogiia i geokhimiia Khibinskikh i Lovozerskikh tundr. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Severnaia ekskursiia. Chast' 2. Kolskii poluostrov. Leningrad, 1937. p. 94-106, diagrs.) **Title tr.:** Mineralogy and geochemistry of the Khibina and Lovozero Tundras.

Mineralogical sketch containing: general characteristics of chemical elements; a list of 110 (including 18 new) minerals in the region; geochemical processes related to the substitution of minerals and migration of some elements; mineral associations; mineral resources. Also published in English with title as above, q.v.

Copy seen: DLC; NN.

4923A. FERSMAN, ALEKSANDR EV. GENEVICH, 1883-1945. Mineralogy and geochemistry of the Khibine and Lovozero Tundras. (In: Polkanov, A. A., editor. The northern excursion; Kola Peninsula, 1937. p. 91-103, plate,

diagrs. (Pub. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 2])

Translation of his *Mineralogiia i geokhimiia Khibinskikh i Lovozerskikh tundr*, 1937, q.v.

Copy seen: DLC.

4924. FERSMAN, ALEKSANDR EV. GEN'EVICH, 1883-1945, editor. Minerals of the Khibina and Lovozero Tundras. Moskva, Leningrad, Academy of Sciences Press, 1937. 152 p., illus.

Collected papers (in English) on petrology and mineralogy of this part of Kola Peninsula; analysis of minerals found.

Copy seen: DGS.

4925. FERSMAN, ALEKSANDR EV. GENEVICH, 1883-1945. Nefelino-apatitovai problema. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1930. Vyp. 46, p. 3-13) **Title tr.:** The nepheline-apatite problem.

A discussion of the economic aspects and possibilities for exploitation of the great apatite deposits discovered under the author's leadership by Northern Scientific and Economic Expedition, 1920-1926, in the Khibina Mountains, Kola Peninsula.

Copy seen: DLC.

4926. FERSMAN, ALEKSANDR EV. GEN'EVICH, 1883-1945, and others. Opisanie mestorozhdenii Khibinskikh i Lovozerskikh tundr. (In: Fersman, A. E. ed. Khibinskii i Lovozerskii tundry, t. 2, pub. as: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1928. Vyp. 39, p. 203-398, fold. tables, diagrs.)

Other authors: E. M. Bonshtedt, N. N. Gutkova, E. E. Kostyleva, B. M. Kuplet'skii, and A. N. Labuntsov. **Title tr.:** A description of mineral ores in Khibina and Lovozero Tundras.

A description of mineral ores observed by the Northern Scientific and Economic Expedition, 1920-26, in one hundred thirty-two localities identified by the route number indicated in author's *Khibinskii i Lovozerskii tundry. T. 1: Marshruty*, 1925 (q.v.) and grouped by types according to their genetic similarity. Summary in English, p. 384-85.

Copy seen: DLC.

4927. FERSMAN, ALEKSANDR EV. GEN'EVICH, 1883-1945. Poleznye iskopaemye Khibinskikh i Lovozerskikh tundr. (Leningrad. Nauchno-issledo-

vatel'skii institut po izucheniiu Severa. Trudy, 1923. Vyp. 16, p. 63-64). **Title tr.:** Mineral resources of Khibina and Lovozero Tundras.

Brief note on the value of the mineral resources of these sections of the Kola Peninsula, especially on the apatite of the region. **Copy seen:** DLC.

4928. **FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945.** Redkie élementy v shchelochnykh massivakh Kol'skogo poluoostrova. (In: Khibinskie apatity, 1933. T. 5, p. 6-15, diagrs.) **Title tr.:** Rare elements in the alkaline massives of Kola Peninsula.

Contains an outline of characteristics of chemical elements found in Khibina and Lovozero Tundras, p. 7-8; description of about thirty elements deserving special attention, p. 8-11; forecast of new elements in the Khibina-Lovozero complex, p. 12; chemical elements in other complexes of Kola Peninsula, 12-13; need for further research by geochemical field work, laboratory experiments and technological investigation. **Copy seen:** DLC.

4929. **FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945, and others.** Sul'fidnye mestorozhdeniia Moncha-guby i magnetit Moncha-tundry. (In: Khibinskie apatity, 1932. T. 2, p. 381-91, maps, tables).

Other authors: N. N. Gutkova, I. K. Kikoin, A. Z. Levinzon, and R. I. Ianus. **Title tr.:** Sulphide deposits in Moncha Bay and magnetic iron ores in Moncha Tundra.

Account of the survey of the region during the Kola Expedition in 1930, containing (1) results of field work on diatomaceous sediments and sulphides, p. 381-83, (2) results of mineralogical and petrographic investigation, p. 383-85; (3) results of work of the magnetic survey party, p. 385-87; (4) general characteristics of the region and conclusions, p. 387-91.

Map shows the route of the survey party under Fersman and Gutkova, Aug. 1930. **Copy seen:** DLC.

4930. **FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945.** Ural—sokrovishchnitsa Sovetskogo Soiuza. Moskva, Profizdat, 1942. 59 p. table. **Title tr.:** Ural, the treasure house of the Soviet Union.

Popular description of the natural resources of the Ural Mts. region: an

outline of exploration and industrial development; geological history; mineral resources; importance of the Ural region in the economy of the U.S.S.R.

Copy seen: DLC.

4931. **FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945.** Zakonomernye srostantiia mineralov v Khibinskikh i Lovozerskikh tundrach. (Akademiia nauk SSSR. Bulletin, jan.-déc., 1923. Sér. 6, t. 17, p. 275-90, table). **Title tr.:** Regular concretions of minerals in the Khibina and Lovozero Tundras.

Discussion of the nature and origin of the combinations (classified list) identified mainly in the Khibiny Mts., by the author's expedition undertaken for the Northern Scientific and Economic Expedition in 1920-22.

Copy seen: DLC.

4932. **FERSMAN, ALEKSANDR EV-GEN'EVICH, 1883-1945, and N. I. VLO-DAVETS.** Nefelin ego mestorozhdeniia, zapasy, primenenie i ekonomika. (In: Khibinskie apatity, 1931. T. 3, p. 23-44, illus. map, tables) **Title tr.:** Nepheline, its occurrence, reserves, use, and economics.

Discussion of the importance of apatite-nepheline mining for the future economic development of Soviet Russia. Nepheline occurrences in the U.S.S.R. and the importance of the Khibina reserves. Chemical composition of Khibina nepheline formations, table 1, p. 30. Utilization of nepheline and urtite in various branches of the industry, p. 31-40. Brief analysis of aluminum ores in relation to the role of nepheline and urtite as a source for obtaining alkali and aluminum oxide, p. 40-43. Bibliography (13 items). **Copy seen:** DLC.

FERSMAN, ALEKSANDR EVGEN'-EVICH, 1883-1945, see also Akademiia nauk SSSR. Kol'skaia baza. Proizvoditel'nye sily I. 1940.

FERSMAN, ALEKSANDR EVGEN'-EVICH, 1883-1945, see also Severnaia nauchno-promyslovaia ékspeditsiia, 1920-1926, in Expedition section of the index.

4933. **FETHERSTON, K.** Geographic variation in the incidence of occurrence of the blue phase of the arctic fox in Canada. (Canadian field-naturalist, Jan.-Feb. 1947. v. 61, p. 15-18, incl. map and table)

Summary of published reports on rarity of blue phase in Canada, with tabular returns, 1915-43, and map locating stations. *Copy seen:* DLC.

4934. FETHERSTONHAUGH, ROBERT COLLIER, 1892-. The Royal Canadian Mounted Police. New York, Carrick & Evans, Inc. [c1938] xii, 322 p. front., 15 plates, 5 maps (part fold.) Reprinted in New York by Garden City Publishing Co., 1940 (294p.) omitting rosters and personal index.

Detailed history of the force and its work, with rosters, and a personal and chronological index.

Copy seen: DLC; NNSf.

4935. FEUSTEL, IRVIN CARL, 1906-, and others. Properties of soils from North American arctic regions. (Soil science, Sept. 1939. v. 48, p. 183-98, plate, tables, sketch map) *Other authors:* A. A. Dutilly and M. S. Anderson.

Results of studies, made by the Soil Chemistry and Physics Research Division, U. S. Dept. of Agriculture on soils collected by Father Dutilly from Churchill and Chesterfield Inlet on the west coast of Hudson Bay, from northern Quebec, Southampton, Baffin, Ellesmere, and Devon Islands. Data from the mechanical and ash analyses, and discussion of the colloidal fractions of the samples, with notes on the general characteristics of arctic soils; and a bibliography (20 items).

Copy seen: DA.

4936. FEWKES, JESSE WALTER, 1850-1930, and others. The problems of the unity or plurality and the probable place of origin of the American aborigines. (American anthropologist, 1912. New ser., v. 14, p. 1-59)

Contents: Fewkes, J. W. Introductory remarks. Hrdlička, A. Historical notes. Hrdlička, A. The bearing of physical anthropology on the problems under consideration. Dall, W. H. On the geological aspects of the possible human immigration between Asia and America. Gidley, J. W. Paleontological evidence bearing on the problems of the origin of American aborigines. Clark, A. H. The distribution of animals and its bearing on the peoples of America. Holmes, W. H. Bearing of archaeological evidence on the place of origin and on the question of the unity or plu-

rality of the American race. Fletcher, A. C. Some ethnological aspects of the problem. Hough, W. Some ethnological aspects of the problem. Hagar, S. The bearing of astronomy on the subject. Bartsch, P. The bearing of ocean currents on the problem. Chamberlain, A. F. The problem from the standpoint of linguistics. Dixon, R. B. Mythology.

The papers include discussions on cultural affiliations and racial affinities of Indians and Eskimos with peoples of Asia. *Copy seen:* DLC.

4937. FEWKES, JESSE WALTER, 1850-1930. Report on the Medusae collected by the Lady Franklin Bay Expedition, Lieut. A. W. Greely commanding. (*In:* Greely, A. W. Three years of arctic service, 1886. v. 2, p. 400-408, plate)

Full notes on twelve species, of which four are unidentified and one new species is described.

Copy seen: DLC; NNSf.

FEWKES, JESSE WALTER, 1850-1930, see also Murdoch, J. Marine invertebrates (Pt. Barrow exped.) 1885.

4938. FIALA, ANTHONY, 1871-1950. Fighting the polar ice, by Anthony Fiala, commander of the Ziegler Polar Expedition . . . with an introduction by W. S. Champ, and reports by William J. Peters, Russell W. Porter and Oliver S. Fassig. Illustrations from photographs and sketches by the author. Also nine, from paintings in colour by Russell W. Porter and J. Knowles Hare. New York, Doubleday, Page & Co., 1906. xxii, 296, [6] p. 108 plates (part col.) incl. ports., 3 maps (1 fold.). (The geographical library) Issued also in London, by Hodder & Stoughton, 1907.

Narrative of the Ziegler Polar Expedition, 1903-05, financed by William Ziegler, on which a thirty-five man party aboard the ship *America* proceeded to Rudolph Island, northernmost Franz Josef Land, where the ship was lost in the ice. Describes the party's three efforts to reach the North Pole over the ice, using pony and dog sledges; the wintering at Teplitz Bay, and (1904-05) at Cape Flora on Northbrook Island, and on Alger Island. Includes information on weather, ice and travel conditions, use and handling of the animals, and year-round nature of

Franz Josef Land. A closing section gives succinct and detailed notes on organization, planning personnel, equipment, food, clothing, ponies and dogs for expeditions in general.

Appendices: 1. Formation of sledge parties, with rations, etc.

2. Peters, W. J. Report of scientific work done. (gravity, tides, magnetism, aurora, meteorology, bathymetry, astronomy).

3. Porter, R. W. March from Cape Flora to Camp Abruzzi.

4. Fassig, O. S. Trip to the north-east coast of Greenland. (Relief or rescue party sent out from Norway to inspect stores on Shannon Island, left for the Ziegler Expedition, in 1901).

5. Winds and temperatures recorded at Camp Abruzzi, Rudolph Island, Sept. 1903 through Mar. 1904. (Daily mean and extremes.)

Copy seen: DLC; NNS Stef.

FIALA, ANTHONY, 1871-1950, *see also Explorers journal*. Special number arctic search (Levanevskii) 1937.

1899. FICKER, HEINRICH von, 1881-. *Temperaturschwankungen in Russland und Nordasien*. (Meteorologische Zeitschrift, Sept. 1910. Bd. 27, p. 385-400, tables) *Title tr.*: Temperature fluctuations in Russia and northern Asia.

The meteorological phenomena associated with intense outbreaks of cold and warm air masses are reviewed.

Copy seen: DA.

1940. FIEANDT, ALVAR von. Fiskarhalföns och on Kildins geologi. Helsingfors, 1912. 98 p. 6 plates, fold. map. (Fennia. 32, no. 7) *Title tr.*: On the geology of Fishery Peninsula and Kildin Island.

This paper represents the author's attempt to complete the research of two earlier geologists (W. Böttlingk and W. Ramsay) and his own observations made in 1909 on Rybachiy Peninsula (69°40'N. 32°40'E.) and Kildin Island, off the north coast of Kola Peninsula. He gives detailed descriptions of the sedimentary formations and their petrography, with a determination of their age, based on comparison with Varanger sediments; discussion of the disconformity which separates these from the Fennoscandia rocks of the mainland, and remarks on their

glacial geology. Summary in German, p. 93-96.

Copy seen: DSI-M.

1941. FIEBER, FRANZ XAVER. Synopsis aller bisher in Europa entdeckten Arten der Gattung *Corisa*. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', 1848. T. 21, pt. 1, no. 2, p. 505-539. plate 10) *Title tr.*: Synopsis of all species of the genus *Corisa* hitherto discovered in Europe.

Contains a synopsis of thirty-one European species of aquatic carnivorous insects of the genus *Corisa*, with descriptions, synonymy, critical notes, and data on general distribution, including some species from Lapland, arctic Russia, and Aleutian Islands.

Copy seen: MH-A.

1942. FIELD, HENRY, 1902-. Contributions to the anthropology of the Soviet Union. Washington, 1948. vii, 244 p. 5 plates. (Smithsonian Institution. Smithsonian miscellaneous collections. v. 110, no. 13)

"This study, which includes a compilation of anthropological data based on Soviet published and unpublished materials, has been divided into two sections, one dealing with archeology, the other with physical anthropology."—Preface.

Includes (p. 64-65) arctic paleolithic sites, on Rybachiy Peninsula (Kola); notes (p. 227-28) on two types of Yakut crania; on the craniology of the Aleuts (p. 230-34); and (p. 236-37) on the origin of the Eskimo; bibliographic footnotes throughout.

Copy seen: DSI-M.

1943. FIELD, HENRY MARTYN, 1822-1907. Our western archipelago. New York, C. Scribner's Sons, 1895. ix p., 1 l., 250 p. front., plates, map.

Account of the author's trip through Canada to Alaska, returning by the Northern Pacific Railway. Includes chapters on the Inland Passage to Alaska, the glaciers of southeastern Alaska, on Sitka, Metlakatla, and the schools and missions.

Copy seen: DLC; NNS Stef.

1944. FIELD, WILLIAM OSGOOD, Jr. The Fairweather Range; mountaineering and glacier studies. (Appalachia, Dec. 1926. v. 16, p. 460-72, 8 plates, fold. sketch map)

Account of a reconnaissance trip, summer 1926, to study mountaineering

approaches to the peaks of this range, which lies southwest of the St. Elias Mts.; with notes on the glaciers.

Copy seen: DLC.

4945. FIELD, WILLIAM OSGOOD, Jr. Glacier recession in Muir Inlet, Glacier Bay, Alaska. (Geographical review, July 1947. v. 37, p. 369-99, incl. 11 p. of illus., fold. map)

"During the last two-thirds of a century the area covered by glaciers draining to the Inlet has been reduced about 35 percent, or some 175 square miles." The author discusses observations in Muir Inlet, 1880-1946, the survey made in 1941 and new names which are needed; describes recent variations of Muir Inlet and other glaciers nearby: Adams Inlet glaciers, Muir Casement, McBride, Plateau, Burroughs, and other glaciers.

Copy seen: DLC.

4946. FIELD, WILLIAM OSGOOD, Jr. The glaciers of the northern part of Prince William Sound, Alaska. (Geographical review, 1932. v. 22, p. 361-88, illus. incl. map)

Descriptions of eighteen glaciers and discussion of their fluctuations, with notes on the economic importance of their behavior.

Copy seen: DLC.

4947. FIELD, WILLIAM OSGOOD, Jr. The mountains and glaciers of Prince William Sound, Alaska. (American alpine journal, 1932. v. 1, p. 445-58, 6 plates, map)

Notes on mountaineering history, the Chugach Range, glacial studies, observations made in 1931 on variations, and (in some detail) the glaciers of six different regions; with a bibliography (34 items).

Copy seen: NNA.

4948. FIELD, WILLIAM OSGOOD, Jr. Observations on Alaskan coastal glaciers in 1935. (Geographical review, Jan. 1937, v. 27, p. 63-81, illus., 4 sketch maps)

Concerns the actual changes between 1931 and 1935 in the glaciers of Holkham Bay and Prince William Sound, as noted by the author.

Copy seen: DLC.

FIELDS, J., see Barnett, H. E., & others. Medical conditions in Alaska. 1947.

4949. FIGGINS, JESSE DADE, 1867-1944. Description of a new species of caribou from the region of the Alaska-

Yukon boundary. (Colorado Museum of Natural History. Proceedings, Dec. 1919. v. 3, p. 1-6, incl. 2 p. of illus.)

Full description of *Rangifer megumi* rei with a range along the boundary, from the base of Mt. St. Elias northward.

Copy seen: DSI-M.

4950. FIGGINS, JESSE DADE, 1867-1944. Field notes on the birds and mammals of the Cook's Inlet region of Alaska. (Linnean Society of New York. Proceedings, 1902-1904, pub. 1904. No. 15-16, p. 15-39, 2 plates)

Results of the Andrew J. Stone Expedition, 1901, of the American Museum of Natural History, N. Y. Description of the Kenai and Alaska Peninsula localities visited by the author; and annotated lists of sixty-eight species and subspecies of birds, and twenty-six mammals.

Copy seen: DSI-M.

4951. FIGGINS, JESSE DADE, 1867-1944. Some food birds of the Eskimos of northwestern Greenland. (Linnean Society of New York. Proceedings, 1900-1902, pub. 1902. No. 13-14, p. 61-65)

Description of the Polar Eskimos' methods of capturing water birds, and remarks on their abundance, rookeries, and safety from extinction, due to the birds' inaccessibility.

Copy seen: DSI-M.

4952. FILATOV, M. M. Geografiia pochv SSSR . . . Moskva, Gos. Uchebno-Pedagogicheskoe Izd-vo, 1945. 344 p. illus., sketch maps, 2 fold. diagrs. *Title tr.:* Geography of the soils of the U.S.S.R.

Contents include chapters on permafrost, p. 88-94; soils of the tundra zone, p. 104-24; and of the Urals, p. 319-27.

Copy seen: DLC.

4953. FILATOVA, Z. A. Klass dvustvorchatykh molluskov. (Bivalvia. Lamellibranchiata) (In: Gaevskaja-Sokolova, N. S., and others. Opredelitel' fauny i flory, 1948. p. 405-446, illus., plates 105-113) *Title tr.:* Class of bivalves (Bivalvia. Lamellibranchiata).

Contains an extensive morphological sketch of bivalve molluscs, with special attention given to the study of the structure of shells; statistical data on geographic distribution in various northern seas, and keys to the families, genera, species and varieties of this class.

Copy seen: DLC; MH-Z.

4954. FILATOVA, Z. A. Kolichestvennyi uchet donnoi fauny iugo-zapadnoi chasti Barentsova moria. (Murmansk. Pol'arnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. Vyp. 2, p. 3-58, tables, 3 fold. sketch maps, diagrs.) *Title tr.*: The quantitative evaluation of the bottom fauna of the south-western part of the Barents Sea. (Transactions of the Knipovich Polar Scientific Institute of Sea-Fisheries and Oceanography, Murmansk).

Contains a sketch of the hydrology of southwestern Barents Sea; description of type-communities of various zones of the area, with tabular and graphic presentation of their quantitative character based on the Zenkevich method of calculating the index of density; discussion of the distribution of benthonic biomasses, and the zoogeography of the sea. Bibliography (42 items). *Maps* show distribution of the bottom complexes of the south-western part of Barents Sea, scale approx. 1:5,000,000. Summary in English.

Copy seen: DLC.

4955. FILATOVA, Z. A., and V. I. ZATSEPIN. Gastropoda—Brükhonogie molliŭski. (In: Gaevskaia-Sokolova, N. S., and others. Opredelitel' fauny i flory, 1948. p. 358-401, illus., plates 95-103) *Title tr.*: Gastropoda.

Contains data on taxonomy, morphology, biology and geographic distribution of marine molluscs of the large class Gastropoda, native to northern waters of the U.S.S.R.; with keys for determination of subclasses, orders, families, genera and species.

Copy seen: DLC; MH-Z.

4956. FILCHNER, WILHELM, 1877- , and HEINRICH SEELHEIM. Quer durch Spitzbergen; eine deutsche Übungsexpedition im Zentralgebiet östlich des Eisfjords. Berlin, E. S. Mittler und Sohn, 1911. x, 147 p. 22 plates, 2 fold. maps. *Title tr.*: Right across Spitsbergen; a German practice expedition in the central region east of Ice Fiord.

Account of the Filchner Preliminary Expedition to Spitsbergen, Aug. 1910, to test equipment and personnel for the German Antarctic Expedition, 1911. Author gives a brief review of discovery and exploration of West Spitsbergen and a detailed narrative (for the gen-

eral reader) of the hand-drawn sledge and ski trip across the ice of central part of the island from Tempel Bay, Ice Fiord to Wiche Bay, Stor Fiord at about 78°25'N. *Copy seen:* NN.

4957. FILIPEV, IVAN NIKOLAEVICH, 1889-1937? Svobodnozhivushchie nematody iz Severnogo Ledovitogo okeana. (In: Dreifuŭshchaja ekspeditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940. Trudy, 1946. T. 3, p. 158-84, illus.) *Title tr.*: Free-living nematodes from the Arctic Ocean.

Contains a classified list, with descriptions, localities, and information on the collecting stations, of thirty-five (including twenty-four new) species from the waters between Franz Josef Land and North Land and between 78°33'-82°09'N. collected during the cruise of the *Sadko*, 1935 (here published in the report of the *Sedov* drift, 1937-40).

Copy seen: DLC.

FILIPEV, IVAN NIKOLAEVICH, 1889-1937?, see also Gur'anova, E. F. Biotšenez laminarii Kol'skogo zaliva. 1924.

4958. FILIPPI, FILIPPO de, 1869- . The ascent of Mount St. Elias [Alaska] by H. R. H. Prince Luigi Amedeo di Savoia, Duke of the Abruzzi, narrated by Filippo de Filippi, illustrated by Vittorio Sella and tr. by Signora Linda Villari with the author's supervision. New York, Frederick A. Stokes Co. [1900] xvi, 241 p. front., illus., 38 plates (incl. 4 panoramas) 2 fold. maps.

English translation of *La Spedizione di . . . duca degli Abruzzi al Monte Sant' Elia (Alaska) 1897, 1900, q.v.*

Copy seen: DLC.

4959. FILIPPI, FILIPPO de, 1869- . La spedizione di Sua Altezza reale, il principe Luigi Amedeo di Savoia, duca degli Abruzzi, al Monte Sant' Elia (Alaska) — 1897 — illustrata da Vittorio Sella. A beneficio delle guide alpine italiane. Milano, U. Hoepli, 1900. xvii, 284 p. illus., 38 plates (incl. 4 fold. panoramas) 2 fold. maps. *Title tr.*: The Expedition of His Royal Highness, Prince Luigi Amedeo di Savoia, Duke of the Abruzzi, to Mt. St. Elias (Alaska) 1897; illustrated by Vittorio Sella.

Contains an account of the journey across the United States to Seattle and

thence to Yakutat Bay, the ascent of Mt. St. Elias and return, with chapters on the Malaspina, Seward, Agassiz and Newton Glaciers.

Appendices tr.: A. Equipment. B. CAGNI, U. Meteorological observations. C. Medical notes. D. EMERY, C. Animals collected. E. NOVARESE, V. Rocks and minerals of southern Alaska. F. Bibliography. The papers by Cagni, Emery, and Novarese appear in this Bibliography under the authors' names.

Copy seen: DLC.

4960. FINCH, RUY HERBERT, 1890-. Akutan volcano. (*Zeitschrift für Vulkanologie*, Aug. 1935. Bd. 16, p. 155-60, 4 plates)

Description of the island, one of the Aleutians, its climate and geology, and the history of the activity of its volcano, and hot springs; based on a field study for the U. S. Geological Survey, 1931.

Copy seen: DGS.

4961. FINCH, RUY HERBERT, 1890-. Shishaldin volcano. (*Pacific Science Congress*, 5th, 1933. *Proceedings*, 1934. v. 3, p. 2369-76, incl. 4 p. illus.)

Description of the geology, geography, and volcanoes of Unimak Island, with a history of Shishaldin, and notes on the effects of the eruption, 1932; based on a photographic study by the U. S. Geological Survey, 1932.

Copy seen: DLC.

4962. FINDEISEN, HANS. *Aus Wirtschaft und Kultur des Jenissejer (Ketó)*. (*Koloniale Rundschau*, 1941. Bd. 32, p. 263-80, illus. (map), 4 plates) *Title tr.:* On the economy and culture of the Yeniseians.

Essay includes observations and citations on Yeniseian religious acculturation, distribution of population, detailed list of purchases at store, lists of numbers of animals, birds, and fish caught, by individual varieties, and romanticized notes on shamanism; with comments on the benefits to result from the expected imminent German conquest of U.S.S.R. *Map*, scale 1:8,000,000, shows distribution of ethnic groups along middle Yenisey River, based upon the Russian Academy of Sciences ethnographic map of 1927, scale 1:4,200,000.

Copy seen: CaMAI; DLC.

4963. FINDEISEN, HANS. Bericht über eine Reise nach Finnisch-Lappland. (*Baessler-Archiv*, 1929. Bd. 13,

p. 121-35, illus., sketch map) *Title tr.:* Report of a journey to Finnish Lapland.

Account of an excursion in the summer of 1929, with description of the Lapps, their clothing, dwellings, and way of life in the region of Petsamo (Pechenga) Fiord.

Copy seen: CaMAI.

4964. FINDEISEN, HANS. *Ethnographische Bibliographie der Jahre 1926 und 1927. 2, Siberien*. (*Ethnologischer Anzeiger*, 1931. Bd. 2, p. 256-85) *Title tr.:* Ethnographic bibliography of the years 1926 and 1927. 2, Siberia.

Bibliography includes 361 items on Siberian ethnology outside of southern Siberia, including items published between 1922 and 1927 but chiefly 1926-1927.

Copy seen: DSI-E; reprint in CaMAI.

4965. FINDEISEN, HANS. *Die Fischerei im Leben der "altsibirischen" Völkerstämme*. (*Zeitschrift für Ethnologie*, Berlin, 1928, *pub.* 1929. v. 60, p. 1-73, 49 illus. incl. map) *Title tr.:* Fishing in the life of the "old Siberian" native groups.

Contains detailed description of fishing and its place in the culture of the Siberian Americanoids (exclusive of Eskimos and Aleuts), based upon the literature and upon artifacts in the Berlin Museum für Völkerkunde. Describes (1) distribution of the tribes concerned; (2) distribution and seasonal movement of chief species of fish caught; (3) methods of cooking and preserving; (4) fish products other than food; (5) methods of catching fish in various areas and seasons; (6) fishing tackle; (7) relation of fishing to the social, religious, artistic, and intellectual culture of Siberian Americanoids. Includes a bibliography of literature cited.

Copy seen: DLC.

4966. FINDEISEN, HANS. *Indochinesen in Nordsibirien. Beobachtungen und Studien bei den Ketó der Steigen Tunguska*. (*Atlantis*, 1940. Jahrg. 12, p. 58-62, illus.) *Title tr.:* Indochinese in northern Siberia. Observations and studies among the Kets of the Stony Tunguska.

Description of the customs, legends, songs of these Yeneseians of the Podkamennaya Tunguska River region (about 61°-62°N. 93°E.)

Copy seen: CaMAI (reprint).

4967. FINDEISEN, HANS. Die Ketó; Forschung über ein nordsibirisches Volk. (Sinica-Sonderausgabe, 1937. Heft. 1, p. 52-68) *Title tr.*: The Ket; research on a northern Siberian people.

Contents tr.: 1. The Ket, an Indo-chinese people in northern Siberia. 2. Orientation in space, and color scale of the Kets. (Study of their language of direction and color.) The Keti or Yeniseians dwell between the Lower Tunguska and Stony Tunguska Rivers, right tributaries of the Yenisey.

Copy seen: CaMAI.

4968. FINDEISEN, HANS. Die Kunstkreise Nordasiens. Berlin, 1930. 16 p. (Schriften der Vereinigung für Völkerkunde und verwandte Wissenschaften, Berlin. Heft 1) The "Association for folk art and related studies" is described (on inside of front cover) with address c/o the author Berlin NW40, Döberitzer Strasse 1. *Title tr.*: The art areas of northern Asia.

Outlines eight culture areas among the aboriginal peoples of northern Eurasia, defined on the basis of differences in art materials and designs.

Copy seen: CaMAI.

4969. FINDEISEN, HANS. Nordasien. (In: Die Grosse Völkerkunde, hrsg. von H. A. Bernatzik. Leipzig, 1939. Bd. 2, p. 53-66, illus.) *Title tr.*: Northern Asia. (In: Die Grosse Völkerkunde (Anthropology) ed. by A. H. Bernatzik)

General summary of the relationships and cultures of the northern peoples from Lapland eastward to the Pacific Ocean, exclusive of the Yakuts.

Copy seen: CaMAI; DLC.

4970. FINDEISEN, HANS. Reisen und Forschungen in Nordsibirien 1927-1928. Skizzen aus dem Lande der Jenissejstjaken. Berlin, 1929. Im Selbstverlage des Verfassers, Berlin NW 21, Lübecker Strasse 51. 47 p. *Title tr.*: Travels and explorations in northern Siberia. Sketches from the land of the Yenisei Ostyaks.

Narrative of a visit in July-Aug., 1927, to the nomadic Yeniseians (Keti) centering on the Stony Tunguska and Yenisey Rivers, including a boat trip on the Stony Tunguska. The author spent the following winter studying in Krasnoyarsk. He includes in this narrative, legends and tales, of the Keti, description of hunting squirrels, elk,

and sables, and of fishing, also notes on rites and customs associated with squirrel and bear hunting.

Copy seen: CaMAI.

4971. FINDEISEN, HANS. Zur Geschichte der Bärenzeremonie. (Archiv für Religionswissenschaft, 1941. Bd. 37, p. 196-200) *Title tr.*: History of the bear ceremonial.

A brief discussion of the significance of the bear in a hunting culture; the element of ancestor worship in the bear ceremonial, and consideration of the latter in the northeastern Siberian culture as a recent form of a rite which earlier involved various game animals.

Copy seen: DLC.

4972. FINDEISEN, HANS. Zur Problematik des Seelenglaubens. Aus der religionswissenschaftlichen Forschung an "frühen" Kulturformen des Nordens. (Europäischer Wissenschaftsdienst. Jahrg. 1944. 3 p.) *Title tr.*: On the belief in the soul. Religio-scientific research in "early" culture patterns of the North.

Contents tr.: The soul in the beliefs of the Yeniseians; cultural framework; a spiritual world; relative chronology; animism and soul migration; deathless soul; shaman soul mythology; absolute chronology.

Copy seen: CaMAI (reprint).

4973. FINDEISEN, HANS. Zwei ketische (jenissejstjakische) Erzählungen von der Steinigen Tunguska (Ostsibirien). (Anthropologische Gesellschaft in Wien. Mitteilungen, 1941. Bd. 71, p. 219-29) *Title tr.*: Two Ketish (Yenisey-Ostyak) tales of the Stony Tunguska.

Copy seen: CaMAI; DSG.

4974. FINDLAY, ALEXANDER GEORGE, 1812-1875. On the probable course pursued by Sir John Franklin's Expedition. (Royal Geographical Society. Journal, 1856. v. 26, p. 26-35, fold. map)

Contains a detailed discussion of the author's views on the fate of the *Erebus* and *Terror*, based on the (then) known clues, and on his knowledge of the current system of the Canadian arctic waters.

Copy seen: DLC.

4975. FINGER, S. Krylatye lüdi Chukotki. (Sovetskaja Arktika, 1939, no. 11, p. 45-57, illus.) *Title tr.*: Winged men of Chukotka.

Account by a pilot and parachutist (who is said to have performed the first parachute jump in the Arctic) of his work in Chukotka, training young Chukchis in aviation and parachuting.

Copy seen: DLC.

4976. **FINLÄN, N. A.** Uroki dvukh avariï (*In:* Zubov, N. N., and others. *Arkticheskie navigatsii*. Sbornik pervyi, 1941, p. 185-91, illus.) *Title tr.:* Lessons from two shipwrecks.

Discussion of causes of accidents in the arctic seas, illustrated by examples from navigation in 1939: the running aground of the *Sadko* near Makarov Island and the wreck of the hydrographic ship *Züüd* west of Malygin Strait.

Copy seen: NNStef.

4977. **FINLAND. METEOROLOGISCHEN KESKUSLAITOS.** État des glaces et des neiges en Finlande pendant l'hiver 1892/1893-1897/1898. Helsingfors, 1904-09. 6 v. maps. (Observations météorologiques publiées par l'Institut météorologique central de la Société des Sciences de Finlande. État des glaces et des neiges.) 1892/93-1895/96: reported by Axel Heinrichs; 1896/97, by Axel Heinrichs and V. V. Korhonen; 1897/98, by V. V. Korhonen.

Continuation of a series of observations made in 1890-92 and published by the Society in its *Bidrag till kännedom af Finlands natur och folk*. 51st, 52d and 57th livraisons. Continued under title: Schnee- und Eisverhältnisse in Finland im Winter 1898/99-. From 1900/01, issued as: Beilage zum finländischen meteorologischen Jahrbuch, Bd. 1-, 1901-.

Contains annual winter season tabulations of daily snow-cover depths, mean decadal depth (10 day period) and number of snow-cover days per decade, the maximum depth and its date of occurrence, dates of disappearance of snow cover in forests and over plains for the network of climatological stations in Finland; charts of number of snow cover and ice cover days (over land and water), and the dates of snow and ice cover formations and disappearances.

File seen: DLC.

4978. **FINLAND. METEOROLOGISCHEN KESKUSLAITOS.** A magnetic survey of north Finland for the epoch 1915.5. By J. Keränen. Helsinki, 1924. 32 p. incl. tables, diagrs. (*Its:* Maamagneettisia tutkimuksia no. 11)

The results of magnetic measurements made during survey tours in the years 1912-1923 are reduced to the epoch 1915.5. Lines of equal horizontal intensity, isogonic lines and lines of equal vertical intensity are mapped for the epoch.

Copy seen: DLC.

4979. **FINLAND. METEOROLOGISCHEN KESKUSLAITOS.** Results of magnetic observations . . . in northern Finland, by J. Keränen. Helsinki. Published by the Central Meteorological Office of Finland.

Results for the years 1911-15 were issued 1917-18, in an unnumbered series. Results for 1916 were issued in 1921, as its *Maamagneettisia tutkimuksia*, no. 10. Results for 1917, 1918, 1922 and 1923 issued 1925, as its *Maamagneettisia tutkimuksia*, no. 12. 1913-15 contain results of magnetic surveys and field tours by J. Keränen. Isogonic, isoclinic and lines of equal horizontal intensity are mapped for each year. 1916-18, 1922-23 *pub.* 1921, 1925, contain results of irregular measurements during annual tours by J. Keränen in northern Finland. Isogonic, isoclinic and lines of equal horizontal intensity are drawn for 1916.

File seen: DLC.

4980. **FINLAND. METEOROLOGISCHEN KESKUSLAITOS.** Schnee- und Eisverhältnisse in Finland im Winter 1898/1899-1908/1909. Kuopio, Kirjain "Sanan valta," 1906-25. 11 v. (Supplement to *its:* Meteorologisches Jahrbuch. Jahrg. 1901-1909) 1898/99, 1901/02-1908/09, by V. V. Korhonen; 1900/01, by Axel Heinrichs.

In continuation of its series: État des glaces et des neiges en Finlande pendant l'hiver 1892/93-1897/98 (Observation météorologiques publiées par l'Institut météorologique central de la Société des sciences de Finlande), *q.v.*

File seen: DLC.

4981. **FINLAND. METEOROLOGISCHEN KESKUSLAITOS.** Suomen magneettiset kartat Heinäkun 1 p:nä 1930. A magnetic survey of Finland on July 1, 1930. By J. Keränen. Helsinki, 1933. 39 p. incl. tables. 5 fold. maps in pocket. In Finnish and English throughout.

The results of magnetic surveys in Finland during the years 1910-1928 are reduced to the epoch 1930.5. Five maps are drawn to indicate the distributions of stations, lines of equal vertical in-

tensity, horizontal intensity, declination and inclination for this epoch.

Copy seen: DLC.

4982. FINLAND. METEOROLOGIS-
KEN KESKUSLAITOS. Suomen mete-
orologinen vuosikirja (Meteorologisches,
Jahrbuch) 1901-1938. Helsinki, 1908-
40. 38 v. plates, tables, diagrs. *Title tr.:*
Meteorological yearbook for Finland.
Title-page and text in Finnish and
German.

Supersedes its: Observations météo-
rologiques, publiées par l'Institut météo-
rologique central de la Société des
sciences de Finlande, 1881/82-1899/-
1900, pub. 1893-97, 1904-10. The annual
volumes (for dates indicated) have
sections as follows:

Pt. 1. Meteorological observations,
1901-37, contains results of meteorologi-
cal observations made three times daily
at several stations north of 65°N., with
monthly and annual résumés.

Pt. 2. Precipitation observations,
1908-35, contains daily precipitation
amounts from the network of stations
north of 65°N., and in addition, 1936-
38, results of five-day snow depth and
density measurements.

Pt. 3. Aerological observations, 1932-
35, includes results of upper wind ob-
servations at two stations in the arctic
region.

File seen: DLC (1901-37, 1938 pt. 2).

4983. FINNIE, RICHARD, 1906-. An
arctic sled journey. (Canadian geo-
graphical journal, Feb. 1933. v. 6, p.
57-67, illus.)

Account (for the general reader) of
a trip along Coronation Gulf from Cop-
permine to the Krusenstern trading
post, during the author's wintering
(1930-31?) among the Copper Eskimos.
Includes a description of the prepara-
tion of sledges, clothing and food, of
dog handling and driving, and of the
building of a snowhouse.

Copy seen: DLC.

4984. FINNIE, RICHARD, 1906-.
Batting the Great Bear River. (Beaver,
Mar. 1935. Outfit 265, no. 4, p. 32-37,
incl. 2 p. of illus.)

"Description of a race between the
[Hudson's Bay] Company boats and
those of a rival through the rapids of
the river with heavy equipment for the
Great Bear Lake mining camps." —
Subtitle.

Copy seen: DSI-M.

4985. FINNIE, RICHARD, 1906-.
Canada moves north. (Canadian geo-
graphical journal, Nov. 1941. v. 23, p.
254-63 (incl. 2 p. of illus.))

A record of "social and economic
changes in the District of Mackenzie
from the inception of the fur trade to
the recent opening up of oil wells,
radium and gold mines." Contains
notes (in brief) on social welfare ad-
ministration for natives, the growth of
Yellowknife community, air transport,
modern communications, etc., in the
Mackenzie Basin.

Copy seen: DLC.

4986. FINNIE, RICHARD, 1906-.
Canada moves north. New York, Mac-
millan Co., 1942. ix p., 1 l., 227 p. illus.
(map) 64 plates, incl. ports. Map on
lining-papers. Reprinted in 1944, 1947.

Journalist's account of the North-
west Territories in the 1940's; the
geography, exploration, fur trade, mis-
sions, administration, transportation
and communication; oil, gold and ra-
dium; farming and stock raising; Yel-
lowknife, the tourist traffic; civiliza-
tion of the Eskimos and Indians, their
literature and art; with a bibliography
(17 items), and an index.

Copy seen: DLC; NNSStef (1944).

4987. FINNIE, RICHARD, 1906-.
The epic of Canol. (Canadian geo-
graphical journal, Mar. 1947. v. 34,
p. 137-39, sketch map)

A reminder of the "colossal practical
experiment in sub-arctic transportation
and construction, and its enduring bene-
fits," in answer to criticism of the
project, by one who worked on it.

Copy seen: DLC.

4988. FINNIE, RICHARD, 1906-.
Filming arctic animals. (Forest and
outdoors, Jan. 1938. v. 34, p. 398-99,
410 [i.e. 14-15, 26] illus.)

The page numbering of this volume
was changed retroactively in the Feb-
ruary issue. Popular account of the
author's experience photographing musk
oxen on Devon Island in 1929.

Copy seen: DA.

4989. FINNIE, RICHARD, 1906-.
Filming the white fox. (Forest and
outdoors, Feb. 1938. v. 34, p. 39-40,
illus.)

Arctic fox on Somerset Island feeds
on a seal carcass while the author takes
a motion picture of him.

Copy seen: DA.

4990. FINNIE, RICHARD, 1906- . Lost in the Arctic. (Beaver, June 1936, Outfit 267, no. 1, p. 28-32, 66, illus.)

Account of five days' experience of Rev. J. H. Webster, Church of England missionary at Coppermine, wandering scantily clad, foodless, and shelterless, in temperature of -40°F.

Copy seen: DSI-M.

4991. FINNIE, RICHARD, 1906- . Lure of the North. Philadelphia, David McKay Co. [c1940] xix, 227 p. incl. front., 30 plates, incl. ports., facsim., maps on lining-papers.

The author spent a year in the western Arctic between Herschel and King William Island in 1930, revisited the region in 1934 and 1939, and gives here sketches and essays on its people, the Eskimos and whites, and their way of life.

Copy seen: DLC; NNSStef.

4992. FINNIE, RICHARD, 1906- . Modern pioneering in Canada's western sub-Arctic. (Canadian geographical journal, Sept. 1936. v. 13, p. 240-55, incl. 6 p. of illus., sketch map)

First-hand account of power vessels on the route from Fort McMurray to Great Bear Lake, beginning 1934, of the water route and the transportation of supplies and ores along the Mackenzie; with notes on settlements along the route, and of the development around Great Bear Lake, which mining operations have occasioned, especially at Cameron Bay.

Copy seen: DLC.

4993. FINNIE, RICHARD, 1906- . Norman Wells, Canada's sub-arctic refinery. (World petroleum, Oct. 1940. v. 11, no. 11, p. 70-79, illus.)

Account of the development of the petroleum deposits discovered near Fort Norman in 1920; with remarks on water transportation in Mackenzie valley.

Copy seen: DLC; NNSStef.

4994. FINNIE, RICHARD, 1906- . A route to Alaska through the Northwest Territories. (Geographical review, July 1942. v. 32, p. 403-416)

Notes on the Mackenzie as an emergency supply route to Alaska, describing the country, the Norman oil wells, and (with sketch map) the alternative routes to Alaska, through the Yukon Territory.

Copy seen: DLC.

4995. FINNIE, RICHARD, 1906- . Trading into the North-west Passage.

(Beaver, Dec. 1937. Outfit 268, no. 3, p. 46-53, incl. 3 p. of illus., sketch map)

Account of the *Nascopie*, Aug.-Sept. 1937, sailing north and west to Prince Regent Inlet, aiding in the establishment of a trading post, Fort Ross, on Bellot Strait, and meeting the *Aklavik*, coming from the West, to complete a northwest passage. A series of fifteen pictures of Fort Ross, its environs, and population, appeared in *The Beaver*, Mar. 1939. Outfit 269, no. 4, p. 23-37.

Copy seen: DLC.

4996. FINNIE, RICHARD, 1906- . U. S. Army taps Canadian oil for Alaskan-based operations. (World petroleum, Nov. 1943. v. 14, no. 12, p. 32-36, 66, illus.)

General sketch of development of transportation and petroleum in the Mackenzie valley, culminating in the Canol project, 1942.

Copy seen: DLC; NNSStef.

4997. FINNIE, RICHARD, 1906- . Whither our Eskimos? (Forest and outdoors, May 1938. v. 34, p. 134-136, 155, illus.)

Popular account of the present-day plight of the Canadian Eskimos, in process of acculturation.

Copy seen: DA.

4998. FINNILÄ, CARL JOHAN, 1892-1918. Ornitologiska iakttagelser under en resa inom Sodankylä Lappmark sommaren 1913. Helsingfors, J. Simelii boktr. 1913. 52 p. fold. map. (Societas pro fauna et flora fennica. Acta, 1913-1914, pub. 1913. T. 38, no. 3) Title tr.: Ornithological observations during a trip to Sodankylä Lappmark in the summer of 1913.

Contains observations on geography, topography and climate of Sodankylä Lappmark (66°56'-68°21'N.) made by the author during his travels in that region, and a systematic enumeration of ninety-two species of birds with phenological data.

Copy seen: MH-A.

4999. FINNILÄ, CARL JOHAN, 1892-1918. Studier öfver fågelfaunan i Salla Lappmark sommaren 1914. Helsingfors, J. Simelii boktr. 1914. 72 p. 3 plates, fold. map. (Societas pro fauna et flora fennica. Acta, 1914-1915, pub. 1914. T. 39, no. 6) Title tr.: Studies of ornithology of Salla Lappmark in the summer of 1914.

Contains a brief physical and geographical survey of the Salla region (66°2'-67°41'N.); comparison of its bird fauna with that of Sodankylä Lappmark and a systematic enumeration of one hundred species of birds with ecological and phenological data.

Copy seen: MH.

5000. FINNILÄ, CARL JOHAN, 1892-1918. *Totanus stagnatilis* Behst., en för Fennoscandia ny fågel. (Societas pro fauna et flora fennica. Meddelanden, 1916-1917, pub. 1917. Häfte 43, p. 271-76) **Title tr.:** *Totanus stagnatilis* Behst., a new bird for Fennoscandia. Contains ornithological and ecological notes on *Totanus stagnatilis*, a species of tattlers, new to Fennoscandia, based on a specimen shot in June, 1913, near the village of Riesto (67°55'N.) in Kemi Lappmark.

Copy seen: MH-A.

5001. FINNILÄ, CARL JOHAN, 1892-1918. Über das Vorkommen des nordischen Laubsängers (*Phylloscopus borealis* Blas.) in finnischen Lappland. (Societas pro fauna et flora fennica. Meddelanden, 1917-1918, pub. 1918. Häfte 44, p. 14-19, plate, text map) **Title tr.:** On occurrence of a northern warbler (*Phylloscopus borealis* Blas.) in Finnish Lapland.

Contains ornithological, ecological phenological notes on a northern singing warbler (*Phylloscopus borealis*), a rare bird for this region, found in Inari and Enontekis regions of Finnish Lapland and reported from various localities of Kola Peninsula. **Copy seen:** MH-A.

5002. FINNISH TOURIST ASSOCIATION. Lapland; short guide for tourists. [Helsinki, 1938] 113 p. illus., fold. map.

Contents: general section: chapters on relief, geology, climate, flora, fauna, population and economic life, Petsamo, gleanings from the history of Lapland, the Lapps, Tourist travel section: river trips, canoe routes, fishing, highways, communities and tourist inns, hiking routes, skiing fels, reindeer-travel, tourist routes; also instructions for equipment, clothing, compass deviation, regulations on hunting, fishing, and collecting; with a glossary of Finnish and Lapp topographical terms.

Map: Northern Finland, 65°-70°N., scale 1:1,000,000 shows roads, railroads,

paths, farms, villages, buildings, and national parks. **Copy seen:** CA:MAI.

5003. FINNMARK OMKRING 1700. Aktstykke og over sikter. Oslo, A. W. Brøgger, 1932-45. 3 bd. Bd. 1: ix, 343 p.; bd. 2: [2], p. 51-327, illus., plates IV-XXXVI; bd. 3: 363 [1] p. illus. (Oslo. Universitet. Etnografiske museum. Nordnorske samlinger, 1, 4, 7) **Title tr.:** Finnmark about 1700. Documents and surveys.

Series includes descriptions of population, living conditions, economy, and administration of Finnmark, Norway, based chiefly upon hitherto unpublished materials.

Contents: bd. 1, 1. hefte (p. 1-48). [Brendel] M. B. U. *To jordebøker fra 1694*. (Two land books from 1694):

Contains: 1 (p. 1-32) Knag, Niels, Matricul oc Beschrifvelse ofuer Findmarchen for Anno 1694. (Register and description of Finnmark in the year 1694). Includes brief descriptions of parishes and settlements of Finnmark, with lists of residents; census population summaries by parishes, showing separately the number of Norwegians and of Norwegian, Russian, and Swedish Lapps; and table of distances between localities.

2 (p. 33-48). Joerde-boeg og mandtal ofuer Nordmend og Finner udj Ost og-West Findmarchen Saa og Paa grentzte Finnerme for Anno 1694. (Land book and census of Norse men and Finns of east and west Finnmark on the Finnish borders). Lists and briefly characterizes border administrative divisions and localities, and states to which county taxes are paid by each community.

Hefte 2 (p. 44-140). Brendel, M. B. U., and O. Solberg. *Topografika 1683-1717*.

Contains 1 (p. 49-65). Øst-Finnmarkens beskrivelse. (Description of east Finnmark). Lists and briefly describes numerous localities, with distances from place to place.

2 (p. 66-77). Harøe, Christen Bertelsøn, Findmarchens beschrifvelse saa uit Jeg underschrefne hafner erfahrt A°1683. (Description of Finnmark which I have written in 1683). Lists, describes, locates, and classifies the settlements.

3 (p. 78-118). Westen, Thomas von. *Topographia ecclesiastica. 2. Del: Finnmarkia. 1717*. (Ecclesiastical topography. Part 2. Finnmark 1717). Lists

and classifies the ecclesiastical divisions and subdivisions of Finnmark, and notes the distribution and occupations of the people.

4 (p. 119-33). Ex topographia ecclesiastica Findmarkiae Thomas von Westen 1717. Lists the religious missionary centers, with the number of religious personnel and their stipends, and describes briefly the character of the population in the several centers.

5 (p. 134-40). Olsen, Isak. Finnernis afgudssteder. (Lappish heathen holy places). Lists and locates one hundred twelve holy places of the Lapps ("Finns"). Olsen was a schoolteacher and missionary in Finnmark 1703-1716.

Hefte 3, (p. 141-80). Solberg, O. L. *Lindinow-kommisjonen, 1685*. (The Lindenow Commission, 1685). Summarizes (1) the statements made at hearings held at various localities in Finnmark by the Finnmark Commission under the direction of Lindenow in 1685, dealing with fishing and trade conditions; (2) developments in the economic situation from 1687 to 1690. Includes discussion of salmon fishing and trade on the Tana River.

Hefte 4. Solberg, O. *Henrich Adelaer i Finnmark, 1690*, p. 181-328. Includes information on Finnmark conditions based upon the investigations into economic, administrative and political matters by a new Finnmark commission headed by Adelaer. Includes lists of individuals who appeared at the hearings, tables of fish trading accounts of individuals, lists of bills of goods brought to Finnmark; Sakregister, etc., (p. 329-43) contains indexes of subjects, personal names, place names, and Lappish sacrificial places, etc., in all the papers in bd. 1.

Bd. 2 (hefte 2-4) - 3. Solberg, O. *Lilienskiolds Speculum boreale*. (Lilienskiold's Northern mirror). A detailed description of Finnmark based upon observations and interviews in the field by Hans Hansen Lilienskiold, who in 1684 was appointed chief administrative official of Finnmark, and in 1698 completed the manuscript here published. Includes copies of his illustrations of landscapes, people, plants, and animals of Finnmark.

Contents: Hefte 2 (p. 51-168, 17 illus., 24 plates, incl. maps). *Description of the land and the Norse and Lapp people of Finnmark*, including physical

geography, climate, population statistics, social conditions, economic life, psychological character, beliefs, and superstitions. *Maps:* Two small-scale pictorial maps of northern Finnmark.

Hefte 3 (p. 171-232, 34 illus., 11 plates). *Description of the plant and animal life of Finnmark and adjacent waters*. Includes account of reindeer raising and sea and fresh-water fishing; illustrations of plants and birds; and detailed descriptions of sea-serpents, mermen, and mermaids from "reliable" observers. Determination of plant and animal species has been made by Jens Holmboe and Alf Wollebaek.

Hefte 4 (p. 235-327, plate). *Description of domestic and foreign trading and fishing agreements and regulations, past and present*, including particularly charters and agreements of Bergen and Trondheim companies for trade with Finnmark.

Bd. 3. *Lilienskiolds Speculum boreale II* (363 p., 8 illus., 7 plates).

Contains (1) description of the rivers and the foreign borders of Finnmark, with discussion of trade regulations and military defenses; (2) analysis of tax conditions and problems; (3) description of the whaling industry and salmon fishing in the rivers, including discussion of income and regulations; (4) historical account of the governmental seats and of duties and personnel of the chief administration of Finnmark, and description of Kiolnas Castle. *Copy seen:* DSL.

5004. FINSCH, OTTO, 1839-1917. *Reise nach West-Sibirien im Jahre 1876. Auf Veranstaltung des Vereins für die deutsche Nordpolarfahrt in Bremen unternommen mit Dr. A. E. Brehm und Karl Graf v. Waldburg-Zeil-Trauchburg von Dr. O. Finsch*. Berlin, E. Wallroth, 1879. xxiii, 663, [1] p. illus., 35 plates (incl. front.) 4 maps. *Title tr.:* Journey in western Siberia in the year 1876, undertaken by Dr. O. Finsch with Dr. A. E. Brehm and Karl, Count von Waldburg-Zeil-Trauchburg, under the direction of the Bremen Committee on the German Arctic Expedition.

Narrative of the west Siberian expedition sponsored by the Bremen Geographical Society. The expedition included a trip down the Ob' River, and a one-month trip in July and August from the Ob' delta across the taiga and

tundra northward almost to Kara Bay (Baydaratskaya Guba).

Includes observations on the landscapes, aboriginal and Russian peoples, and plant and animal life, with particularly detailed descriptions of the tundra and of the Ostyak physical characteristics, fishing and reindeer economy, and material culture. *Maps* include (1) region between the Ob' delta and Kara Bay, scale 1:1,000,000, showing route of expedition; (2) general map, scale about 1:27,000,000, showing entire route of expedition in Europe and Asia. List of scientific and other articles published to date on the expedition appears at end of book.

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5005. FINSCH, OTTO, 1839-1917. Zur Ornithologie Nordwest-Amerikas. (Naturwissenschaftlicher Verein zu Bremen. Abhandlungen, 1873. Bd. 3, p. 17-86) *Title tr.:* On the ornithology of north-west America.

This fully annotated list of one hundred thirteen species of birds is based on the collection in the natural history section of the Bremen Museum. It comprises mainly results of F. H. v. Kittlitz' work during the Litke world cruise in the *Seniavin*, 1827-29. The notes show records of occurrence as reported from the Western Union Telegraph Co. Expedition to Alaska, 1865-68. The area covered is Sitka, Kodiak, south coast of Alaska, especially the southern tip of Kenai Peninsula, the islands of Bering Sea, Aleutian Islands and west coast of Alaska.

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5006. FINSCH, OTTO, 1839-1917, and ADOLF PANSCH. Vögel. (*In:* Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 178-239) *Title tr.:* Birds.

Contains an index list of the thirty-four species known from East Greenland, and detailed descriptions of the thirty-one species collected and observed by the expedition members.

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FINSCH, OTTO, 1839-1917, see also Virchow, R. Westsibirischer Schädel. 1877.

FINSTERWALDER, RICHARD, 1899-, see International Society for the Exploration of the Arctic Regions by Means of Aircraft. Luftschiff als Forschungsmittel. 1924.

5007. THE FIRST STEAMSHIP IN ARCTIC EXPLORATION. (Geographical journal, Feb. 1940. v. 95, p. 131-32)

Notes on two relics from the *Victory*, which are on display in the Museum of the Royal Geographical Society. The *Victory* was used on Sir John Ross's expedition 1829-33 to the region of Boothia Peninsula, where the vessel was abandoned.

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5008. FISCHER, ALFRED G. A belemnoid from the late Permian of Greenland. København, C. A. Reitzel, 1947. 24 p. illus., 2 plates. (Meddelelser om Grønland. Bd. 133, nr. 5)

Results of a study of material, collected by Danish East Greenland expeditions, 1926-39, under Lauge Koch, from Gael Hamke Bay region (partly on Clavering Island and partly around Cape Stosch, northern extremity of Hold with Hope). Description in detail of *Dictyoconites groenlandicus* n. sp., with a bibliography (24 items).

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5009. FISCHER, FERDINAND. Echinodermen von Jan Mayen. (*In:* International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, pub. 1886. Bd. 3, Theil 6D, p. 29-38) *Title tr.:* Echinoderms from Jan Mayen.

Annotated list, with synonymy and distribution, of twenty echinoderms (two new) collected at Jan Mayen.

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5010. FISCHER, FERDINAND. Einleitung. (*In:* International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, pub. 1886. Bd. 3, p. i-x) *Title tr.:* Introduction.

Gives the background for the zoological and botanical observations of the expedition, and lists systematically the 372 zoological species and the 70 plant species collected on Jan Mayen and neighboring waters.

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5011. FISCHER, FERDINAND, and A. von PELZELN. Vögel und Säugethiere von Jan Mayen. (*In:* International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, pub. 1886. Bd. 3, Theil 6L, p. 109-132, plate) *Title tr.:* Birds and mammals of Jan Mayen.

Annotated list of forty-six species of birds and five species of mammals collected by Dr. Fischer on and off Jan Mayen, and table listing occurrence of 166 species of birds at each of six arctic localities.

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FISCHER, FERDINAND, *see also* Becher, E. Insecten v. Jan Mayen (Int. Polar Year). 1886.

FISCHER, FERDINAND, *see also* Kliemetschek, A., & J. Sobieczky. Resultate chemischen Untersuchungen (Int. Polar Year. 1886.

FISCHER, FERDINAND, *see also* Koelbel, C. Crustaceen v. Jan Mayen (Int. Polar Year). 1886.

FISCHER, FERDINAND, *see also* Lorenz, L. Polypomedusen v. Jan Mayen (Int. Polar Year). 1886.

FISCHER, FERDINAND, *see also* Marenzeller, E. v. Poriferen (etc.) v. Jan Mayen (Int. Polar Year). 1886.

FISCHER, FERDINAND, *see also* Reichardt, H. W. Flora d. Jan Mayen (Int. Polar Year). 1886.

FISCHER, FERDINAND, *see also* Uhlig, V. Foraminiferen v. Jan Mayen (Int. Polar Year). 1886.

FISCHER, HENRI, 1865-1916, *see* Dautzenberg, P., & H. Fischer. Mollusques et brachiopodes (Belgica 1907). 1910.

FISCHER, HENRI, 1865-1916, *see also* Dautzenberg, P., & H. Fischer. Mollusques et brachiopodes Bénard. 1911.

5012. FISCHER, PAUL HENRI, 1835-1893. Mollusques marins des Iles Aleoutiennes, provenant du voyage de M. Alph. Pinart. (Journal de conchyliologie, 1873. Ser. 3, t. 13, p. 243-48) *Title tr.*: Marine molluscs of the Aleutian Islands, resulting from the voyage of M. Alphonse Pinart.

List, with references and localities, of nine species, and notes on the character of Aleutian fauna.

Copy seen: DSI-M.

5013. FISCHER, SEBASTIAN, 1806-1871. Branchiopoden und Entomostracen. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1851. Bd. 2, Theil 1, p. 149-62, double plate) *Title tr.*: Branchiopods and Entomostraca.

The ten species of crustaceans here described, from the Museum of the Imperial Academy of Sciences, include five from the Taymyr Peninsula, collected by Middendorff.

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5014. FISCHER, WILHELM, 1858-. Gephyreen der arktischen Meere. (Untersuchungsfahrt Reichsforschungsdampfers "Poseidon" in das Barentsmeer im Juni und Juli 1913) (Wissenschaftliche Meeresuntersuchungen, 1922, Neue Folge, Bd. 13, Abt. Helgoland, p. 229-46, illus., table) *Title tr.*: Gephyreans of the Arctic Ocean. (Research expedition of the research steamer *Poseidon* in Barents Sea, June and July 1913).

Based on the collections of Drs. Römer and Schaudinn in the *Olga* and *Helgoland*, 1898, in the Spitsbergen region, as well as those of the *Poseidon*, 1913. A list, with synonymy, localities, extended descriptions, and notes on variations, of the six species of marine worms found by the three vessels in Barents Sea, Svalbard waters and the sea around West Spitsbergen; a list, with circumpolar distribution of thirteen gephyreans known to occur in arctic seas; and a bibliography.

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5015. FISCHER, WILHELM, 1858-. Die Sipunculiden, Priapuliden und Echiuriden der Arktis. (In: Fauna arctica, 1928. Bd. 5, p. 451-90, illus., plate, table) *Title tr.*: Sipunculida. Priapulida and Echiurida of the Arctic.

Contains remarks on the taxonomic position of these three orders of annelid worms; full descriptions, synonymy, references, and locations (of specimens from stations of the German Expedition to the Arctic Ocean, 1898, also other arctic locations) for nine species of sipunculids, three species of priapulids, and two species of echiurids; a brief summary of distribution in circumpolar seas, and a bibliography (47 items).

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5016. FISCHER de WALDHEIM, GOTTHELF, 1771-1853. [La description de quelques coléoptères nouveaux]. (Moskovskoe obshchestvo ispytatelei prirody. Bulletin', 1829, T. 1, no. 11, p. 368-70, plate)

Contains Latin diagnoses of six new species of beetles (Coleoptera) includ-

ing *Carabus ehrenbergii*, native to Kamchatka Peninsula. **Copy seen:** MH-A.

5017. FISCHER DE WALDHEIM, GOTTHELF, 1771-1853. Sur une nouvelle espèce de canard du Kamtschatka. (Moskovskoe obshchestvo ispytatelei prirody. Büulleten' 1831. T. 3, p. 278-80) **Title tr.:** On a new species of duck from Kamchatka.

Contains a list of five species of birds collected in Kamchatka by J. Kuzmishchev, including Latin diagnosis of *Anas cucullata* (canard à capuchon), a new species of ducks, with critical notes.

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5018. FISCHER-MØLLER, KNUD. The mediaeval Norse settlements in Greenland; anthropological investigations. København, C. A. Reitzel, 1942. 82, [2] p., 21. 11 illus., tables, diagrs. 22 plates. (Meddelelser om Grønland. Bd. 89, nr. 2)

Contains description of skeletons, cranial measurement tables and discussion of physical characteristics of the Norsemen who inhabited the colony "Vesterbygdén" (Western Settlement, in the present Godthaab District) during the 13th and 14th centuries; discussion of disease and physical degeneration, stature, age determination, and hybridization (result of Norse-Eskimo interbreeding); bibliography (22 items).

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5019. FISCHER-MØLLER, KNUD. Skeletal remains of the Central Eskimos. Copenhagen, Gyldendal, 1937. 96 p. incl. illus., tables, diagrs., plates. (Thule Expedition. 5th, 1921-24. Report. v. 3, no. 1)

Contents: Measurements of skulls and skeletons excavated at Repulse Bay, a few at Baffin Island, and one at Southampton Island. Bibliography, p. 95-96.

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5020. FISCHER-MØLLER, KNUD. Skeletons from ancient Greenland graves, København, C. A. Reitzel, 1938. 29, [1] p. illus. (Meddelelser om Grønland. Bd. 119, nr. 4)

Deals with the long extremity bones from graves in northeast, southeast and West Greenland.

Copy seen: CA:MAI.

FISCHER-MØLLER, KNUD, see also Brüste, K., & K. Fischer-Møller. Mediaeval Norsemen Gardar; anthrop. invest. 1944.

5021. FISHER, ALEXANDER. Journal of a voyage of discovery, to the arctic regions, performed between the 4th of April and the 18th of November, 1818, in H.M.S. Alexander. Wm. Edw. Parry, Esq. Lieut. and Commander. By an officer of the Alexander. London [1819] viii, 104 p. diagrs., fold. map. (In: Phillips, Sir Richard, publisher. New voyages and travels. London, 1819-23. v. 1, no. 1) Written by Alexander Fisher, assistant surgeon of the expedition.

Account of the British government expedition under Captain (later Sir) John Ross on the *Isabella* and the *Alexander*, to explore for a Northwest Passage and the North Magnetic Pole, and to make pendulum observations in high latitudes. Describes the voyage up the east side of Davis Strait and Baffin Bay to the entrance of Smith Sound, the Eskimos, sea mammals, ice conditions, coasts, etc.

Appendices: 1. List of officers of both vessels.

2. Copy of the paper committed to the sea on Monday, May 4th, 1818. (drift bottle)

3. Copy of a letter or journal, from Mr. William Baffin to Mr. Sanderson . . . (concerning his voyage, during which Digges Cape and Jones Sound were named)

4. Orders relative to objects of natural history.

5-7. Weather observations, Aug. 1818.

8. Brief sketch of the quadrupeds, birds, and fishes seen. (Four land mammals, fourteen birds, three whales, one seal)

Copy seen: CaO.

5022. FISHER, ALEXANDER. A journal of a voyage of discovery to the arctic regions, in His Majesty's ships Hecla and Griper, in the years 1819 & 1820. London, Longmann, Hurst, Rees, Orme, and Brown, 1821. 2 p. l., [vii]-xi, 320 p. illus., 2 maps (incl. fold. front.)

Four editions were published in London, 1821, without change of text, excepting typographic corrections.

Journal by an officer on Wm. E. Parry's expedition, a full description of which appears in this Bibliography under Parry, Sir W. E. *Journal of a voyage for the discovery of a North-West Passage* [etc.] pub. 1821-24, q.v.

Fisher gives especially useful remarks on natural history, and ice conditions.

Appendices: 1. Lists of officers and ships' companies.

2. List of nautical, astronomical, meteorological, and other instruments.

3. Maximum, minimum, and mean temperature of the air in the shade, and height of barometer; together with latitude and longitude at noon, daily, May 11, 1819–Sept. 30, 1820.

Copy seen: DLC (2d.-4th. ed.); NNNStef (1st ed.)

FISHER, ALEXANDER, *see also* De-faucoupret, A. J. B. Voyage vers pôle arctique 1818. 1819.

5023. FISHER, CHURCHILL. Homer on the Inlet. (Alaska sportsman, Oct. 1938. v. 4, no. 10, p. 14–15, 20–21, illus.)

Description of the country, farming, people and their way of life in the town and vicinity of Homer on Cook Inlet, southwestern Alaska.

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5024. FISHER, CHURCHILL. Kenai's "Hope." (Alaska life, Jan. 1945. v. 8, no. 1, p. 50–56, illus.)

Description of the village of Hope (about 61°N. 149°45'W.) its gardens, school, history and way of life.

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5025. FISHER, CHURCHILL. Little red schoolhouse carries on. (Alaska life, July 1943. v. 6, no. 7, p. 45–49, illus.)

General remarks on history, administration, distribution, pupils and teachers of the rural schools of Alaska.

Copy seen: DLC.

5026. FISHER, CHURCHILL. My home is in the valley. (Alaska sportsman, Dec. 1945. v. 11, no. 12, p. 12–13, 28–30, illus.)

Description of Matanuska valley and its inhabitants before the resettlement project beginning in 1935.

Copy seen: DLC.

5027. FISHER, CHURCHILL. Nenana on the Tanana. (Alaska sportsman, Feb. 1943. v. 9, no. 2, p. 10–11, 24–26, illus.)

Account of the author's visit to Nenana, and an explanation of the methods used in the Alaska Ice Pool for determining official time of the break-up of ice on the river.

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5028. FISHER, CHURCHILL. The pickin's fun. (Alaska life, Aug. 1943. v. 6, no. 8, p. 54–58, illus.)

Notes on berries of Alaska and ways to use them.

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5029. FISHER, CHURCHILL. Their sun still rises. (Alaska sportsman, July 1938. v. 4, no. 7, p. 10–11, 25–26, illus.)

Nostalgic article on the Matanuska valley and its "early" settlers, before the colonization project of 1935 began.

Copy seen: DLC.

5030. FISHER, CHURCHILL. They give their strawberries away. (Alaska life, v. 7, no. 5, p. 22–26, illus.)

Sketch of one of the pioneer farmers of the Homer region, Alaska, and of the development of that community.

Copy seen: DLC.

5031. FISHER, EDNA MARIE, 1897– A fractured femur of the Alaskan river otter. (Journal of mammalogy, Nov. 1933, v. 14, p. 362–65, illus.)

Detailed anatomical study of a specimen from Yakutat Bay region.

Copy seen: DSI-M.

5032. FISHER, EDNA MARIE, 1897– The sea otter, past and present. (Pacific Science Congress. 6th, 1939. Proceedings, 1940. v. 3, p. 223–36, tables)

History of trade in other furs of the major nations, the animals ranging in waters from northern Japan around the North Pacific coasts of Asia and America to southern California; table of data on skins taken, 1727–1938; and a bibliography (40 items).

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5033. FISHER, GEORGE. Abstract of experiments to determine the velocity of sound, at low temperature. (*In:* Parry, Sir W. E. Journal of a second voyage . . . 1821–23. Appendix 1825. p. 237–39, incl. table)

Contains tabular data showing weather conditions, length of base, time intervals, and computed velocities, with brief discussion.

Copy seen: DLC.

5034. FISHER, GEORGE. An abstract of the variation, dip, &c. observed on shore at the winter station upon Winter Island, 1821–2 [and] . . . Island of Igloodik, 1822–3. (*In:* Parry, Sir W. E. Journal of a second voyage . . . 1821–23. Appendix, 1825. p. 263–84, incl. tables)

Contains results of daily observations made irregularly, Oct. 1821-June 1822 at 66°32'N.84°W., and Nov. 1822-July 1823 at 69°24'N. 81°49'W.

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5035. FISHER, GEORGE. On the analysis of the atmospheric air from the polar regions. (*In:* Parry, Sir W. E. Journal of a second voyage . . . 1821-23. Appendix, 1825. p. 240)

Results of laboratory experiments on two bottles of air brought back by the expedition, show a lower oxygen content for arctic air.

Copy seen: DLC.

5036. FISHER, GEORGE. On the atmospheric refraction. (*In:* Parry, Sir W. E. Journal of a second voyage. 1821-23. Appendix, 1825. p. 163-235, incl. 47 p. tables)

Contains discussion of methods and results of determinations of the amount of atmospheric and terrestrial refraction at low temperatures.

Copy seen: DLC.

5037. FISHER, GEORGE. On the effect of cold upon the gases and different substances. (*In:* Parry, Sir W. E. Journal of a second voyage . . . 1821-23. Appendix, 1825. p. 241-62)

Discussion of observations of thirteen gases, the expansion of air, expansion of cast iron, wrought iron, steel, hammered copper, cast brass, and plate brass; the contraction of mercury and alcohol; and the freezing point of distilled mercury and its amalgams of lead, tin, silver and zinc.

Copy seen: DLC.

5038. FISHER, GEORGE CLYDE, 1878-1949. Alpine wild flowers of arctic Lapland. (Natural history, Nov.-Dec. 1924. v. 24, p. 659-64, illus., 8 plates)

General description of plants found in Swedish Lapland.

Copy seen: DLC; NNSStef.

FISHER, HARRY, see Brice, A. J. M., & H. Fisher. Jackson-Harmsworth Polar Expedition, 1896.

FISHER, HARRY, see also Jackson, F. G. & others. Three years' exploration Franz Josef Land. 1898.

FISHER, JAMES, see Hartley, C. H., & J. Fisher. Marine foods of birds. 2. Birds. 1936.

5039. FISHER, JOEL E. Forbes' and Alaskan "dirt" bands on glaciers and their origins. (American journal of science, Mar. 1947. v. 245, p. 137-45, illus., 8 plates)

Description and discussion of theories concerning the origin of the two types of bands appearing on glaciers.

Copy seen: DLC.

5040. FISHER, ROBERT BURNS, 1897- , and others. Paligorskite a possible asbestos substitute. Washington, 1945. 5 p. (U. S. Bureau of Mines. Information circular. No. 7213) Other authors: Robert L. Thorne and H. Corbin Van Cott.

Description of the mineral and of the deposit on Lemesurier Island in the Glacier Bay area of southeastern Alaska.

Copy seen: DGS.

5041. FISHER, WALTER KENRICK, 1878- . Hydrocorals of the North Pacific Ocean. (U. S. National Museum. Proceedings, 1937, pub. 1938. v. 84, p. 493-554, 43 plates on 22 l.)

Based on collection in the U. S. National Museum, and on scattered specimens elsewhere, a general discussion of hydrocorals, their occurrence, etc., and detailed descriptions of some thirty forms, mainly new species. Bibliography, p. 546-47.

Copy seen: DLC.

5042. FISHER, WALTER KENRICK, 1878- . New starfishes from deep water off California and Alaska. (U. S. Fish and Wildlife Service. Bulletin of the U. S. Fish Commission, 1904, pub. 1905. v. 24, p. 291-320)

Of the twenty-four new species described here, three are from the waters of Southeast Alaska.

Copy seen: DF.

5043. FISHER, WALTER KENRICK, 1878- . *Trophodiscus*, a new sea star from Kamchatka. (U. S. National Museum. Proceedings, 1916 pub. 1917. v. 52, p. 367-71, 3 plates)

Description of a new genus and species of star fish from waters off the southeast coast of Kamchatka.

Copy seen: DLC.

5044. FISHER, WARREN SAMUEL, 1878- . A new anobiid beetle from Alaska. (Washington. Academy of Science. Journal, Jan. 1938. v. 28, p. 26-27)

Description of a new species, *Hadrobregmus destructor*, n. sp. from Sitka,

Alaska, where this beetle was damaging wooden articles in the museum.

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5045. FISHER, WILLIAM J. Catalogue of a collection of ethnological specimens obtained from the Ugashagmut tribe, Ugashak River, Bristol Bay, Alaska. U. S. National Museum. Proceedings, 1883, pub. 1884. v. 6, p. 161-65)

List (giving Eskimo and English names) of ninety implements, ornaments, etc., sent to the U. S. National Museum from several Eskimo and Indian settlements on Alaska Peninsula and islands south and eastward.

Copy seen: DLC.

5046. FISK, HARLAN WILBUR, 1869-1932. Isomagnetic charts of the arctic area. (American Geophysical Union. Transactions, 1931. v. 12, p. 134-39, illus.)

Description of the manner in which the Dept. of Terrestrial Magnetism of the Carnegie Institution drew up preliminary charts for the Second International Polar Year research.

Copy seen: DLC.

5047. FITTON, EDITH M. The climates of Alaska. (U. S. Weather Bureau. Monthly weather review, May 1930. v. 58, p. 85-103, illus., diagrs.)

In this study the climatological characteristics have been tabulated and reviewed for four main regions of Alaska: Pacific coast and islands, the Bering Sea coast, the arctic coast and the interior. Bibliography (46 items).

Copy seen: DLC.

5048. FITTON, WILLIAM HENRY. Geological notice on the new country passed over by Captain Back during his late expedition. (*In:* Back, Sir G. Narrative of the Arctic Land Expedition, 1836. Appendix 4. p. 543-62)

Sketch of geologic characteristics of the country from Great Slave Lake to the estuary at the mouth of the Back River, based upon notes by George Back from his expedition of 1833-35 in north central Canada.

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5049. FITZ, FRANCES ELLA. Lady Sourdough, by Frances Ella Fitz, as told to Jerome Odum. New York, Macmillan Co., 1941. 6 p. 1., 319 p. front., illus. (facsim.) 7 plates, ports.

The story of a stenographer who spent six years in the Nome region, 1900-1906, and successfully mined for gold.

Copy seen: DLC; NNSbef.

5050. FIVEG, M. P., and others. Razvedka kukisvunchorri-üksporskoi linzy. (*In:* Khibinskie apatity, 1932. T. 2, p. 355-64, tables) *Other authors:* S. A. Stupakov and L. P. Antonov. *Title tr.:* Exploration of the Kukisvumchorr and Yukspor lens.

Account of the investigation of the apatite-nepheline ore body in the central part of the Khibina massif by a survey party of the Kola Expedition in 1930. Tables show the phosphorus pentoxide content in samples from various bore holes.

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5051. FIVEISKII, D. A. Prokhodka i kreplenie shakhtnykh stvolov v vech-nomerzloi tolsheche evropeiskogo severa SSSR. (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1944. T. 6, p. 86-168, 41 illus., 43 tables) *Title tr.:* Shaft sinking in permanently frozen ground in the northern part of European U.S.S.R.

Contains technical material, based on the author's experiences, intended for the use of mining engineers, relative to the problems of shaft sinking under permafrost conditions in the Vorkuta coal deposit area; information on methods used, rate of progress in various types of ground, influence of ground and air temperature; detailed description of timbering (diagrams, influence of moisture content, granulometric composition of the ground, air temperature, etc.); data on use (in mine construction) of explosives, pneumatic equipment and steam, also of concrete in blocks and for lining (graphs show relationship of ground and concrete temperature); methods of controlling the sliding of thawed ground during summer; series of specific recommendations. *Copy seen:* NN.

FJELD, EYVIND, see Broch, O. J., & others. På ski over Spitsbergen. 1929.

5052. FJELDSTAD, JONAS EKMAN, 1894- Contribution to the dynamics of free progressive tidal waves. Bergen. John Grieg, 1929. 80 p. (*Maud Expedition, 1918-1925, Scientific results.* v. 4, no. 3)

Theoretical study, based on observations made by the *Maud Expedition*.

1918-21, and used by the author in his final discussion of the expedition's complete tidal observations, *Results of tidal observations*, 1936, q.v. The author's theory takes into account the influence of the earth's rotation and the eddy viscosity, and treats waves whose periods are of about 12 hours.

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5053. FJELDSTAD, JONAS EKMAN, 1894- . Results of tidal observations. Bergen, John Grieg, 1936. 88 p. incl. tables. 2 sketch charts, diagrs. (*Maud Expedition, 1918-1925. Scientific results.* v. 4, no. 4)

Based on observations at four localities along the Siberian coast, and on hourly soundings and current measurements on the Siberian Shelf. Discussion of results of harmonic analyses, hourly soundings and current measurements; a theory of tidal currents including influence of eddy viscosity, and interval waves. Includes a compilation of all available harmonic constants in arctic regions, with a discussion of the semi-diurnal tides of the Arctic Ocean, and a bibliography (13 items).

Tables: 1. Harmonic constants for the arctic region.

2-5. Extract of observations at Cape Chelyuskin (*Maud Harbour*) Dec. 1918-Mar. (7) 1919; Ayon Island (69°-50'N. 169°E.) Oct. 1919-May 1920; Cape Serdze Kamen (66°53'N. 171°30'E.) Dec. 1920, Mar. 1921, May 1921; and Chetyrekhtolbovoy (Four Pillars) Island, Oct. 1924-Apr. 1925.

6-7. Hourly soundings 1923-24.

Copy seen: DN-HO; DSI-M.

5054. FJELDSTAD, JONAS EKMAN, 1894- . Results of tidal observations at Brandy Bay, North East Land. (Oxford University Arctic Expedition 1936). Norsk geografisk tidsskrift, 1938. Bd. 7, hefte 5-8, p. 113-20, illus., tables, diagrs.)

Discussion of tidal observations March-July, 1936, and of harmonic constants; tables of hourly values March, 1936, and daily measurements July 4-11, 1936, at Brandy Bay (Brennevisfjorden, 80°10'N. 19°30'E.)

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5055. FJELDSTAD, JONAS EKMAN, 1894- . Snow and ice temperatures. Scientific results of the Swedish-Norwegian Arctic Expedition . . . 1931. Pt.

9. (Geografiska annaler, 1933. Årg. 15, p. 296-315)

A study of the heat balance of glaciers based on observations made during the sledge journey of the glaciological party of the expedition, and on earlier observations.

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5055A. FJELDSTAD, JONAS EKMAN, 1894- . Windstrom in einem eisbedeckten Meere. (Zeitschrift für angewandte Mathematik und Mechanik, Okt. 1933. Bd. 13, p. 348-55) *Title tr.:* Wind current in an ice covered sea.

The problem of a wind propelled current is discussed, taking into account the influence of a floating ice crust but otherwise under assumptions similar to those made by Ekman (in his fundamental paper *Om jordrotationens inverkan på vindströmmar i hafvet*, 1902, q.v.) The mathematical theory of the solution is presented in detail, and its result illustrated by a numerical example. For an ice crust of 3 m. thickness the author finds that with a steady wind there results an angle of deviation between wind and wind current of 53.8°, instead of the 45° deviation given by the classic Ekman theory for a free water surface. No attempt is made to resolve the apparent contradiction between the new result and observations at sea, nor to compare the other conclusions obtained from the new theory with available observational data. *Copy seen:* DLC.

FJELDSTAD, JONAS EKMAN, 1894-, see also Kjaer, R., & J. E. Fjeldstad. Tidal observations in Arctic. 1934.

FLAHERTY, Mrs. FRANCES HUBBARD, see Flaherty, R. J. My Eskimo friends. 1924.

5056. FLAHERTY, ROBERT JOSEPH, 1884-1951. The Belcher Islands of Hudson Bay: their discovery and exploration. (Geographical review, June 1918, v. 5, p. 433-58, illus., 5 maps)

Results of the four Sir William Mackenzie Expeditions, 1910-1916, sent out to investigate iron ore deposits on Nastapoka Islands along the eastern coast of Hudson Bay (56°-57°30'N.) Flaherty gives here brief narratives of these expeditions, and (in detail) an account of his exploration of the Belcher Islands carried out (mainly) 1915-16; with notes on topography, lakes, har-

bors and ice conditions, climate, plant and animal life, minerals, and the Eskimos. Includes discussion of early explorations and maps (with reproductions) and extracts from middle 19th century letters of a Hudson's Bay Co. employee concerning the Eskimos of the Belcher Islands. *Copy seen:* DLC.

5057. FLAHERTY, ROBERT JOSEPH, 1884-1951. My Eskimo friends, "Nanook of the North", by Robert J. Flaherty, in collaboration with Frances Hubbard Flaherty. Garden City, N. Y., Doubleday, Page & Co., 1924. 8 p. l., 170 p. col. front., illus., plates (part col.) fold map.

Popular account (in brief) of the author's trip (for Sir Wm. Mackenzie and the Canadian Northern Railway) to explore the possibility of iron ores on Nastapoka Islands off the Quebec coast of Hudson Bay between Little Whale and Leaf Rivers, 1910; and (in more detail) a voyage from Newfoundland (wintering 1913-14 at Amadjuak, Baffin Island) to explore the Belcher Islands in Hudson Bay. Part 3, *Exploration of northern Ungava*, describes his experiences Mar.-July 1912, crossing Ungava Peninsula eastward by Lake Minto and Leaf River, and westward by Payne and Povungnituk Rivers (at about 60°N.). The author discusses mainly travel conditions and conversations with his Eskimo companions. Part 4, *Films*, tells of his filming of Eskimos on south Baffin Island 1913-14, on Belcher Islands, 1914-15, and later, 1920-21, on the east coast of Hudson Bay, the making of his motion picture "Nanook of the North."

Copy seen: DLC.

5058. FLAHERTY, ROBERT JOSEPH, 1884-1951. Two traverses across Ungava Peninsula, Labrador. (Geographical review, Aug. 1918. v. 6, p. 116-32, illus., fold. map)

Results of the second Sir William Mackenzie Expedition, 1911-12. Notes on a sledge journey from White Whale Point (Hudson Bay) eastward via Lake Minto and Leaf River to Leaf Gulf on Ungava Bay, Mar.-Apr. and from Payne Bay (Ungava Bay) westward to Povungnituk Bay (Hudson Bay) via Payne and Povungnituk Rivers, June-July, making a magnetic compass survey of the routes (with map). Includes descriptions of the

lakes and rivers, the routes, the bays, and the Ungava coast, with remarks on the Eskimos. *Copy seen:* DLC.

5059. FLAHERTY, ROBERT JOSEPH, 1884-1951. Wetalltook's Islands I-II. (World's work, Jan.-Mar. 1923. v. 45, p. 324-26, 422-33, 538-53, illus., 5 sketch maps)

Popular account of the author's expeditions commissioned by Sir William Mackenzie, 1912-16; his discovery of the Belcher Islands, whose extent was drawn to Flaherty's attention by the Eskimo Wetalltook. Includes remarks on the Eskimos of the east coast of Hudson Bay. *Copy seen:* DLC.

5060. FLEISCHER, JENS C. P. v. Af en gammel grønlaenderes livserindringer. (Grønlandske selskab. Aarskrift, 1919. p. 90-102, illus.) *Title tr.:* From the recollections of an old Greenlander.

Contains childhood remembrances from West Greenland; account of school years in Denmark; efforts towards establishment of fisheries; influence among Eskimos and Danes, etc., with introduction by Knud Rasmussen.

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5061. FLEISCHMANN, MAX C. After big game in Arctic and Tropic; a sportsman's notebook of the chase off Greenland and Alaska; in Africa, Norway, Spitzbergen and the Cassair. Cincinnati, Jennings & Graham, 1909. 6 p. l., 15-[248] p., front., illus.

Contains journal of a cruise in 1906 in Greenland Sea, from Norway to Jan Mayen, Bear Island, West Spitzbergen and the waters off East Greenland, collecting birds, reindeer, and polar bear. Includes notes on ice conditions; also on bear hunting on islands of Southeast Alaska in 1908.

Copy seen: NNStef.

FLEISHMAN, S. S., *see* Gusev, A. I. & S. S. Fleishman. Geologiči i poleznye iskopaemye Kharaulakskogo khrebita. 1938.

5062. FLEMING, ARCHIBALD LANG. *Bishop of the Arctic, 1883-*. Brief history of missions to the Canadian Eskimos. Toronto, Bishop Strachan School, 1929. 9 p. sketch map.

Contains dates and localities of missions in regional arrangement, followed by a chronological summary.

Copy seen: NNStef.

5063. FLEMING, ARCHIBALD LANG, *Bishop of the Arctic, 1883-*. Dwellers in arctic night. Westminster Society for the Propagation of the Gospel in Foreign Parts, 1928. x, 166 p. 48 plates (incl. map)

General description of life among the Eskimos of Canada and the hardships of the trail, with a map showing distribution of the tribes of Eskimos.

Copy seen: NNSStef.

5064. FLEMING, ARCHIBALD LANG, *Bishop of the Arctic, 1883-*. Perils of the polar pack, or The adventures of the Reverend E. W. T. Greenshield . . . of Blacklead Island, Baffin Land. Toronto, Missionary Society of the Church of England [1932]. 175 p., 8 plates, fold. map.

Account of missionary work among Cumberland Sound Eskimos, 1901-13, with description of incidents of cruising the Sound in bad ice conditions.

Copy seen: NNSStef.

5065. FLEMING, ARCHIBALD LANG, *Bishop of the Arctic, 1883-*. Twilight. [Toronto, Church House, 1941?] 15 p. illus.

Account of the bishop's tour of the Canadian Western Arctic, visiting Church of England in Canada missions in the Mackenzie valley, and along the arctic coast to Coppermine and Cambridge Bay.

Copy seen: CaMAI.

5066. FLEMING, ARCHIBALD LANG, *Bishop of the Arctic, 1883-*. War in the Arctic. [Toronto, Church House, 1941?] 15 p. illus., sketch map (back cover).

Account of the bishop's tour on the *Nascopie*, 1940, of the Church of England in Canada missions and hospitals in the Canadian Eastern Arctic. Stops were made along the Labrador coast and on Baffin and Ellesmere Island.

Copy seen: CaMAI.

5067. FLEMING, JOHN, 1785-1857. List of zoophytes. (*In:* Parry, Sir W. E. *Journal of a second voyage* . . . 1821-23. Appendix, 1825. p. 431-32)

Annotated list of ten coelenterates and two sponges found on the surface, in Hudson Strait.

Copy seen: DLC.

5068. FLEMING, JOHN ADAM, 1877-. The proposed Second International Polar Year, 1932-1933. (*Geographical review*, 1932. v. 22, p. 131-34, diagr.)

Includes a sketch map of the proposed stations.

Copy seen: DLC.

FLEMING, JOHN ADAM, 1877-, *see also* Rose, D. C., & others. Special physical problems (program). 1946.

5069. FLEMING, WILLIAM LAUNCELOT SCOTT, 1906-. Geology, geomorphology and glaciology. E. Glaciology: the New Friesland ice sheet. The Oxford University Expedition to Spitsbergen, 1933. Appendix 1. (*Geographical journal*, Aug. 1934. v. 84, p. 120-21)

Preliminary statement of scientific work done by the expedition, consisting of a brief sketch of the form of the ice-sheet and remarks on the glaciers.

Copy seen: DLC.

5070. FLEMING, WILLIAM LAUNCELOT SCOTT, 1906-, and J. M. EDMONDS. Geology, geomorphology and glaciology. A. New Friesland. The Oxford University Expedition to Spitsbergen, 1933. Appendix 1. (*Geographical journal*, Aug. 1934. v. 84, p. 116-17)

Preliminary statement of scientific work of sledge party A, containing a sketch of the geology, especially that part of New Friesland lying north of the southern end of Lomme Bay.

Copy seen: DLC.

5071. FLEMING, WILLIAM LAUNCELOT SCOTT, 1906-, and J. M. EDMONDS. Hecla Hoek rocks of New Friesland (Spitsbergen). (*Geological magazine*, Nov.-Dec. 1941. v. 78, p. 405-428, map, diagr.)

Based on the authors' observations, 1933, on the northeastern peninsula of West Spitsbergen bounded on the west by Wijde Fiord, on the east by Hinlopen Strait and Lomme Fiord, on the south by the Stubendorff Mts. Report on a study of transition zone between the Hecla Hoek rocks and the more highly metamorphosed belt of the Murchison Bay formation.

Copy seen: DGS.

5072. FLEMING, WILLIAM LAUNCELOT SCOTT, 1906-, and O. GATTY. Geology, geomorphology and glaciology. D. Geomorphology: Surface markings. The Oxford University Expedition to Spitsbergen, 1933. Appendix 1. (*Geographical journal*, Aug. 1934. v. 84, p. 119-20)

Preliminary statement of scientific work of sledge party A, reporting ob-

servations on polygonal markings in northern New Friesland and at the base camp on the east side of Klaas Billen Bay.

Copy seen: DLC.

FLEMING, WILLIAM LAUNCELOT SCOTT, 1906-, *see also* Gatty, O., & others. Some types polygonal surface markings Spitsbergen. 1942.

FLEMING, ZOE W., *see* Kuitunen-Ekbaum, E., & Z. W. Fleming. Note on trichinosis in dogs. 1949.

FLEROV, ALEKSANDR FEDOROVICH, 1872-, *see* Fedchenko, B. A., & others. Illüstrirovannii opredelitel' rastenii Sibiri. 1909.

5073. FLEROV, B. K. Presnovodnye vodorosli Belush'ego poluoostrova na Novoï Zemle. (Morskoï nauchnyi institut. Trudy, 1925. T. 1, vyp. 12, p. 13-47) *Title tr.*: Fresh-water algae of the Belushi Peninsula, Novaya Zemlya.

Contains separate surveys of various lakes of Belushi Peninsula of Novaya Zemlya (71°N. 52°E.), with lists of typical fresh-water algae, collected by the expeditions of Floating Marine Scientific Institute, in 1923 and 1924, systematic list of one hundred sixty-nine species. Summary in French.

Copy seen: DF; NNM.

5074. FLEROV, B. K. Raspreделение vodoroslei u beregov Novoï Zemli. (Gosudarstvennyi okeanograficheskii institut. Moskva. Trudy, 1932. T. 2, vyp. 1, p. 7-45, 76-88, illus., maps (incl. 2 fold.), tables) *Title tr.*: Distribution of algae along the shores of Novaya Zemlya.

Result of analysis of algae collected by the author during the expeditions of the Marine Scientific Institute, 1921-27. Contains a review of the literature, brief description of the bays investigated, and characteristics of their algae vegetation in the littoral, sublittoral, and ellittoral (farther from shore) zones (especially Belush'ya, Zabludyashchaya and Shubert Bays), with map showing distribution. Discussion of the origin of algae vegetation of Novaya Zemlya and comparative tables showing occurrence of similar algae in other arctic regions. Summary in French, p. 76-88.

Copy seen: DF; NN.

5075. FLEROV, B. K., and N. V. KARSAKOVA. Spisok vodoroslei Novoï Zemli (Gosudarstvennyi okeanografich-

eskii institut, Moskva. Trudy, 1932. T. 2, vyp. 1, p. 46-73) *Title tr.*: List of algae of Novaya Zemlya.

A catalog (with annotation and data on geographical distribution) of 115 species of algae, based on specimens collected at various depths along the shores of Novaya Zemlya by the expeditions of the Marine Scientific Institute, 1921-27, and worked up by the Dept. of Morphology and classification of plants of Moscow University. Summary in French.

Copy seen: NN.

5076. FLEROV, B. K., and N. V. KARSAKOVA. Vodorosli iugo-vostochnoi chasti Barentsova moria. Moskva, 1925. 17 p. fold. map. (Morskoï nauchnyi institut. Trudy, t. 1, vyp. 15) *Title tr.*: Algae of the southeastern part of Barents Sea (Pechora Sea).

Contains a systematic list of thirty-four species of marine algae collected by three expeditions of Floating Marine Scientific Institute in the *Malygin* and the *Persei*, in southeastern part of Barents Sea (Pechora Sea). Includes general description of algal flora. Summary in French.

Copy seen: DLC; NNM.

FLEROV, B. K., see also Morskoï nauchnyi institut. Otcheti nachal'nikov 1-8 ekspeditsii. 1926.

FLEROV, B. K., see also Morskoï nauchnyi institut. Otcheti nachal'nikov 9-17 ekspeditsii. 1930.

5077. FLEROV, KONSTANTIN K. Kopytnye (ungulata) arkticheskikh stran (*In*: Smirnov, Nestor A. Zveri Arktiki, 1935. p. 105-263, illus.) *Title tr.*: Ungulata of the arctic countries.

Basic morphological study of hoofed mammals of the northern regions of Eurasia and America. Discussion and descriptive notes on various species of deer, moose, reindeer, musk oxen, bison, goats; their geographical distribution, external characteristics, mode of life, food, propagation, etc. Keys to the families, genera, and species, p. 136-47. Brief outline of ungulates in North America, p. 247-63. Numerous bibliographical references and footnotes throughout.

Copy seen: DLC.

5078. FLEROV, KONSTANTIN K. Review of the palaearctic reindeer or caribou. (Journal of mammology, Nov. 1933. v. 14, p. 328-38, illus., sketch map)

Taxonomic review, with descriptions of three species, and six (including two new) subspecies, ranging from Kamchatka across Siberia to Novaya Zemlya, northern Scandinavia, and West Spitsbergen.

Copy seen: DSI-M.

FLETCHER, ALICE C., *see* Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

FLETCHER, JAMES, 1852-1908, *see* Dawson, G. M. Report on exploration in Yukon district, 1887. 1888.

FLETCHER, JAMES, 1852-1908, *see* also Keele, J. Report on upper Stewart R. Yukon. 1906.

FLETCHER, JAMES, 1852-1908, *see* also Low, A. P. Report on explorations in Labrador Pen. 1892-95. 1896.

FLETCHER, JOEL E., *see* Anderson, A. B. C., & others. Soil-moisture conditions frozen soils. 1942.

5079. FLETIAUX, EDM. Entomologische Ergebnisse der schwedischen Kamchatka-Expedition 1920-1922. 5. Elateridae. [Stockholm, 1925] 1 p. (Arkiv för zoologi. Bd. 18B, no. 1) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-1922. 5. Elateridae.

List, with localities, of nine species of beetles.

Copy seen: DSI-M.

5080. FLIGHT, WALTER. Meteoric irons found August, 1870. Ovifak (or Vigfak) near Godhavn, Kekertarsuak or Island of Disko, Greenland, lat. 69°19'30"N. long. 54°1'22"W. (Geological magazine, 1875. Decade 2, v. 2, p. 115-23, 152-57, plate)

Discussion of the meteorites, discovered by Nordenskiöld during the Swedish Expedition to Greenland in 1870, and investigated and brought to Europe by the Swedish Expedition to Greenland, 1871, largely drawn from papers by Nordenskiöld, Nauckhoff (the geologist of the 1871 expedition), Daubrée and Wöhler.

Copy seen: DLC.

5081. FLINK, GUSTAF, 1849-1931. Berättelse om en mineralogisk resa i Syd-Grönland sommaren 1897. (Meddelelser om Grönland, 1898. 15. hefte, p. 221-87, plates VIII-IX) *Title tr.*: Account of a mineralogical journey in south Greenland during the summer of 1897.

Account of the journey in the Julianehaab and Ivigtut regions of southwest Greenland, and remarks on fifty-four minerals collected on the trip. Summary in French, p. 408-416.

Copy seen: DLC.

5082. FLINK, GUSTAF, 1849-1931. Mineralogische Notizen. 1. Ueber den Synchysit von Narsarsuk in Süd-Grönland, ein Mineral, welches für Parisit gehalten wurde. (Upsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1900. Bd. 5, p. 81-87) *Title tr.*: Mineralogical notes. 1. On synchysite from Narsarsuk, South Greenland, a mineral which has been taken for parasite.

Contains full description, distinguishing it from parasite.

Copy seen: DGS.

5083. FLINK, GUSTAF, 1849-1931. En mineralogisk resa; Grönland 1897. (Ymer, 1898. Årg. 18, p. 141-54, map) *Title tr.*: A mineralogical journey in Greenland 1897.

Account of a trip, under the auspices of the Commission for Geological and Geographical investigations in Greenland, to investigate and collect minerals in the Julianehaab region of west Greenland.

Copy seen: DLC.

5084. FLINK, GUSTAF, 1849-1931. Om några mineral från Grönland. (Geologiska föreningen, Stockholm. Föreläsningar, 1893. Bd. 15, p. 195-208) *Title tr.*: On some minerals from Greenland.

Discussion of minerals, chiefly nepuntite, epididymite and catapleite, collected by Holst in southwest Greenland.

Copy seen: DLC.

5085. FLINK, GUSTAF, 1849-1931. On the minerals from Narsarsuk on the Firth of Tunugdliarfik in southern Greenland. (In his: Undersøgelser af mineraler fra Julianehaab, pt. 1. Pub. in Meddelelser om Grönland, 1899. 24. hefte, p. 7-180, plates I-IX)

Geological description of the Narsarsuq region in Julianehaab District, and discussion of thirty-four minerals found there.

Copy seen: DLC.

5086. FLINK, GUSTAF, 1849-1931. Tillägg till uppsatsen "Om några mineral från Grönland." (Geologiska föreningen, Stockholm. Föreläsningar,

1893. Bd. 15, p. 467-72) *Title tr.*: Supplement to the [author's] paper "On some minerals from Greenland."

Discussion of neptunite.

Copy seen: DLC.

5087. FLINK, GUSTAF, 1849-1931, and others. Undersøgelser af mineraler fra Julianehaab indsamlede af G. Flink 1897. (Meddelelser om Grønland, 1899. 24. hefte, p. 1-213, plates I-IX, diagrs.) *Title tr.*: Investigations of minerals from Julianehaab, collected by G. Flink 1897.

Contents: 1. FLINK, G. On the minerals from Narsarsuk on the Firth of Tunugdliarfik in southern Greenland.

2. BØGGILD, O. B., and C. WINTHER. On some minerals from the nephelite-syenite at Julianhaab, Greenland.

Each part appears in this Bibliography under its author's name.

Copy seen: DLC.

FLINK, GUSTAF, 1849-1931, see also Bøggild, O. B., & C. Winther. On some minerals from Julianehaab. 1899.

FLINT, G. M., Jr., see Gault, H. R., & others. Geol. & mineral deposits Glacier Basin. 1944.

FLINT, G. M., Jr., see also Gault, H. R., & G. M. Flint. Lead-zinc deposits Lake claims. 1944.

5088. FLINT, RICHARD FOSTER, 1902- . Glacial geology and geomorphology. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 91-210, illus., tables, diagrs.)

Based on studies made during the Louise A. Boyd East Greenland Expedition, 1937, in the region between about 72°-74°45'N. Contains a general sketch of the morphology; detailed descriptions of glaciers and glaciation of Jan Mayen (South Glacier) the East Greenland Tyroler Fiord district (Copeland and Kløft Glaciers) Clavering Island, Kjerulf Fiord region, and Narhval Glacier; evidences of multiple glaciation on Fraenkel Land; glacial features common to the fiord region; and attempts to determine lithology beneath the inland ice.

Discussion of emerged strandlines and related features in Tyroler Fiord, Young Sound, Strindberg Land, Ymer, Geographical Society, and Ella Islands, and in Kempe and Alp Fiords; with

notes on arctic weathering, mass-wasting, eolian activity and cryoconite.

Copy seen: DLC; NNA.

5089. FLINT, RICHARD FOSTER, 1902- . Glacial geology and the Pleistocene epoch. New York, J. Wiley & Sons, Inc.; London, Chapman & Hall, Ltd. [1947] xviii, 589 p. illus., maps (6 fold.) diagrs.

Summary of the principal facts, in reference to data already established, and indicating areas and problems in which further research is most needed.

—Preface.

Includes chapters on glacier ice, its motion and regimen; form and distribution of existing glaciers; glacial erosion, transport and sculpture of landscapes; glacial drifts, drainage and stratigraphy; extent of glaciation throughout the world during the ice age; Pleistocene chronology; changes in land and sea level, climates, climatic fluctuations, the fossil record. Bibliography (about 900 items).

Copy seen: DLC.

5090. FLINT, RICHARD FOSTER, 1902- . Glacier thinning inferred from geological data. (In: Flint, R. F., and M. Demorest. *Glacier thinning during deglaciation*. Pub. in: American journal of science, Feb. 1942. v. 240, p. 113-36)

Discussion of thinning in existing glaciers of the Glacier Bay region of Alaska, with examples drawn from other parts of Alaska, Northeast Land, and West Spitsbergen.

Copy seen: DLC.

5091. FLINT, RICHARD FOSTER, 1902- , and MAX DEMOREST. Glacier thinning during deglaciation. (American journal of science, Jan-Feb. 1942. v. 240, p. 29-66, 113-36, plate)

Contents: Pt. 1. Demorest, Max. Glacier regimens and ice movement within glaciers.

Pt. 2. FLINT, R. F. Glacier thinning inferred from geological data.

Part 2 appears in this bibliography under the author's name.

Copy seen: DLC.

FLOATING MARINE SCIENTIFIC INSTITUTE, see MORSKOI NAUCHNYI INSTITUT.

5092. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Bidrag till kännedomen om Novaja Semljas salices. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 3, p. 387-426, plates 8-13) *Title tr.:* A contribution to the knowledge of the salices of Novaya Zemlya.

Contains a critical revision of the willow (*Salix*) flora of Novaya Zemlya, based on the author's exploration on the western coast of that island. Includes data on nine species and fifteen hybrids. Summary in German.

Copy seen: MH-A.

5093. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Bidrag till kännedomen om Salixfloran i Torne Lappmark. Uppsala & Stockholm, Almqvist & Wiksell, 1908. 53 p. 12 plates. (Arkiv för Botanik, 1909, pub. 1908. Bd. 8, no. 9) *Title tr.:* A contribution to the knowledge of *Salix* flora in Torne Lappmark.

Contains the results of the study of willow (*Salix*) flora of this district of northern Sweden, made by the author in the summers of 1906-08. Includes critical notes on various species, Latin diagnoses of seven new hybrids and data on their habitat.

Copy seen: MH.

5094. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. New Siberian willows. (Svensk botanisk tidskrift, 1936. Bd. 30, häfte 3, p. 386-400, illus.)

Contains Latin diagnoses of eight new species and forms (one hybrid) of willow (*Salix*), including five native to the basins of the lower Yenisey, Lena and Anadyr Rivers.

Copy seen: MH-A.

5095. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Om Grönlands salices. (Meddelelser om Grönland. 1923. Bd. 63, p. 61-204, illus., 4 plates) *Title tr.:* On the Salicaceae of Greenland.

Based on studies made during the author's trip to West Greenland in 1921, a survey of earlier research, discussion of synonymy and taxonomy and list, with synonymy, descriptions, localities, ecology, etc., of five species of willows and several hybrids.

Copy seen: DLC.

5096. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. On the *Salix* flora of Kamchatka. Stockholm, Almqvist &

Wiksell, 1926. 70 p. illus. plate. (Arkiv för botanik, 1926. Bd. 20A, no. 6)

Contains critical revision of twenty-two species and twelve hybrids of the willows (*Salix*) of the Kamchatka Peninsula, including six new species and seven new hybrids, collected by various members of the Swedish Kamchatka Expedition in 1920-22. Includes detailed data on local distribution and comparison with *Salix* flora of Scandinavia; brief bibliography.

Copy seen: MH.

5097. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Salices Peninsulae Anadyrensis inter lat. sept. 60°-62° et long. or. 163°-177° a S. Soczava annis 1929-1930 collectae. Stockholm, Almqvist & Wiksell, 1933. 12 p. illus. (Arkiv för botanik, 1932-34, pub. 1933. Bd. 25A, no. 11) *Title tr.:* Salices of the Anadyr Peninsula [sic] between 60°-62° N. lat. and 163°-177° E. long. collected by S. Sochava in 1929-1930.

Contains an enumeration of thirty-one species of willows (*Salix*) collected 1929-30 by B. V. Sochava, mainly (from localities indicated) in the region of Penzhina River basin, and a few in the basin of the Anadyr. Includes Latin diagnoses of *S. anadyrensis* n. sp. and six new hybrids.

Copy seen: MH-A.

5098. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. *Salix helvetica* Villars and its subspecies and hybrids. (Svensk botanisk tidskrift, 1943. Bd. 37, häfte 1, p. 73-80, illus.)

Contains Latin diagnosis of *Salix helvetica krylovii* n. comb., a species of willows, native to the basins of the Kolyma, Anadyr and Penzhina Rivers, with synonymy, critical notes and data on distribution. *Copy seen:* MH-A.

5099. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. *Salix rotundifolia* Trautv. and *Salix mummularia* Anderss. (Svensk botanisk tidskrift, 1941. Bd. 35, häfte 4, p. 351-52)

Contains a comparative taxonomical study of two species of willows, *Salix rotundifolia*, native to the Bering Strait region and Aleutian Islands and *S. mummularia* from Novaya Zemlya and Kola Peninsula. This posthumous paper was edited by S. Grapengiesser and is accompanied by his note with

the title "*Postuma botaniska arbeten av Med. Dr. Björn Floderus*", p. 350.

Copy seen: MH-A.

5100. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Sibiriska inslag i Fennoskandias *Salix*-flora. (Botaniska notiser, 1930, häfte 5, p. 325-43, illus.) *Title tr.:* Siberian element in the *Salix* flora of Fennoscandia.

Contains a discussion of the Siberian element in *Salix* (willow) flora in Fennoscandia with critical notes on seven species of Siberian origin, including Latin diagnoses of four new species distributed in both Scandinavia (including the arctic region) and Siberia.

Copy seen: MH-A.

5101. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. A strange species of *Salix* from Alaska. Stockholm, Almqvist & Wiksell, 1935. 3 p. (Arkiv för botanik, 1935. Bd. 27A, no. 2)

Contains Latin diagnosis of *Salix alienae* s. subgen. nov. and *Salix aliena* n. sp., a peculiar bushy form of willow found in McKinley National Park and in Fairbanks, and formerly named *Setchelliana* by C. R. Ball but not described.

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5102. FLODERUS, BJÖRN GUSTAF OSKAR, 1867-1941. Two Linnean species of *Salix* and their allies. Stockholm, Almqvist & Wiksell, 1939. 54 p. 2 plates. (Arkiv för botanik, 1940, pub. 1939. Bd. 29A, no. 18)

Contains a taxonomic study of two Linnean species of willow, *Salix phylicifolia* and *S. myrsinites* and their allies, with descriptions and critical notes on seventeen species and many subspecies, hybrids and forms (at least eleven are new), including some native to arctic regions of Scandinavia, Finland, European and Asiatic Russia, Alaska, Yukon Territory, Mackenzie District and Labrador.

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5103. FLOHN, HERMANN. Grundzüge der atmosphärischen Zirkulation über Sibirien und dem angrenzenden Polarmeer. (Polarforschung, 1947, pub. 1948. Jahrg. 17, Bd. 2, p. 143-49) *Title tr.:* Characteristic features of atmospheric circulation over Siberia and the nearby arctic sea.

Based on reports of upper atmospheric research, especially in 1941-44, carried out by Soviet aerological sta-

tions since about 1924, from Alma-Ata at 43°N. to Franz Josef Land, 80°N. and from West Spitsbergen, 13°30'E. to East Siberian Sea, 163°E.

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5104. FLOHN, HERMANN. Kontinentalität und Ozeanität in der freien Atmosphäre. (Ein Zonalschnitt der Temperatur der Troposphäre in subpolar Breiten). Meteorologische Zeitschrift, Okt. 1943. Bd. 60, p. 325-31, diagrs.) *Title tr.:* The continentality and oceanicity in the free atmosphere. (A zonal temperature section of the troposphere in subpolar latitudes).

"Recent aerological data from arctic regions permit examination of temperature and air pressure in the troposphere and prove influence of oceanic and continental régimes to a height of at least 8000 m."—Polar record, July 1950, v. 5, no. 40, p. 645.

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5105. FLOHN, HERMANN. Zum Klima der freien Atmosphäre über Sibirien. II. Die regionale winterliche Inversion. (Meteorologische Rundschau, 1947. Jahrg. 1, p. 75-79) *Title tr.:* Climate of the free atmosphere over Siberia. 2. Regional winter inversion.

Description of the winter inversion based on aerological observations of 15 stations (some by airplane, some radio-sonde, or kites) according to frequency and altitude. Fairbanks, Alaska, rises are used for comparison. The charts show, for the region about the earth's cold pole, maximum development of 96 percent, altitude of over 1700 meters and a figure of about 20°C. The synoptic significance of the inversion is in the peculiar character of the Siberian winter highs, a combination of a cold and, in the middle layers, a relatively warm anticyclone. The climate of eastern Asia is especially affected by this phenomenon.

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5106. FLOHN, HERMANN. Zum Klima der freien Atmosphäre über Sibirien. III. Die vertikale Windverteilung über Jakutien. (Meteorologische Rundschau, Sept.-Okt. 1948. Bd. 1, p. 475-78, illus., tables) *Title tr.:* Climate of the free atmosphere over Siberia. 3. The vertical wind distribution over Yakutia.

"The author uses little known windaloft data (1926-1930) for three Si-

berian stations: Petropavlovsk, Yakutsk and Verkhoyansk, to determine not only the frequency of winds aloft and the mean air movement of circulation over eastern Siberia, but by indirect means the average seasonal height of the tropopause (6 km. in winter, 11 km. in summer), and even the horizontal temperature distribution."—*Meteorological abstracts and bibliography*, Feb. 1950, v. 1, no. 2, p. 108. Bibliography (11 items).

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5107. FLOHN, HERMANN. Zum Klima der Kältepole der Erde. (Meteorologische Rundschau, 1947. Jahrg. 1, p. 25-26) *Title tr.*: On the climate of the earth's cold poles.

Discussion of minimum temperatures of Verkhoyansk (67°33'N. 133°55'E.) based on data 1883-1920, and of Oymyakon (63°10'N. 143°15'E.) based on 4 to 5 years' observations. The latter place appears to be the colder.

Copy seen: CaMAI.

5108. FLORIN, RUDOLF, 1894-. Die fossilen Ginkgophyten von Franz Joseph-Land nebst Erörterungen über vermeintliche Cordaitales mesozoischen Alters. I. Spezieller Teil. II. Allgemeiner Teil. (Palaeontographica, 1936. Bd. 81, Abt. B, p. 71-173, illus., 32 plates; Bd. 82, Abt. B, p. 1-72, illus., 8 plates) *Title tr.*: The fossil Ginkgophytes of Franz Josef Land and a discussion of the so-called Mesozoic Cordaitales. 1. Special part. 2. General part.

Contains (in pt. 1) exhaustive descriptions of the Ginkgo species of Cape Stephen, Eira Harbor, Cape Flora, Windy Gully and Alger Island; pt. 2, discussion of the systematic position of these fossil plants, anatomical study of a ginkgo, survey of the fossil ginkgophytes, the question of the existence of a class Cordaitales in the Mesozoic, and the age of the layer containing the fossils on Franz Josef Land; with a bibliography (over 200 items).

Copy seen: DGS.

5109. FLORIN, RUDOLF, 1894-. Några marchantiacefynd i nordvästra Härjedalen och Torne Lappmark. (Svensk botanisk tidskrift, 1931. Bd. 25, häfte 3 (p. 438-39) *Title tr.*: Some discoveries of Marchantiaceae in northwestern Härjedalen and Torne Lappmark.

Contains some critical notes and data on new localities of eight species of mosses of the family Marchantiaceae found in Torne Lappmark (northern Sweden). *Copy seen:* MH-A.

FLOROVSKAIA, E. F., *see* Igoshina, K. N., & E. F. Florovskaia. Ispol'zovanie pastbishch i vypas oleni. 1939.

5110. FLOWER, ROUSSEAU HAYNER, 1913-. Cephalopods from the Seward Peninsula of Alaska. Ithaca, N. Y., Paleontological Research Institution, 1941. 22 p. illus., 2 plates. (Bulletins of American paleontology, v. 27, no. 102)

Descriptions (in detail) with paleontological notes, of three new species of fossils collected from the York district, by J. B. Mertie of the U. S. Geological Survey. *Copy seen:* DGS.

5110A. FLUKE, CHARLES LEWIS, 1891-. Some Alaskan syrphid flies, with descriptions of new species. (U. S. National Museum. Proceedings, 1949. v. 100, no. 3256, p. 39-54)

Annotated list, with synonyms, references, and some taxonomic discussion, of fourteen (including with descriptions, two new) species of Syrphidae new to Alaska, collected mainly at Matanuska, 1944-45; with a list of over ninety species collected in the rotary trap (here described).

Copy seen: DSI-M.

FOCKE, WILHELM OLBERS, *see* Buchenau, F., & W. O. Focke. Gefäßspflanzen (2. deutsche Nordpolarfahrt). 1874.

5111. FØRSLEV, C. Undsaetningen af Nobile-ekspeditionen. (Geografisk tidsskrift, Kjøbenhavn, 1928. Bd. 31, p. 177-80) *Title tr.*: The rescue of the Nobile Expedition.

Summary account of the rescue of the Nobile Italian Expedition, 1928, by the Swedish Rescue Expedition and the Russian ice-breaker *Krasin*; rescue attempts of Norwegian and French fliers; use of aircraft in arctic regions.

Copy seen: DLC.

FØRSLEV, C., *see also* Koch, J. P., & C. Førslev. Kampen om Nordpolen i 1926. 1926.

5112. FOERSTE, AUGUST FREDERIC, 1862-1936. American arctic and related cephalopods. (Denison Univer-

sity. Scientific Laboratories. Journal, 1928. v. 23, p. 1-110, 29 plates)

Contains a survey of the stratigraphic work of Per Schei, Laue Koch and others during the 20th century and a sketch of North Greenland and American arctic stratigraphy; a list with descriptions, locations and horizons, of fifty-four (including fifteen new) species of fossils from Labrador, Baffin, Cornwallis, Griffith, Offley, Ellesmere and Iglulik Islands, and North Greenland. *Copied seen:* DGS.

5113. FOERSTE, AUGUST FREDERIC, 1862-1936. Ancient life of the Arctic. (Ohio journal of science, July 1931, v. 31, p. 243-54)

Presidential address before the Ohio Academy of Science, 1931. Discussion of the geological history of arctic regions, their ancient plants, marine fauna, climate and geography, with mention of the theory of migration of the North Pole. *Copied seen:* DSI-M.

5114. FOERSTE, AUGUST FREDERIC, 1862-1936. Cephalopoda from the Ordovician and Silurian of Great Slave Lake. (Canada. Dept. of Mines. National Museum of Canada. Bulletin no. 44; Geological series, no. 46. 1926. p. 65-72, plate)

Descriptions, with discussion, of six species. *Copied seen:* DLC.

5115. FOERSTE, AUGUST FREDERIC, 1862-1936. Cephalopods from Nesnayemi und Sulmeneva Fjords in Novaya Zemlya. Oslo, 1925. 38 p., 1 l. 7 plates. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 31) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

Based on specimens collected by V. Roussanoff in 1908 and 1909, from bays now known as Mityushikha and Uzhnaya Sul'meneva. Descriptions of nineteen species of Lower Devonian fossils (seventeen new), with discussion of their geological age. Bibliography, p. 34. *Copied seen:* DLC.

5116. FOERSTE, AUGUST FREDERIC, 1862-1936. The cephalopods of Putnam Highland. (In: Gould, L. M., and others. Contributions to the geology of Foxe Land, Baffin Island. Michigan. University. Museum of Paleontology. Contributions, 1928, v. 3, p. 25-69, 11 plates)

List, with descriptions, locations, and correlation, of twenty-three (including five new) Ordovician species collected by L. M. Gould on the Putnam Baffin Island Expedition, 1927, and a discussion of paleontological relationships of Foxe Land. *Copied seen:* DGS.

5117. FOERSTE, AUGUST FREDERIC, 1862-1936. Notes on arctic Ordovician and Silurian cephalopods chiefly from Boothia Felix - King William Land, Bache Peninsula, and Bear Island. (Denison University. Scientific Laboratories. Journal, Sept. 1921. v. 19, p. 247-306, 9 plates)

Contains a discussion of the correlation of arctic faunas as shown in Dr. Olaf Høltedahl's papers on Bear Island, and the American Arctic, and a list, with descriptions (in detail), locations and horizons of twenty-eight (including eight new) species of fossil cephalopods. *Copied seen:* DGS.

5118. FOERSTE, AUGUST FREDERIC, 1862-1936. Several new Silurian cephalopods and crinoids, chiefly from Ohio and Hudson Bay. (Ohio journal of science, Sept. 1936. v. 36, p. 261-75, incl. 2 plates)

Descriptions and locations of five new fossil cephalopod species, one from Ekwan River, two each from Severn and Nelson Rivers. *Copied seen:* DLC.

5119. FOERSTE, AUGUST FREDERIC, 1862-1936, and IAN H. COX. Cephalopods and a *Beatricea* from Akpatok Island. (Geological magazine. July 1936. v. 73, p. 289-307, plate)

Contains an introduction, discussion of correlation, and description of sixteen (including four new) species of fossil molluscs, collected by I. H. Cox during the Oxford University Hudson Strait Expedition, 1931.

Copied seen: DGS.

5120. FOERSTE, AUGUST FREDERIC, 1862-1936, and T. E. SAVAGE. Ordovician and Silurian cephalopods of the Hudson Bay area. (Denison University. Scientific Laboratories. Journal, 1927. v. 22, p. 1-107, 24 plates)

A list, with descriptions, locations and horizons of eighty-seven (including forty-nine new) species, collected by T. E. Savage and F. M. Van Tuyl during the Illinois University Expedition, 1916, and some from southwest Southampton Island (A. P. Low, 1904), from

southwest shore of Great Slave Lake (G. S. Hume), and other Hudson Bay collections, with notes on formations, correlations of the limestones, and remarks on the arctic origin of Hudson Bay faunas. Bibliography.

Copy seen: DGS.

FOERSTE, AUGUST FREDERIC, 1862-1936, see also Dyer, W. S. Geology & economic deposits Moose R. basin. 1928.

5121. FØYN, BIRGITTE RUUD. Investigation of the phytoplankton at Lofoten, March-April; 1922-1927. Oslo, Jacob Dybwad, 1929. 71 p. tables, diagrs. (Norske videnskaps-akademi. Skrifter. Matematisk-naturvidenskabelig klasse, 1928, no. 10)

Based on material collected from the Norwegian Fishery Board's research cutter *Johan Hjort*, 1922-1927 in waters off northwestern Norway. Author gives (after a summary of previous research) remarks on methods used; descriptions of hydrographical and plankton conditions for each year; annotated list of about one hundred and thirty species of one-celled organisms; discussion of results; bibliography (about 75 items).

Copy seen: DLC.

FØYN, BIRGITTE RUUD, see also Böhnecke, G., & others. Beiträge z. Ozeanographie Dänemarkstrasse II. 1932.

5122. FØYN, SVEN, and ANATOL HEINTZ. The Downtonian and Devonian vertebrates of Spitzbergen. VIII. The English-Norwegian-Swedish Expedition 1939. Geological results. Oslo, J. Dybwad, 1943. 51, [1] p. illus., plate. (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 85)

Results of geological investigations in the vicinity of Wood Fiord, Wijde Fiord, and Ice Fiord. Bibliography, p. 49-51.

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5123. FOHN-HANSEN, LYDIA, OLAV, 1891- . Alaska berries. [Washington?] 1943 (rev. 1946). 22 p. (Alaska. University. Extension Service. Bulletin 128) Supersedes Leaflet 141. Issued by the Office of Home Demonstration Leader, University of Alaska, and U. S. Dept. of Agriculture in cooperation.

Notes on estimated ascorbic acid content and ways of preserving wild and cultivated blueberries, cranberries, cur-

rants, gooseberries, raspberries and strawberries; with recipes.

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5124. FOK, A. A. Statisticheskie materialy k kharakteristike sostava lesov po drevesnym porodam v Evropeiskoi Rossii. (Akademiia nauk SSSR. Komissii dlia izucheniia estestvennykh proizvoditel'nykh sil Rossii. Materialy. No. 51. Les, ego izuchenie i ispol'zovanie. Vtoroi lesnoi sbornik. promyshlennogo ot-dela K.E.P.S., 1924, p. 105-133) *Title tr.:* Statistical materials on the characteristics of forests of European Russia by their tree types.

Contains a statistical study of the forests of European Russia arranged by fifteen regions, including northern (Arkhangelsk and Vologda governments), with tabulated statistical data on the area, for its various trees of economic significance.

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5125. FOLDVIK, NILS. Norske fangst-menns nybggerhistorie på Øst-Grønland. (Polar-årboken, 1933. p. 134-46, illus.) *Title tr.:* History of the settlement of Norwegian hunters in East Greenland.

Notes opportunities for hunters, erection of Norwegian huts in Eirik Raudes Land, wildlife, vegetation, and weather conditions in 1927; establishment of radio and meteorological stations at Myggbukta in 1922, etc.

Copy seen: NN.

5126. FOLITAREK, S. S., and A. F. CHIRKOVA. Primitivnoe zverovodstvo na poberezh'e Cheshskoi guby i Timanskoi tundry. (Pushnoe khoziaistvo, 1930, no. 7-8 (53-54) p. 54-72, illus. map) *Title tr.:* Domestic animal (fox) raising on the coast of Cheshskaya Bay in Timanskaya Tundra.

Report at a meeting of the Conference for Animal Breeding of the Fur Trade Syndicate in 1929, of the author's observations while with the Scientific and Commercial Expedition to the Cheshskaya Bay region in summer 1929. Discusses the fox industry of the region; biological characteristics of the animals, their migrations and sanctuaries; the hunting methods and implements; the raising of foxes in the homes of inhabitants of the region, the kennels, feeding diseases, causes of death; profits from domestic fox raising.

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5127. FOLSOM, JUSTUS WATSON, 1871-1936. Apterygota. Papers from the Harriman Alaska Expedition. XXVII. (Washington Academy of Sciences. Proceedings, Mar. 1902. v. 4, p. 87-116, 5 plates) Reprinted, 1904, in Ashmead, W. H., and others. Insects, Part. I. Harriman Alaska series. v. 8, p. 83-114.

List, with descriptions, synonymy, localities and distribution, of eleven (including six new) species, and three varieties from southern Alaska.

Copy seen: DLC.

5128. FOLSOM, JUSTUS WATSON, 1871-1936. Collembola. Ottawa, King's Printer, 1919. 29 p. incl. 8 plates. (Canadian Arctic Expedition, 1913-18. Report. v. 3: Insects. Pt. A)

List, with descriptions, notes on bibliography, synonymy and distribution, of twelve (including three new) species, collected by the southern party, 1913-16, at Demarcation Point, Alaska and Bernard Harbour, Northwest Territories. Bibliography, p. 16-19.

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5129. FOLSOM, JUSTUS WATSON, 1871-1936. Collembola from the Crocker Land Expedition 1913-1917. (American Museum of Natural History, N. Y. Bulletin, 1919. v. 41, p. 271-302, 8 plates)

Scientific results of the Crocker Land Expedition. A list, with locations and notes on distribution, of nine species (including four new to Greenland and one from Newfoundland) with a bibliography.

Copy seen: DLC.

5130. FOMIN, ALEKSANDR VASIL'EVICH, 1869-1935. Pteridophyta-Filicales. Leningrad. 1930. 218 p. illus. (In: Bush, E. A., and others. Flora Sibiri, 1913-31, vyp. 5)

Contains a monographic treatment of all ferns and fern allies (Pteridophyta-Filicales) known from Siberia and the Far East, including some arctic species.

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5131. FONVIELLE, WILFRID de, 1826-1914. Le glaçon du Polaris. Aventures du capitaine Tyson racontées d'après les publications américaines. Paris, Hachette et cie, 1877. 2 p. l., 305 p., 1 l. front. plates, ports., fold. map. *Title tr.:* The *Polaris* ice floe. Adventures of Captain Tyson derived from American sources.

Account (from the viewpoint of Captain Tyson) of the U. S. Arctic Exploring Expedition, 1871-73, under command of Dr. C. F. Hall; with Captain Tyson's description (in some detail) of his adventures with the *Polaris* party adrift on ice floes, Oct. 1871-April 1873, from Smith Sound to the coast of Labrador.

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FORAN, WILLIAM T., 1893-, see Paige, S., & others. Reconnaissance Pt. Barrow region. 1925.

5132. FORBES, ALEXANDER, 1882-, and others. A flight to Cape Chidley, 1935. (Geographical review, 1936, v. 26, p. 48-58, illus., col., fold. map)

Narrative of the Forbes Expedition flight in connection with the 1931 aerial survey of northern Labrador sponsored by the American Geographical Society.

Appendices: 1. Miller, O. M. Notes on the construction of the Cape Chidley sheet. 2. Hitchcock, C. B. Physiology of the Cape Chidley sheet.

Map: (scale: 1:100,000) constructed from oblique aerial surveys of the Forbes-Grenfell Expedition, 1931 and the Forbes Expedition, 1935, for area 60°10'-60°32'N. 64°11'-65°05'W. (northernmost Labrador).

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5133. FORBES, ALEXANDER, 1882-. Navigational notes on the Labrador coast. New York, American Geographical Society, 1938. 25, [1] p. illus (map) (*Accompanies*, in separate slip case, his *Northernmost Labrador*, 1938, q.v.)

Sailing directions for coastal waters from Hawke Harbour to Ekortiaarsuk Fiord (about 53°01'-60°02'N.)

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5134. FORBES, ALEXANDER, 1882-. Northernmost Labrador, mapped from the air. New York, American Geographical Society, 1938. xix, [1], 255 p. front., illus. (incl. ports., maps) (American Geographical Society. Special publication no. 22)

Report of the Forbes-Grenfell Expedition, 1931, the surveying operations of C. J. Hubbard, 1932, and of the Forbes Expedition, 1935, also the results of the high-oblique photographic survey of the area north of Nain.

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5135. FORBES, ALEXANDER, 1882-. Rivers of the south shore of Lake

Melville, Labrador. (Geographical review, July 1940, v. 30, p. 394-99, illus., sketch map)

Observations made during a flight in 1939, and air photographs of the streams observed, including Backway River.

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5136. FORBES, ALEXANDER, 1882-. Surveying in northern Labrador. (Geographical review, 1932. v. 22, p. 30-60, illus., incl. maps)

Narrative of the cruise of the *Ramah* and of the flights, for an aerial photographic survey, 1931, of the area north of Nachvak Fiord, with descriptions of the coast and many photographs of the Torngat Mountains.

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5137. FORBES, H. A., compiler. Gazetteer of northern Canada and parts of Alaska and Greenland. Ottawa, Geographical Bureau, Dept. of Mines and Resources, 1948. 75 l. Mimeographed.

List of about 2600 place names, with geographic coordinates, derived (mainly) from Canadian Hydrographic and Map Service, National topographic series of maps, scale 8 miles: 1 inch.

Copy seen: CaMAI; DLC.

5138. FORBES, JOHN RIPLEY. Recent observations on the Greenland wheatear. (Auk, July 1938. v. 55, p. 492-95)

Notes (resulting from the D. B. MacMillan Expedition, 1937) on nesting of this bird on Barrow's Peninsula, south side of Frobisher Bay, Baffin Island.

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5139. FORBES, JOHN RIPLEY. Sea birds of Labrador. (Beaver, June 1942. Outfit 273, no. 1, p. 8-14, illus.)

Based on observations of the sixteenth MacMillan Arctic Expedition, 1941, a popular article on the abundance, variety, habits, and nesting of the birds along the Labrador coast.

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5140. FORBES, JOHN RIPLEY. Where winter and summer meet. A new nesting ground of the Greenland wheatear is discovered on an eventful voyage to Baffin Island with the 1937 MacMillan Expedition. (Natural history, June 1938. v. 42, p. 58-65, 78, illus., sketch map)

Account of the D. B. MacMillan Expedition of 1937 to the Frobisher Bay

region of Baffin Island; with notes on the birds, animals, and ice conditions.

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5141. FORBES, SHERMAN. The Canol. (Alaska life, May 1944. v. 7, no. 5, p. 20-26, incl. 6 p. of illus., map)

Brief note to accompany reproductions of photographs of the Canol Project.

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5142. FORBES, SHERMAN. Fight for the "A" route begins. (Alaska life, Apr. 1943. v. 6, no. 4, p. 14-18, map)

Text of the report to Congress of the Seattle Chamber of Commerce Alaska Committee, urging the construction of a highway from Prince George, B. C., to connect with the Alaska Highway at Tagish, Yukon; and discussion of the superiority of this route to Alaska.

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5143. FORBES, SHERMAN. The Matanuska mix-up. (Alaska life, Oct. 1943. v. 6, no. 10, p. 3-8, illus.)

Review of facts concerning the Matanuska Valley Project and agricultural possibilities of Alaska in general.

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5144. FORBES, SHERMAN. Not quite capable. (Alaska life, Nov. 1943. v. 6, no. 11, p. 15-18, illus.)

Discussion of the Alaskan Eskimo and Indian in social conditions of modern times.

Copy seen: DLC.

FORBES, WILLIAM HATHAWAY, 1902-, see Newburgh, L. H., ed. Physiology of heat regulation. 1949.

FORBES, WILLIAM TROWBRIDGE MERRIFIELD, 1885-, see Preble, E. A., & others. Biological survey of Pribilof Islands. 1923.

FORD, JAMES ALFRED, 1911-, see Collins, H. B. Archeological investigations in N. Alaska. 1932.

FORD, JAMES ALFRED, 1911-, see also Collins, H. B. Archeological investigations at Pt. Barrow. 1933.

FORD, JAMES ALFRED, 1911-, see also Cummins, H. Dermatoglyphics in Eskimos, Pt. Barrow. 1935.

5145. FORDHAM, ISABELLE G. Anchorage can boast of Providence. (Alaska life, Apr. 1946. v. 9, no. 4, p. 11-12, 27)

General description of the Providence Hospital in Anchorage, Alaska.

Copy seen: DLC.

5146. FOREL, FRANÇOIS ADOLPHE, 1841-1912. Les variations périodiques des glaciers. (Archives des sciences physiques et naturelles, 1895. Pér. 3, t. 34, p. 209-229) **Title tr.:** The periodic variations of glaciers.

Contains an account of the creation of the International Glacier Commission, Aug. 1894, at the Sixth International Geological Congress, and a statement of the activities to be carried out by the members of the Commission, (1) to organize historical studies and continuing observations of glaciers in the members' country, and (2) to receive and publish the members' reports on variations of glaciers.

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5147. FORGET, JOSEPH. Le Yukon missionnaire. (La Bannière de Marie Immaculée, 1946. Année 54, p. 68-74, illus., sketch map) **Title tr.:** Yukon missionary.

Notes on the new apostolic vicariate established at Whitehorse by the Oblates of Marie Immaculate, Jan. 1944, and on the various populated places in the Yukon, where the Indian missions of the order are located.

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5148. FORMOZOV, A. N. Gaga (promyslovoe znachenie gagi i mery k sokhraneniü gagach'ego promysla). (Sovetskii Sever, 1930. No. 1, p. 100-105) **Title tr.:** The eider duck (industrial value of eiders and measures for eider conservation).

Preliminary report from a biological survey of Seven Islands (Sem Ostrovov, 68°47'N. 37°27'E.) off the Murman coast, 1929. The author accompanied the survey party to study the biology of eiders from the viewpoint of organizing an eider down industry.

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5149. FORRESTER, SHIRLIE. When Nome burned. (Alaska sportsman, Nov. 1945. v. 11, no. 11, p. 16-17, 40-43, illus.)

Detailed account of the Nome fire, Sept. 17, 1934, the relief work and the rebuilding which followed.

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5150. FORSBERG, CARL AUGUST, 1877- Meteorologische und Wasserstand-Beobachtungen auf der Bären-Insel während der Schwedischen Expedition 1899. Stockholm, P. A. Nor-

stedt, 1900. 22 p. map (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 25, afd. 1, no. 6) **Title tr.:** Meteorological and tidal observations on Bear Island during the Swedish Expedition 1899.

The results of daily observations of humidity, cloudiness and precipitation, and hourly registrations of temperature and pressure at Bear Island during the period June 25-Aug. 16, 1899. Frequent daily measurements of water levels in Russehamna (Russian Harbor) indicate the diurnal course of tides on eastern shore of Bear Island.

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5151. FORSIUS, I. Meddelanden om några sällsynta fåglar. (Societas pro fauna et flora fennica. Memoranda, 1925-1926, pub. 1927. v. 2, p. 30-34) **Title tr.:** Communications on some rare birds.

Contains ornithological and phenological notes on twelve species of birds observed in southern Finland, among them *Acanthis flavirostris*, distributed in northern Fennoscandia and reported from Tromsø and west Finnmark, Norway and Karesuando, Swedish Lapland.

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5152. FORSIUS, I. Ornitologiska anteckningar från en resa till Petsamo sommaren 1922. (Societas pro fauna et flora fennica. Meddelanden, 1922-23, pub. 1925. Häfte 49, p. 137-45) **Title tr.:** Ornithological notes from a trip to Petsamo in the summer of 1922.

Contains a general account of the author's trip to Petsamo region in 1922, with ornithological notes on birds observed, and a list of about forty species found on Heinäsaari Islands near the mainland.

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5153. FORSIUS, RUNAR. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 19. Tenthredinoidea. [Stockholm, 1929] 4 p. (Arkiv för zoologi. Bd. 20B, no. 5) **Title tr.:** Entomological results of the Swedish Kamchatka Expedition, 1920-1922. 19. Tenthredinoidea.

List, with some notes and localities, of twenty-two species of sawflies.

Copy seen: DSI-M.

5154. FORSIUS, RUNAR. Über einige paläarktische Tenthredinini. (Societas pro fauna et flora fennica. Meddelanden, 1917-1918, pub. 1918. Häfte 44,

p. 141-53) **Title tr.:** On some palearctic Tenthredinidae.

Contains description of one new subgenus, six new species and nine new varieties of sawflies (fam. Tenthredinidae), including *Tenthredella sibirica* from Okhotsk, and *Macrophya sibirica* from lower Yenisey basin, collected by J. Sahlberg in 1876 and deposited in the Finnish Museum.

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5155. FORSIUS, RUNAR. Zur Kenntnis einiger Blattwespen und Blattwespenlarven II. (Societas pro fauna et flora fennica. Meddelanden, 1919-1920, pub. 1921. Häfte 46, p. 25-32) **Title tr.:** To the knowledge of some sawflies and their larvae II.

Contains critical notes on six species of sawflies (one new) and their larvae, some highly injurious to plants, including *Pontania forsiusi* from Kittilä (Lapponia enontekiensis) Finnish Lapland.

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FORSIUS, RUNAR, *see also* Nordström, A., & R. Forsius. Entomologische Ergebnisse Kamtschatka-Exped. 32. Psammodontidae. 1930.

5156. FORSSLUND, KARL-HERMAN. Trichopteren aus dem nördlichen Finnland. (Societas pro fauna et flora fennica. Memoranda, 1933-34, pub. 1935. v. 10, p. 378-81) **Title tr.:** Trichoptera from northern Finland.

Contains a list of fifty species of caddis flies (Trichoptera), collected, 1928-30, by W. Hellén, R. Frey and R. Stora in Petsamo and Inari regions of Finnish Lapland, including *Mystrophora intermedia* and *Micrasema nigrum*, new to the insect fauna of Finland.

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5157. FORSSLUND, KARL-HERMAN. Zur Kenntnis der Trichopteren des nördlichen Norwegens. Tromsø, K. Karlsen, 1932. 19 p. text map. (Tromsø, Norway. Museum. Aarshefter, 1929. Bd. 52, no. 2) **Title tr.:** A contribution to the knowledge of Trichoptera of northern Norway.

Contains a critical revision of caddis flies (Trichoptera) of northern Norway, with introductory notes on previous investigations, a systematic list of forty-five species investigated, and a table of geographic distribution of all known species in thirteen biogeographical regions indicated on the text map.

Copy seen: MH-Z.

5158. FORSTER, JOHANN REINHOLD, 1729-1798. An account of the birds sent from Hudson's Bay; with observations relative to their natural history; and Latin descriptions of some of the most uncommon. (Royal Society of London. Philosophical transactions, 1772. v. 62, p. 382-433) Reprinted by the Willughby Society, 1882, as *Forster's animals of Hudson's Bay*.

Contains a classified, annotated list, with references, descriptions and notes on occurrence, of fifty-eight (including with Latin descriptions, eight new) species from the Severn, York Factory and Churchill regions.

Copy seen: DLC; NNStef (1882 ed.).

FORSTER, JOHANN REINHOLD, 1729-1798. Forster's animals of Hudson's Bay, 1822, *see* Forster, Johann Reinhold, 1729-1798. Account birds Hudson's B. 1772.

5159. FORSTER, JOHANN REINHOLD, 1729-1798. Geschichte der Entdeckungen und Schiffahrten im Norden. Frankfurt an der Oder, C. G. Strauss, 1784. xxiv, 596 (i.e. 594), [2] p. front., 2 fold. maps. Paging irregular: 447-448 omitted in numbering. **Title tr.:** History of discoveries and voyages made in the North.

Chronicle of northern hemispheric exploration from antiquity to the middle of the 18th century, which includes (p. 299-596) chapters on the voyages of principal seafaring countries, beginning in the 15th century.

Copy seen: DLC; NNStef.

5160. FORSTER, JOHANN REINHOLD, 1729-1798. Histoire des découvertes et des voyages faits dans le Nord. Paris, Cuchet, 1788. 2 v.: xv, 399 p.; xii, 410 p. 3 fold. maps.

Translation of his, *Geschichte der Entdeckungen und Schiffahrten im Norden*, 1784, q.v.

Copy seen: DLC; NNStef.

5161. FORSTER, JOHANN REINHOLD, 1729-1798. History of the voyages and discoveries made in the North. London, Printed for G. G. J. and J. Robinson, 1786. 4 p. l., xvi, 489 p. front., fold. map.

Translation of his, *Geschichte der Entdeckungen und Schiffahrten im Norden*, 1784, q.v. Another edition published in Dublin by Luke White, 1786.

Copy seen: DLC; NNStef.

5162. FORTELIUS, OLOF. Några växtfynd från Kuusamo. (Societas pro fauna et flora fennica. Meddelanden, 1921-22. *pub.* 1925. Häfte 48, p. 129-30) *Title tr.:* Some plants found in Kuusamo.

Contains a list of ten species of plants new to Kuusamo region of Finland, with localities and some notes on habitat. *Copy seen:* MH-A.

5163. FORTELIUS, OLOF. Några växtfynd från Kuusamo sommaren 1922. (Societas pro fauna et flora fennica. Meddelanden, 1922-23, *pub.* 1925. Häfte 49, p. 11-14) *Title tr.:* Some plants found in Kuusamo in summer of 1922.

Contains a list of about thirty-five species of plants collected by the author on a trip to the Kuusamo region, Finland, including *Lycopodium inundatum* and *Thalictrum alpinum*, new to this region. *Copy seen:* MH-A.

5164. FORTIER, YVES OSCAR, 1914- . Flights in 1947 over the region of the North Magnetic Pole and the mainland between the arctic coast, Great Slave Lake, and Hudson Bay, Northwest Territories. Ottawa, 1948. 2 p. l., 11 l. fold. map. (Canada, Geological Survey. Paper 48-23) Mimeographed.

Results of observations during flights, and field investigations at points of landing, during Dominion Observatory flights in a Royal Canadian Air Force plane. Description of the topographic features and surface geology of the west coast of Hudson Bay, south of Churchill; Churchill to Baker Lake; north of Baker Lake; Thelon River; area between Yellowknife and Point Lake, Coppermine River; area east of Coppermine River; area around, and east of Bathurst Inlet and the western part of Kent Peninsula; King William, eastern Victoria, Prince of Wales, southern Somerset, and interspersed Islands, and Boothia Peninsula.

Copy seen: CaMAI; DGS.

5165. FORTIER, YVES OSCAR, 1914- . Indin Lake map-area (east half) Northwest Territories (report and map). Ottawa, 1949. 2 p. l., 23 p. fold. map. (Canada, Geological Survey. Paper 49-10) Mimeographed.

Report on a survey made June-Sept. 1948, between 64°-65°N. 114°-115°W. north of Great Slave Lake; describes

physical features, canoe routes, volcanic and sedimentary rocks, glacial deposits, structural geology and mineral possibilities; bibliography (7 items).

Map: Geologic, scale 1 inch: 2 miles. *Copy seen:* DGS.

FORTIER, YVES OSCAR, 1914- , see also Lang, A. H., & others. Interim catalogue air photographs. 1947.

5166. FOSLIE, MIKAL HEGGELUND, 1855-1909. Bidrag til kundskab om de til gruppen Digitatae hørende Laminarier. (Norske videnskaps-akademi, Oslo. Forhandlinger, 1883, no. 2, p. 1-32) *Title tr.:* Contributions to knowledge of Laminaria of the group Digitatae.

Contains data on taxonomy and morphology of *Laminaria digitata* and its seven forms (four new) and *L. cucullata* (Le Jol) Nob. with two forms, all from coastal waters of east and west Finmark, Norway, with Latin diagnoses of new forms, synonymy and critical notes; bibliography (41 items).

Copy seen: MH-F.

5167. FOSLIE, MIKAL HEGGELUND, 1855-1909. Contribution to knowledge of the marine Algae of Norway. I. East-Finmarken; II. Species from different tracts. (Tromsø museum. Aarshefter, 1890. Bd. 13, p. 1-186, plates 1-3; (II) 1891. Bd. 14, p. 36-58, plates 1-3)

Contains (in pt. I) a systematic enumeration of all known marine algae from coastal waters of east Finmark, and (pt. II) west Finmark, Tromsø and adjoining regions of Norway; with synonymy, critical notes and data on geographic distribution.

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5168. FOSLIE, MIKAL HEGGELUND, 1855-1909. Contributions to a monograph of the Lithothamnina. After the author's death collected and edited by Henrik Printz. Aktietrykkeriet i Trondhjem, 1929. 60, [75] p. port., 75 plates. Published by Norske videnskabers selskabs museet, Trondhjem.

Contains a biographical sketch of M. H. Foslie and bibliography of his works, p. 7-15; a short historical survey; a synopsis of the external and internal structure of coralline algae; a key for the identification of the many species of the genus *Lithothamnion*, in-

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cluding some native to Barents and Greenland Seas; and explanation of the figures on plates (on unpaginated letterpress), compiled by the editor, H. Printz, and based on scattered notes found among Foslie's papers after his death in 1909. **Copy seen:** MH-F.

5169. FOSLIE, MIKAL HEGGELUND, 1855-1909. *Ectocarpus (Streblonema) turnerellae*, a new alga. (Norske videnskabers selskab, Trondhjem. Skrifter, 1896, no. 2-3, p. 7-8)

Contains Latin description of *Ectocarpus (Streblonema) turnerellae*, a new alga found growing endophytic on *Ectocarpus (Streblonema) septentrionalis*, in coastal waters of Nordland and in Trondhjem Fiord, Norway.

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5170. FOSLIE, MIKAL HEGGELUND, 1855-1909. *Isthmoplea rupincola*, a new alga. (Tromsø museum. Aarshefter, 1891. Bd. 14, p. 129-31)

Contains an English description of *Isthmoplea rupincola*, a new alga collected by the author in 1891, growing on rocks in the upper part of the littoral region at Kjølvik in west Finmark, Norway. **Copy seen:** MH-F.

5171. FOSLIE, MIKAL HEGGELUND, 1855-1909. Kritisk fortegnelse over Norges havsalger efter aeldre botaniske arbeider indtil aar 1850. (Tromsø museum. Aarshefter, 1886. Bd. 9, p. 85-137) **Title tr.:** Critical notes on marine algae of Norway based on earlier botanical works till 1850.

Contains a systematic list of over three hundred species of marine algae of Norway mentioned in earlier botanical literature, with citation, date, and place of finding; bibliography (28 items). **Copy seen:** MH-F.

5172. FOSLIE, MIKAL HEGGELUND, 1855-1909. *Lithothamnion vardøense*, a new alga. (Norske videnskabers selskab, Trondhjem. Skrifter, 1905, no. 2, p. 1-4)

Contains a description of *Lithothamnion vardøense*, a new marine alga, found on the coast near Vardø, east Finmark, Norway.

Copy seen: MH-F.

5173. FOSLIE, MIKAL HEGGELUND, 1855-1909. New or critical Norwegian algae. (Norske videnskabers selskab, Trondhjem. Skrifter, 1893, pub. 1894. p. 114-42, plates 1-3)

Contains systematic notes on seventeen species of new or critical marine algae of Norway, including Latin diagnosis of *Ulonea rhizophirum* Nob. from Tromsø coastal waters, three other species from the Tromsø and Finmark region and one from Lofoten Islands.

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5174. FOSLIE, MIKAL HEGGELUND, 1855-1909. The Norwegian forms of *Ceramium*. (Norske videnskabers selskab, Trondhjem. Skrifter, 1893, pub. 1894. p. 1-21, plates 1-3)

Contains critical revision of Norwegian forms of marine algal genus *Ceramium*, based on collections of the Botanical Museum of the University of Christiania, including *C. deslongchampii* from Tromsø coastal region, *C. circinatum* f. *borealis* from Tromsø and west Finmark and *C. rubrum* distributed all along the coast of Norway.

Copy seen: MH-F.

5175. FOSLIE, MIKAL HEGGELUND, 1855-1909. The Norwegian forms of *Lithothamnion*. (Norske videnskabers selskab, Trondhjem. Skrifter, 1894, pub. 1895, p. 29-208, plates 1-23)

Contains a systematic enumeration of all Norwegian forms of marine algal genus *Lithothamnion* (incl. *Lithophyllum*), many routine to arctic coastal waters, with descriptions, synonymy, relation to other species and notes on habitat, occurrence and geographic distribution. Bibliography (54 items).

Copy seen: MH-F.

5176. FOSLIE, MIKAL HEGGELUND, 1855-1909. Nye havsalger. (Tromsø museum. Aarshefter, 1887. Bd. 10, p. 175-95, 3 plates) **Title tr.:** New marine algae.

Contains descriptions of seven new species of marine algae from Tromsø and Finmark waters, and two new names for earlier known species, with some critical notes.

Copy seen: MH-F.

5177. FOSLIE, MIKAL HEGGELUND, 1855-1909. Om nogle nye arktiske havsalger. [Christiania, Jacob Dybwad, 1882] 14 p. 2 plates. (Norske videnskapsakademiet. Forhandling, 1881, no. 14) **Title tr.:** On some new arctic marine algae.

List, with descriptions, remarks on specimens and localities, of nine new

species or variations collected, 1880 and 1881, in the Lofoten and Finmark waters.

Copy seen: DLC.

5178. FOSLIE, MIKAL HEGGELUND, 1855-1909. Remarks on forms of *Ectocarpus* and *Pylaiella*. (Tromsø museum. Aarshefter, 1891. Bd. 14, p. 123-28)

Contains a taxonomic discussion on critical forms of *Pylaiella varia* and *P. littoralis* f. *compacta* and *Ectocarpus siliculosus* and *E. hiemalis*, native to the littoral zone of west Finmark, northern Norway.

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5179. FOSLIE, MIKAL HEGGELUND, 1855-1909. Remarks on *Lithothamnion murmanicum*. (Norske videnskabers selskab, Trondhjem. Skrifter, 1908, no. 2, p. 1-8, illus. plates 1-2)

Contains a taxonomic discussion of *Lithothamnion murmanicum* Elenkin, n. sp. from Barents Sea, and its reduction to a synonym of *L. breviae*; the author also disputes the statement of A. A. Elenkin that *L. topiforme*, *L. vardoense* and *L. murmanicum* are identical species.

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5180. FOSLIE, MIKAL HEGGELUND, 1855-1909. Remarks on northern *Lithothamnion*. (Norske videnskabers selskab, Trondhjem. Skrifter, 1905, no. 3, p. 1-138)

Contains critical notes on more than thirty species and many forms of the algal genera *Lithothamnion*, *Phymatolithon*, *Melobesia* and *Lithophyllum* distributed in all arctic seas.

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5181. FOSLIE, MIKAL HEGGELUND, 1855-1909. Revised systematical survey of the Melobesieae. (Norske videnskabers selskab, Trondhjem. Skrifter, 1900, no. 5, p. 1-22)

Contains a revised systematic list of about one hundred sixty species of the algal family Melobesieae, including some native to Greenland and Barents Seas.

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5182. FOSLIE, MIKAL HEGGELUND, 1855-1909. Ueber die Laminarien Norwegens. (Norske videnskaps-akademi, Oslo. Forhandlingar, 1884, no. 14, p. 1-112, plates 1-10) *Title tr.:* On *Laminaria* of Norway.

Contains a morphological sketch and a systematic enumeration of seven species and many forms of algal genus

Laminaria, including *L. gunneri* Nob. and some new forms of other species, native to the coastal waters of Berlevaag, east Finmark, Norway; general bibliography on algae (76 items).

Copy seen: MH-F.

FOSLIE, MIKAL HEGGELUND, 1855-1909, see also Elenkin, A. A. Predvaritel'nyi otechet o komandirovkie 1906 g. 1907.

FOSLIE, MIKAL HEGGELUND, 1855-1909, see also Elenkin, A. A. Zametka o patologicheskikh *Lithothamnion murmanicum*. 1906.

FOSTER, DON C., 1898-, see U. S. Congress. Senate. Committee on Interior and Insular affairs. Repeal act, Indian reservations, Alaska. 1948.

FOUND, WILLIAM A., see Babcock, J. P., & others. Investigations I. F. C. to Dec. 1930. 1930.

FOUND, WILLIAM A., see also Babcock, J. P., & others. Report International Fisheries Commission. 1931.

FOURT, LYMAN EDWIN, 1912-, see Newburgh, L. H., ed. Physiology of heat regulation. 1949.

5183. FOWLER, HENRY W. Fishes of the Nueltin Lake Expedition, Keewatin, 1947. Part 1—Taxonomy. (Academy of Natural Sciences, Philadelphia. Proceedings, 1948. v. 100, p. 141-52, illus.)

Based on collections made by Francis Harper from the northwestern extremity of Nueltin Lake (about 60°50' N. 99°35'W.) and (a very few) from Churchill. Annotated list, with localities, of thirteen (including with descriptions, three new) species of fishes.

Copy seen: CaMAI; DSI-M.

5184. FOWLER, L. H. Ocean gangster. (Alaska sportsman, Feb. 1949. v. 15, no. 2, p. 18-19, 27, illus.)

Natural history notes on the killer whale and account of an attack made by killer whales upon a finback whale as witnessed by the author in Southeast Alaskan waters.

Copy seen: DLC.

FOX, CHARLES J. J., see Boggild, O. B. On the bottom deposits of north polar sea. 1906.

FOX, ERNEST F., see Cleaves, A. B., & E. F. Fox. Geology west Ymer I., E. Greenland. 1935.

5185. **FOX, WILLIAM J.** Report on the Hymenoptera collected in West Greenland. (Academy of Natural Sciences, Philadelphia. Proceedings, 1892, *pub.* 1893, p. 133-35)

Results of the Peary Expedition, 1891-92; an annotated list of nine (including with descriptions, two new) species of insects from Disko, West Greenland, and from McCormick Bay, North Greenland.

Copy seen: DSI-M.

5186. **FRAAS, EBERHARD, 1862-1915.** Weitere Beiträge zur Fauna des Jura von Nordost-Groenland. (*In:* Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 3. del, nr. 8. *Pub.* in Meddelelser om Grønland, 1909. 29. hefte, p. 277-85, *illus.*) *Title tr.:* Further contributions to the Jurassic fauna of northeast Greenland.

Descriptions of a fossil footprint of a dinosaur and a fossil vertebrae of an *Ophthalmosaurus* in Jameson Land, East Greenland. *Copy seen:* DLC.

FRAENKEL, KNUT HJALMAR FERDINAND, 1870-1897, see Svenska sällskapet för antropologi och geografi, Stockholm. Andrée's story. 1930.

FRAENKEL, KNUT HJALMAR FERDINAND, 1870-1897, see also Svenska sällskapet för antropologi och geografi, Stockholm. Dem Pol entgegen. 1930.

FRAENKEL, KNUT HJALMAR FERDINAND, 1870-1897, see also Svenska sällskapet för antropologi och geografi, Stockholm. En ballon vers pôle. 1931.

FRAENKEL, KNUT HJALMAR FERDINAND, 1870-1897, see also Svenska sällskapet för antropologi och geografi, Stockholm. Med Örnen mot polen. 1930.

5187. [FRANCE. COMMISSION SCIENTIFIQUE DU NORD] Voyage en Islande et au Groënland exécuté pendant les années 1835 et 1836 sur la corvette la Recherche, commandée par M. Tréhouart . . . dans le but de découvrir les traces de la Lilloise; publié par ordre du roi sous la direction de M. Paul Gaimard, Président de la Commission Scientifique d'Islande et de Groënland . . . Paris, A. Bertrand, 1838-1843. 5 v. *illus.*, port., tables (1

fold.) *diagrs. and atlas. Title tr.:* Voyage to Iceland and Greenland, 1835-1836, of the corvette *Recherche*, commanded by M. Tréhouart to search for traces of the *Lilloise*; published by royal command under direction of M. Paul Gaimard.

Included in this extensive report on Iceland, is one brief chapter on Greenland, which appears in this Bibliography as: ROBERT, E. *Observations géologiques faites au Groënland, en 1836, pub.* 1840, q.v.

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5188. **FRANCE. COMMISSION SCIENTIFIQUE DU NORD.** Voyages de la Commission Scientifique du Nord, en Scandinavie, en Laponie, au Spitzberg et au Feröe, pendant les années 1838, 1839, et 1840 sur la corvette la Recherche, commandée par M. Fabvre. *Pub.* par ordre du roi sous la direction de M. Paul Gaimard. Paris, A. Bertrand [1842-55]. *Title tr.:* Voyages of the Scientific Commission of the North to Scandinavia, Lapland, Spitsbergen and The Faeroes, during 1838-1840, on the corvette *Recherche*, commanded by M. Fabvre; published by royal command under the direction of M. Paul Gaimard.

The commission was instructed to investigate and report on all phases of science, on history, and social conditions of the northern countries mentioned in the title. The Scandinavian countries, Sweden and Norway, and the Spitsbergen archipelago were visited during the summers of 1838 and 1839, and in the summer of 1840 a trip was made to Archangel.

Contents tr. include: Div. 1 (*pub.* 18-?). Lottin, V., and others. Astronomy and hydrography.

Div. 2 (*pub.* 1844-?). Bravais, A., and others. Meteorology.

Div. 3 (*pub.* 1843-?). Lottin, V., and others. Terrestrial magnetism.

Div. 4 (*pub.* 1845-46). Lottin, V., and others. Aurora borealis.

Div. 5 (*pub.* 1843-55). Robert, E. Geology, mineralogy and metallurgy.

Durocher, J. Geology, mineralogy, metallurgy, and chemistry.

Div. 6 (*pub.* 1844-50?). Martins, C. F., and others. Physical geography, phytogeography, botany and physiology.

Div. 7. Zoology (Atlas only; text not seen).

Div. 8 (*pub.* 1844-47). Marmier, X. History of Scandinavia, literature of Scandinavia, and account of the voyage.

Atlases: Historical and pictorial: 310 plates in 2 v.

Physical: 31 plates.

Geological (by E. Robert): 20 plates.

Geological (by J. Durocher): 11 plates (incl. 2 fold. maps)

Zoology: 83 plates (invertebrates, fishes and birds).

Each of these divisions appears separately in this Bibliography.

File seen: DLC.

5189. FRANCE. SERVICE HYDROGRAPHIQUE. Instructions nautiques Terre Neuve et côte ouest du Groenland. Paris, 1937. xvi, 494 p. incl. tables, diagrs. 2 fold. charts. (*Its:* No. 386) *Title tr.:* Sailing directions Newfoundland and the west coast of Greenland. *Supplements* issued 1938-39, 1945-47.

Contains introductory section on meteorology, oceanography, ice terminology, conditions and navigation, on navigation and routes.

Chap. 9 (p. 413-32). Banks of Greenland, from Cape Farewell to Umanak Fiord.

Appendix: 1 (p. 433-47). Directions for the east coast of Baffin Island south of Cape Dyer, Hudson Strait entrance and Labrador. *File seen:* DN-HO.

5190. FRANCINE, JACQUES. The forgotten land. The vast wilderness of the Labrador Peninsula. (Canadian geographical journal, Jan. 1939. v. 18, p. 52-57, illus.)

Description (in general) of the country, the Indians, and the difficulties of transportation. *Copy seen:* DLC.

FRANDSEN, JOHANNES, *see* Lynge, E., & V. Sindbjerg-Hansen. Beretning fra lægeekspedition 1947-48. 1949.

5191. FRANKE, RUDOLPH. Erlebnisse eines Deutschen im hohen Norden; Aufzeichnungen und Berichte. Hamburg, A. Janssen, 1914. 204 p. incl. front. 30 plates incl. ports., 3 maps. *Title tr.:* A German's experiences in the far North. Notes and narrative.

Records the author's experiences accompanying J. R. Bradley to Etah on a hunting trip in the summer of 1907, remaining there until Sept. 1908, as companion and aide-de-camp to Dr.

F. A. Cook. Notes his hunting with the Polar Eskimos, sledging to Ellesmere Island and to Cape York, and remarks on the Eskimo life and customs.

Copy seen: DLC; NNSf.

5192. FRANKENBERGER, ERNST. A. Bericht über zwei Reisen im Polarjahr 1932-33: I. Eine Forschungsfahrt mit A. Wigand nach Spitzbergen im August 1932 . . . B. Über Radiosonden-Aufstiege von Passagierschiffen. Hamburg, 1943. 58 p. incl. tables. (Deutsche Seewarte, Hamburg. Aus dem Archiv der deutschen Seewarte. Bd. 63, nr. 1) *Title tr.:* A. Report on two journeys made during the International Polar Year, 1932-33: I. Scientific trip with A. Wigand to Spitzbergen, Aug. 1932 . . . B. On radiosonde releases from passenger vessels.

Contains (A, I) brief account of Prof. A. Wigand's journey on *MS Monte Rosa*, Aug. 6-24, 1932, with report on results of upper wind measurements, radiosonde releases, condensation nuclei count in the atmosphere, and research on properties of polar sea fog. Tabular data, including weather data.

A, II (p. 26-52) does not concern the Arctic and is not treated here.

B. Description of equipment and discussion of techniques and usefulness of shipboard radiosonde releases.

Copy seen: DN-HO.

5193. FRANKLIN, Sir JOHN, 1786-1847. Journey to the shores of the polar sea, in 1819-20-21-22: with a brief account of the second journey in 1825-26-27. London, J. Murray, 1829. 4 v. fronts., plates, ports., fold. map.

Dr. Richardson's narrative included in v. 4. *Copy seen:* ICJ; PU.

FRANKLIN, Sir JOHN, 1786-1847. Journey to the shores of the polar sea, in 1825-26-27. London, J. Murray, 1829, *see* his: *Narrative of a second expedition . . . 1825, 1826 and 1827, 1828.*

5194. FRANKLIN, Sir JOHN, 1786-1847. Narrative of a journey to the shores of the polar sea, in the years 1819, 20, 21, and 22. With an appendix on various subjects relating to science and natural history. London, J. Murray, 1823. 2 p. l., [vii]-xvi, 768 p. col. front., 26 plates (part col.) 4 fold. maps.

The author traveled by Hudson Bay, Cumberland House to Fort Chipewyan, and accompanied by J. Richardson, R. Hood and J. Back, explored the upper Coppermine River, wintered at Fort Enterprise (between Great Slave and Great Bear Lakes) descended the Coppermine, and explored by canoe the coast of Coronation Gulf eastward over five hundred miles into Dease Strait to Cape Turnagain. The party returned over the Barren Grounds to Fort Enterprise.

The narrative includes detailed description of travel conditions (noting hardships, lack of food, etc.), the nature of the country, rivers and lakes, the various tribes of Indians, and the Copper Eskimos; with accounts by Richardson and Back of their separate trips with small parties for exploration, supplies, etc.

Appendices: 1. RICHARDSON, J. Geognostical observations.

2. Hood, R. General remarks on the aurora borealis.

3. FRANKLIN, Sir J., [and others]. Observations on the aurora borealis.

4. Remarks and tables connected with astronomical observations. (Magnetic variation, latitudes and longitudes)

5. SABINE, J. Zoological appendix.

6. RICHARDSON, J. Notice of the fishes.

7. RICHARDSON, J. Botanical appendix.

Each of these appendices (except 2 and 4) appears in this Bibliography under its author's name.

Reviewed in *Quarterly review*, 1823. v. 28, p. 372.

Modern pocket-size edition was published as No. 447, Everymans Library, by J. M. Dent & Sons, London.

Copy seen: DLC (1 map lacking); NNNStef.

5195. FRANKLIN, Sir JOHN, 1786-1847. Narrative of a journey to the shores of the polar sea, in the years 1819-20-21-22. 2d ed. London, J. Murray, 1824. 2 v.: xix, 370 p.; iv p., 1 l., 399 p., illus., 3 fold. maps.

Without colored engravings and appendices in the first edition. v. 2 includes Richardson's and Back's narratives.

Copy seen: DN-HO; NNNStef.

5196. FRANKLIN, Sir JOHN, 1786-1847. Narrative of a journey to the

shores of the polar sea, in the years 1819-20-21-22. 3d ed. London, J. Murray, 1824. 2 v. fronts., fold. maps.

Third edition reprinted without change from the second.

Copy seen: DLC; NNNStef.

5197. FRANKLIN, Sir JOHN, 1786-1847. Narrative of a journey to the shores of the polar sea, in the years 1819, 20, 21, & 22. With an appendix containing geognostical observations, and remarks on the aurora borealis. Philadelphia, H. C. Carey & I. Lea [etc.] 1824. xi, 482 p. front., fold. map.

Another edition with appendix no. 1, only: Richardson, J. Geognostical observations. *Copy seen:* DLC; NNNStef.

5198. FRANKLIN, Sir JOHN, 1786-1847. Narrative of a second expedition to the shores of the polar sea, in the years 1825, 1826, and 1827, by John Franklin; including an account of the progress of a detachment to the eastward, by John Richardson. London, J. Murray, 1828. xxiv, [xxi]-xxiv, 320, clvii, [1] p., 1 l. front., 31 plates, 6 fold. maps.

Another edition was published in 1829, with title *Journey to the shores of the polar sea, in 1825-26-27*, but without material change of text.

Record of an expedition overland in northwestern Canada to the Mackenzie delta, thence to explore the unknown northern coast: the travels of Franklin, Dr. John Richardson and party, down the Mackenzie River to Great Bear Lake where winter quarters were made at Fort Franklin and a survey of the lake undertaken by Richardson; the trip to the mouth of the Mackenzie, Franklin's journey westward in summer and fall 1826, across the delta and along the arctic coast to Return Point, Alaska (about 147°W.) and return; Dr. Richardson's exploration eastward along the coast to the mouth of the Coppermine River, his ascent of the Coppermine and return to Fort Franklin overland, crossing the Copper (i.e. Coppermine) Mts. and height of land. Includes throughout the narrative, description of the new country, of Great Bear Lake, the ice along the shores of the arctic sea, the encounters (friendly and otherwise) with Eskimos; notes on the Dogrib Indians, the burning coal cliffs beyond Cape Bath-

urst, the weather, mirages, and travel conditions.

Appendices: 1. RICHARDSON, J. Topographical and geological notes.

2. RICHARDSON, J. Meteorological tables from registers kept at Fort Franklin.

3. RICHARDSON, J. Observations on solar radiation.

4. KENDALL, E. N. Observations on the velocity of sound at different temperatures, with remarks.

5. Observations for latitude, longitude and magnetic variations.

6. Observations relative to the daily variation of the horizontal magnetic needle.

7. On the aurora borealis.

Appendices 1-4 appear in this Bibliography under their author's name.

Copy seen: DLC; NNS Stef.

5199. FRANKLIN, Sir JOHN, 1786-1847. Observations for determining the magnetic variation, made in the neighborhood of Spitzbergen. (Edinburgh philosophical journal, 1825-26, pub. 1826. v. 14, p. 56, table)

A table of variations for eleven positions off and along the northwest coast of West Spitzbergen, a result of the voyage in 1818 of the *Dorothea* and the *Trent*, the latter under Franklin's command.

Copy seen: DLC.

5200. FRANKLIN, Sir JOHN, 1786-1847, and others. Observations on the aurora at Fort Enterprise. (In his: Narrative of a journey to the shores of the polar sea, 1819-22, pub. 1823. p. 549-628)

Contains extracts from Franklin's auroral journal; table of deviations of the magnetic needle (7 times daily, Jan. 12-May 9, 1821); extracts from R. Hood's auroral journal; and remarks extracted from J. Richardson's journal.

Copy seen: DLC; NNS Stef.

5201. FRANKLIN, Sir JOHN, 1786-1847. Table of the temperature of the sea, at various depths, made during Captain Franklin's voyage to Spitzbergen with Captain Buchan. (Edinburgh philosophical journal, Apr. 1825. v. 12, p. 233-34)

Result of the voyage of the *Dorothea* and the *Trent*, 1818, when samples from various depths were collected in a leaden box with closing valves. Data for surface and depths, June 20-July

26, in waters north and west of West Spitzbergen.

Copy seen: DLC.

5202. FRANKLIN, Sir JOHN, 1786-1847. Thirty years in the arctic regions, a narrative of the explorations and adventures of Sir John Franklin. Cincinnati, United States Book and Bible Co. [1859] 480 p. port. Issued also: Philadelphia, J. E. Potter [1859]

Drawn from Franklin's accounts of his two expeditions of 1819-22 and 1825-27 in northern Canada, with chapters on his last voyage, 1845-47, and the Franklin search expeditions.

Copy seen: DLC; NNS Stef.

5203. FRANKLIN, Sir JOHN, 1786-1847, and DAVID BUCHAN. Tables of summer temperatures observed in Spitzbergen. (Edinburgh philosophical journal, Apr. 1825. v. 12, p. 232-33, incl. tables)

Result of the voyage of the *Dorothea* (Capt. Buchan) and the *Trent* (Capt. Franklin) 1818. Daily means are deduced from hourly observations, June 1-30, and ten-day means, July 20-Aug. 31, for West Spitzbergen, with mean June, July and Aug. deductions for latitudes 66°15', 69°30', 74°45' and 80° N.

Copy seen: DLC.

FRANKLIN, Sir JOHN, 1786-1847, see also Barrow, Sir J., & others. Communications on a North-West Passage. 1836.

5204. FRANKLIN, LUCIA J. Stories and facts of Alaska; a wonderful book of fascinating and surprising information of Alaska's vast resources; a travelers guide to the gold mines, the farming valleys, the coal and oil fields, and the different routes to Alaska, and cost of trips. Fairbanks, Alaska, L. J. Franklin [c1921] 5 p. l., 307 p. front., 21 plates.

Includes in addition to information on resources, etc., brief but useful material on railroads, river traffic, hunting and trapping, game laws, dogs, and the reindeer industry.

Copy seen: DLC; NNS Stef.

5205. FRANKSILA, MATTI. Mikroklimatische Temperaturmessungen in Sodankylä. Helsinki, 1945. 29 p. diagr. (Finland. Ilmatieteellisen keskuslaitoksen toimituksia (Meteorologisches Zentralanstalt. Mitteilungen) no. 26) Title tr.: Microclimate temperature measurements in Sodankylä.

The periodic variation of the air temperature in the air layer next to ground at Sodankylä is based on micrometeorological observations made there in July and Aug. 1939. Meteorological phenomena such as solar radiation, wind direction and speed, have also been recorded at standard elevations at 5, 20, 80 and 240 cm. above ground.

Copy seen: DWB.

5206. FRASER, CHARLES McLEAN, 1872-1946. Biological and oceanographic conditions in Hudson Bay. 3. Hydroids of Hudson Bay and Hudson Strait. (Canada. Biological Board. Contributions to Canadian biology, 1931. New ser. v. 6, p. 475-81)

Results of the Hudson Bay Fisheries Expedition, 1930; discussion, with table, of distribution of hydroids, in Hudson Bay and Strait and elsewhere in the Arctic, and a list with localities, of thirty-six species collected by this expedition.

Copy seen: DLC; DSI-M.

5207. FRASER, CHARLES McLEAN, 1872-1946. Hydroids. Ottawa, King's Printer, 1922. 5 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. I)

List, with locations and distribution noted, of twenty-five species from the east coastal waters of Hudson Bay, and westward to the Alaskan coast of Bering Sea.

Copy seen: DSI-M.

5208. FRASER, CHARLES McLEAN, 1872-1946. Hydroids of the western Canadian arctic region, 1936-1937. (Canadian journal of research, Mar. 1939. v. 17, sec. D, p. 59-61, illus.)

Based on collections made from the Royal Canadian Mounted Police vessel *St. Roch*, 1936-37, in Dease and Dolphin and Union Straits. Contains descriptions of two new species, with mention of three other species collected.

Copy seen: DSI-M.

5209. FRASER, CHARLES McLEAN, 1872-1946. Marine zoology in the north-east Pacific. (Royal Society of Canada. Transactions, 1942. Ser. 3, v. 36, sec. 5, p. 1-18)

History of marine biology and fisheries research since 1741; includes Alaska and Bering Sea.

Copy seen: DLC.

5210. FRASER, CHARLES McLEAN, 1872-1946. Notes on some Alaskan hy-

droids. (Royal Society of Canada. Transactions, 1914. Ser. 3, v. 8, sec. 4, p. 217-22, plate)

A systematic, annotated list of fifteen (including with description, one new) species, from the Gulf of Alaska, of which seven are new records for any Alaskan waters.

Copy seen: DLC.

FRASER, CHELSEA CURTIS, 1876-
, see Maclean, J. K., & C. Fraser. Heroes farthest North & South. 1938.

5211. FRASER, J. K. A summer journey down the Mackenzie and along the western arctic coast. (Arctic circular, Jan. 1949. v. 2, p. 11-13) Mimeographed.

Brief account of a "geographical reconnaissance (1948) of the Mackenzie waterway and the western arctic coast for the Geographical Bureau" (Canada), with mention of Hudson's Bay Co. posts, and its vessel *Nigalik* which carried the author east to Boothia Peninsula and return.

Copy seen: CaMAI.

5212. FRASER, JAMES DUNCAN. The gold fever; or, Two years in Alaska. A true narrative of actual events as experienced by the author. [Honolulu, c1923] 100 p.

Contains the story of a trip into the Klondike region via White Pass, and down the Yukon River; of life in Dawson; a boat journey down the Tanana and a winter in Circle City; with note on scurvy (p. 75-76).

Copy seen: DLC; NNStef.

FRASER, N. H. C., see Henderson, J. F., & N. H. C. Fraser. Camlaren mine. 1948.

5213. FRASER, R. J. Hydrographic observations. (Arctic circular, Jan. 1949. v. 2, p. 5-8) Mimeographed.

Suggestions for the northern traveler on the kind and methods of hydrographic observations needed by the Canadian Hydrographic Service.

Copy seen: CaMAI.

5214. FRASER, R. J., and F. C. G. SMITH. Aids to navigation on the Hudson Bay Route. (Canadian surveyor, July 1933. v. 4, no. 9, p. 3-9)

A history, by members of the Canadian Hydrographic Service, of the development of a system of lights, buoys, radio stations, beacons, patrol vessels and nautical charts for Hudson Bay and Strait.

Copy seen: DLC.

5215. FRASER, W. Ångaren Oscar Dicksons färd till Jenisej, 1880. (Ymer, 1881. Årg. 1, p. 53-69) *Title tr.*: The trip of the steamer *Oscar Dickson* to the Yenisey, 1880.

Account of the sea voyage from Gothenburg via northern Norwegian waters to Sibiryakov Island, the drift in the ice to Gydan Bay and the journey thence by three members across the tundra with reindeer to Obdorsk (= Salekhard, near the mouth of the Ob River).

Copy seen: DLC.

5216. FRAZER, ROBERT ALEXANDER, 1891-. The topographical work of the Oxford University Expedition to Spitsbergen (1921). (Geographical journal, Nov. 1922. v. 60, p. 321-36, 4 plates, map) Issued also as Oxford University. *Spitsbergen papers*, 1925. v. 1, no. 1.

An account of the work of the sledge party, under the leadership of N. E. Odell, which climbed Nordenskiöld Glacier, ascended Mt. Terrier, and marched northeastward to Oxford Glacier and return.

Copy seen: DLC.

5217. FRAZER, ROBERT ALEXANDER, 1891-, and E. R. RELF. Central Spitsbergen and North-East Land. Results of the Merton College (Oxford) Expedition to Spitsbergen, 1923. (Geographical journal, Sept. 1924. v. 64, p. 193-213, illus. (2 maps) 6 plates) Issued also as Oxford University. *Spitsbergen papers*, 1929. v. 2, no. 1.

Narratives of a surveying expedition in the area east of Wijde Fiord, between Billen and Lomme Bays on West Spitsbergen, and of the cruise in Hinlopen Strait and along the north shore of North East Land, during August 1923. *Contents*: I. Frazer, R. A. The sledge journey. — II. Relf, E. R. The cruise of the *Terningen*.

Copy seen: DLC.

FRAZER, ROBERT ALEXANDER, 1891-, see also Sandford, K. S., & R. A. Frazer. Geology & glaciology. 1925.

5218. FREBOLD, HANS, 1899-. Die Altersstellung des Fischhorizontes, des Grippianiveaus und des unteren Saurierhorizontes in Spitzbergen. Oslo, J. Dybwad, 1930. 36 p. illus. (map) 6 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 28) *Title tr.*: The age of fish horizons of

the Grippia layer and of the lower saurian horizon in Spitsbergen.

A description of the ammonite fauna and stratigraphic relationships of the lower Triassic in the region around Ice Fiord.

Copy seen: DGS.

5219. FREBOLD, HANS, 1899-. Ammoniten aus dem Valanginien von Spitzbergen. Oslo, J. Dybwad, 1929. 24 p. 1 l. 8 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 21) *Title tr.*: Ammonites from the Valangian formation of Spitsbergen.

Discussion of these Cretaceous faunal zones as they occur in Siberia, the Pechora region, Novaya Zemlya and Spitsbergen.

Copy seen: DLC.

5220. FREBOLD, HANS, 1899-. Fauna, stratigraphische und palaeogeographische Verhältnisse des ostgrönländischen Zechsteins. København, C. A. Reitzel, 1931. 55 p. 5 plates (incl. map) (Meddelelser om Grønland, Bd. 84, nr. 1) *Title tr.*: The fauna and the stratigraphic and paleontological conditions of the Permian limestone formations in East Greenland.

Discussion of the Cape Stosch formation on Hold with Hope, the Depot Island formation; fossil molluscs found in the boulders by the Danish East Greenland Expeditions 1926-27 and 1929; stratigraphy; paleogeography (with the author's views on Skandik, east of Greenland in geologic time, in the light of the paleontological investigations discussed in this paper).

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5221. FREBOLD, HANS, 1899-. Faunistisch-stratigraphische Untersuchungen über die Trias Spitzbergens und der Edge Insel. (Naturwissenschaftliche Verein in Hamburg. Abhandlungen, 1929. Bd. 22, p. 293-312, 2 plates) *Title tr.*: Investigation on the Triassic fauna and stratigraphy of Spitsbergen and Edge Island. Based on fossil collections of the Hamburg Spitsbergen Expedition, 1927.

Contains descriptions of fifteen (including two new) species of ammonites, and mention of three other molluscs, of the Upper and Lower Triassic from the east coast of Vestspitsbergen and Edge Island, and of the Middle Triassic from Green Bay. Remarks on Triassic paleogeography and zoogeography. Bibliography.

Copy seen: DGS.

5222. FREBOLD, HANS, 1899-. . Fazielle Verhältnisse des Mesozoikums im Eisfjordgebiet Spitzbergens, ein Beitrag zur Entwicklungsgeschichte des Skandiks. Ergebnisse der vom Verfasser geleiteten Norwegischen Spitzbergenexpedition 1930. I. Teil. Oslo, J. Dybwad, 1931. 94 p. illus. (incl. map) 6 plates, diagrs. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 37) **Title tr.:** Relationship of the Mesozoic facies in the Ice Fiord region of Spitsbergen. A contribution to the history of development of the "Skandik". Results of the Norwegian Spitsbergen Expedition, 1930, under the author's leadership. Pt. 1.

A stratigraphic study towards clarifying the existence and extent of a land west of Spitsbergen during earlier geological periods. Bibliography, p. 93-4.

Copy seen: DLC.

5223. FREBOLD, HANS, 1899-. . Das Festungsprofil auf Spitzbergen IV. Die Brachiopoden- und Lamellibranchiatenfauna und die Stratigraphie des Oberkarbons und Unterperms nebst Beschreibung anderer Vorkommen in Svalbard. Oslo, J. Dybwad, 1937. 94 p. illus. (incl. map) 11 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. No. 69) **Title tr.:** The geological profile on Spitsbergen IV. The brachiopod and lamellibranch fauna and the upper Carboniferous and lower Permian, to which is added a description of other occurrences in Svalbard.

Description of fossil fauna from the west coast and a comparison of its stratigraphy with that of central West Spitsbergen and other arctic regions.

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5224. FREBOLD, HANS, 1899-. . Das Festungsprofil auf Spitzbergen. Jura und Kreide II. Die Stratigraphie. Oslo, J. Dybwad, 1928. 39 p. illus., plate. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 19) **Title tr.:** The geological profile of Spitsbergen. Jurassic and Cretaceous II. The stratigraphy.

Description of stratigraphic sequence of the Jurassic and Cretaceous formations based on the ammonite fauna, and a brief sketch of their stratigraphic, paleogeographic and zoogeographic position; with a bibliography (55 items).

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5225. FREBOLD, HANS, 1899-. . Das Festungsprofil auf Spitzbergen V. Stratigraphie und Invertebratenfauna der älteren Eotrias nebst Beschreibung anderer Vorkommen in Spitzbergen. Oslo, J. Dybwad, 1939. 58 p. illus., 3 plates, map. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 77) **Title tr.:** The geological profile on Spitsbergen.

V. Stratigraphy and invertebrate fauna of the older Triassic, with a description of other occurrences in Spitsbergen. Description of eighteen fossil mollusc species and four (including one new) species of brachiopods; with section on stratigraphy and a bibliography (28 items).

Copy seen: DLC.

5226. FREBOLD, HANS, 1899-. . Geologie der Jurakohlen des nördlichen Ostgrönland. København, C. A. Reitzel, 1932. 65 p. illus., incl. maps, fold. profile. (Meddelelser om Grønland, Bd. 84, nr. 5) **Title tr.:** The geology of the Jurassic coal of northern East Greenland. Based on investigations made by the author during the Three-Year Expedition to Christian X Land, 1931-1934.

Contents (1) description (in brief) of the occurrence of coal in Greenland; (2) geology (in more detail) and physical character of the coal deposits on Hochstetter Foreland; (3) comparison with others in Greenland and in northern Norway; (4) paleogeography; and (5) remarks on mining possibilities.

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5227. FREBOLD, HANS, 1899-. . Geologie von Spitzbergen, der Bäreninsel, des König Karl - und Franz-Joseph-Landes. Berlin, Gebrüder Borntraeger, 1935. x, 195 p., 2 l. illus., 8 plates (part fold.; incl. 5 maps) (*Added t.-p.:* Geologie der Erde . . . hrsg. von E. Krenkel) **Title tr.:** Geology of Spitsbergen, Bear Island, King Charles and Franz Josef Lands.

Contents tr.: Stratigraphy and relationship of formations, p. 3-150. General structure, p. 151-74. General summary, p. 174-80. Bibliography, p. 181-89. Index, p. 189-95.

"Orvin's map (in his *Outline of the geological history of Spitsbergen*, 1940, q.v.) and Frebold's memoir provide the most up-to-date picture of Spitsbergen geology and must now take the place of

Nathorst's standard account . . . 1910."
—*Polar record*, July 1944. v. 4, no. 28, p. 191.

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5228. **FREBOLD, HANS, 1899-** . Der geologische Bau Nowaja Semljas und seine Beziehungen zu anderen Gebieten im Lichte neuerer Forschungen. (Geologische Rundschau, 1940. Bd. 31, p. 634-47, illus.) *Title tr.*: Geologic structure of Novaya Zemlya and its relation to other regions in the light of recent research.

Discussion based on five Russian papers.

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5229. **FREBOLD, HANS, 1899-** . Grundzüge der geologischen Entwicklung und Struktur des arktischen Sibiriens östlich der Lena. Berlin, Borntraeger, 1942. p. 1, 35 p. sketch map, fold. table. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 2) *Title tr.*: Fundamentals of the geologic history and structure of arctic Siberia east of the Lena.

Contains a brief summary of the geologic structure of the North American and eastern Eurasian Arctic. A sketch of the chief features of geologic history for each period (east of the Lena); a tectonic summary which treats of the Verkhojansk zone of folding, the Kolyma massif, and the geosyncline of the northern part of the Chukotsk region. Bibliography of recent papers (20 items). *Table* shows a stratigraphic comparison between some Siberian arctic regions and northern Alaska and Seward Peninsula.

Copy seen: CaMAI; DN-HO.

5230. **FREBOLD, HANS, 1899-** . Grundzüge der tektonischen Entwicklung Ostgrönlands in postdevonischer Zeit. København, C. A. Reitzel, 1932. 112 p. illus. (incl. maps) 3 fold. col. plates (incl. profiles) (Meddelelser om Grønland, Bd. 94, nr. 2) *Title tr.*: Characteristic features of the tectonic development of East Greenland during post-Devonian times.

Based on geological investigations of the Young Sound region, 1931, during the Danish Three-Year Expedition. Discussion of (1) the stratigraphy and stratigraphic relations of southeastern Wollaston Foreland; (2) the age and origin of Young Inlet; (3) the significance of the Variscian (late Paleozoic)

tectonics to the early Paleozoic and Mesozoic of East Greenland; (4) Post-Devonian emergence and submergence; (5) characteristics of early tectonics in Greenland; and (6) theories on Skandik in light of the author's conclusions; bibliography, p. 111-12.

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5231. **FREBOLD, HANS, 1899-** . Die Lagerungsverhältnisse der Unterkreide im nördlichen Teil von Ostgrönland und die Frage der prätertiären Fjordanlage. København, C. A. Reitzel, 1932. 40 p. illus. (incl. profiles) (Meddelelser om Grønland, Bd. 84, nr. 6) *Title tr.*: The nature of the stratification of the Lower Cretaceous in East Greenland and the question of pre-Tertiary formations of fiords.

Discussion of the age of the East Greenland fiords, based on investigations made during the Three-Year Expedition to Christian X Land, 1931-1934; the Lower Cretaceous formations on Wollaston Foreland and Clavering Island. Includes descriptions of ten fossil molluscs. Bibliography, p. 39-40.

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5232. **FREBOLD, HANS, 1899-** . Das marine Oberkarbon Ostgrönlands; leitende Fauna, Altersstellung, Palaeogeographie. København, C. A. Reitzel, 1931. 88 p. incl. illus. (profiles) tables, 8 plates (incl. 2 maps) (Meddelelser om Grønland, Bd. 84, nr. 2) *Title tr.*: The marine upper Carboniferous in East Greenland; its important fauna, age determination, paleogeography.

Based on observations made during the Danish expeditions to East Greenland, 1926-27, 1929 and 1930. Contains (1) brief summary of previous research; (2) annotated list of fossil invertebrate species (especially brachiopods and corals) from beds in the Nathorst Fiord and Cape Stosch regions, on Clavering Island and Wollaston Foreland; (3) stratigraphic geology of the region (about 72°-75°N.), and its comparison with other arctic regions; and (4) paleogeography, with remarks on Skandik. Emendations of Frebald's data were published by Georgii Frederiks in *Fauna permiskikh otlozhenii poluostrova Kanina*, 1934, q.v.

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FREBOLD, HANS, 1899- . Das marine Oberkarbon Ostgrönlands, 1931,

see also Frederiks, G. N. Fauna perm-skikh otlozhenii poluostrova Kanina. 1934.

5233. FREBOLD, HANS, 1899-. Marines Aptien von der Koldewey Insel (nördliches Ostgrönland). København, C. A. Reitzel, 1935. 112 p. illus. (incl. maps, profiles) 8 plates. (Meddelelser om Grønland. Bd. 95, nr. 4) *Title tr.*: Marine Aptian (lower Cretaceous) of Koldewey Island, northeast Greenland.

Based on investigations made during the Danish Three-Year Expedition to East Greenland, 1931-1934. Discussion of the formations on the eastern coast of Koldewey Island, their stratigraphy and fauna, and list, with synonymy and descriptions of fossil coelenterates, brachiopods, annelid worms, molluscs and crustaceans; with remarks on the paleogeography of the lower Cretaceous of East Greenland; bibliography, p. 110-12.

Copy seen: DLC.

5234. FREBOLD, HANS, 1899-. Marines Unterperm in Ostgrönland und die Frage der Grenzziehung zwischen dem pelagischen Oberkarbon und Unterperm. København, C. A. Reitzel, 1932. 33, [3] p. illus., incl. map, profile, plate. (Meddelelser om Grønland. Bd. 84, nr. 4) *Title tr.*: Marine Lower Permian in East Greenland and the question of the distinction between the pelagic Upper Carboniferous and Lower Permian.

Contains (1) descriptions of specimens of two species of ammonites collected by the Danish expeditions to East Greenland in 1929 and 1931-34 in the "Martinien rocks" on Clavering Island, Hold with Hope, and in the Cape Franklin region; (2) stratigraphic discussion of the lower Permian formations on East Greenland; and (3) paleogeographical remarks; bibliography, p. 34-35.

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5235. FREBOLD, HANS, 1899-. Norges Svalbard- og Ishavs-undersøkel-sers ekspedisjoner sommeren 1930. Ekspedisjonen til Spitsbergen. (Norsk geografisk tidsskrift, 1930-31, pub. 1931. Bd. 3, p. 393-95) *Title tr.*: Expeditions sponsored by Norges Svalbard- og Ishavs-undersøkelser (The Norwegian Office for Svalbard Research), 1930. The Expedition to Spitsbergen. Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelel-se nr. 13, pt. 3.

Brief account (by the leader) of the Norwegian Expedition to Spitsbergen, 1930, to investigate the Mesozoic in the Ice Fiord region of West Spitsbergen; the voyage in the *Inger Elisabeth* and the geological work done.

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5236. FREBOLD, HANS, 1899-. Obere Kreide in Ostgrönland. København, C. A. Reitzel, 1934. 32 p., 2 l. illus. maps, profile, 4 plates. (Meddelelser om Grønland. Bd. 84, nr. 8) *Title tr.*: The Upper Cretaceous in East Greenland.

Based on investigations made during the Danish Three-Year Expedition to East Greenland, 1931-1934. Contains (1) description of formations on the eastern and northeastern coasts of Hold with Hope; (2) descriptions of seven (including two new) species of fossil lamellibranchiates; (3) remarks on stratigraphy (including probable distribution of the Upper Cretaceous in East Greenland); and (4) paleogeography (including Skandik). Bibliography, p. 33.

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5237. FREBOLD, HANS, 1899-. Oberer Lias und unteres Callovien in Spitzbergen. Oslo, J. Dybwad, 1929. 24 p. illus., 2 plates, maps. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 20) *Title tr.*: Upper Lias and Lower Callovien formations in Spitsbergen.

Contains description and discussion of stratigraphic and paleogeographic interpretation of ammonites from the Ice Fiord and South Cape regions of West Spitsbergen; with a bibliography (21 items).

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5238. FREBOLD, HANS, 1899-. Das Perm von Wollaston Vorland (nördliches Ostgrönland). København, C. A. Reitzel, 1932. 76 p. illus. (incl. map) 2 plates. (Meddelelser om Grønland. Bd. 94, nr. 8) *Title tr.*: The Permian on Wollaston Foreland, East Greenland.

Study of the stratigraphy of the Red Series formations on Wollaston Foreland, based on investigations made in 1931, during the Danish Three-Year Expedition. General summary of the distribution and formation of the Upper Paleozoic on Wollaston Foreland; descriptions of fourteen (including one new) forms of fossil brachiopods, lamellibranchiates and gastropods from the "Red Series"; discussion of the strati-

graphic relations of the series and of paleogeography; bibliography (46 items).

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5239. FREBOLD, HANS, 1899- . Die Schichtenfolge des Jura und der Unterkreide an der Ostküste Südwest-Spitzbergens. (Naturwissenschaftlicher Verein in Hamburg. Abhandlungen, 1929. Bd. 22, p. 251-92, 3 plates) *Title tr.*: The Jurassic and Lower Cretaceous series on the east coast of southwestern Spitsbergen.

Based on fossils collected by the Hamburg Spitzbergen Expedition, 1927, in the Agardh Mountain region. A note supplied by K. Cripp on the location of the Upper Lias formation of Agardh Bay. Description of nine (including one new) species of ammonites and mention of other molluscan forms found in the different horizons; description and discussion of the stratigraphy, with remarks on the Barents Sea and north Siberian Shelf from the paleogeographic standpoint, and with a bibliography.

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5240. FREBOLD, HANS, 1899- . Tatsachen und Deutungen zur Geologie der Arktis. (Dansk geologisk forening. Meddelelser, 1934. Bd. 8, p. 301-326, illus., fold. plate, fold. map) *Title tr.*: Geology of the Arctic and its interpretation.

Text, and a geologic map of the arctic region, showing what is known, discussing problems and differences of opinion, and pointing out where more research is needed. Includes treatment of the fault zone of North Greenland; the sedimentary strata of Ellesmere Island and pre-Devonian faulting on Feilden Peninsula (northeast Grant Land); the Caledonian faulting in East Greenland as it relates to the Skandik, and other areas, and the faulting on West Spitsbergen, Novaya Zemlya and the Taymyr Peninsula.

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5241. FREBOLD, HANS, 1899- . Über die Productiden des Brachiopodenkalkes und der Mallemukformation des nördlichen Ostgrönland und die Altersfrage einiger jungpaläozoischer Bildungen der Arktis. Oslo, J. Dybwad, 1942. 68 p. illus., 4 pl. on 2 l. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 84) *Title tr.*: On the Productidae of the brachiopod limestones and the Mallemuk formation of north-

eastern Greenland and the question of the age of some of the early Paleozoic formations of the Arctic.

Revision of the brachiopods (with description of three new species) and discussion of stratigraphy of the northeast coast of Greenland, based on collections made by the Norwegian expedition 1930, and other collections; with a bibliography (45 items).

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5242. FREBOLD, HANS, 1899- . Unterer mariner Zechstein in Ostgrönland und das Alter der Depot Island Formation. København, C. A. Reitzel, 1931. 37, [1] p. 2 plates. (Meddelelser om Grønland. Bd. 84, nr. 3) *Title tr.*: Lower marine Permian limestone formations in East Greenland and the age of the Depot Island formation.

Based on investigations made by the Danish expeditions to East Greenland 1926-27 and 1929. Contains (1) annotated list of sixteen new forms of fossil brachiopods, lamellibranchiates and gastropods from the Cape Stosch formation on Hold with Hope, and one form of ammonites from the Depot Island formation; (2) discussion of the age of these Permian fauna and of the Depot Island formation; (3) paleogeographical conclusions; bibliography, p. 38.

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5243. FREBOLD, HANS, 1899- . Untersuchungen über die Fauna, die Stratigraphie und Paläogeographie der Trias Spitzbergens auf Grund der von den Norwegischen Expeditionen gesammelten Materialien. Oslo, J. Dybwad, 1929. 66 p. illus. (incl. map, diagrs.) 6 plates (part col.) (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 26) *Title tr.*: Study of the Triassic fauna, stratigraphy and paleogeography of Spitsbergen based on materials collected by the Norwegian expeditions.

Fossils collected from the area around and south of Ice Fiord on West Spitsbergen.

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5244. FREBOLD, HANS, 1899- . Untersuchungen über die Verbreitung, Lagerungsverhältnisse und Fauna des oberen Jura von Ostgrönland. København, C. A. Reitzel, 1933. 81 p. illus., maps, profiles, 3 plates. (Meddelelser om Grønland. Bd. 94, nr. 1) *Title tr.*: Investigations of the distribution, stra-

tigraphy, and fauna of the Upper Jurassic of East Greenland.

Discussion of fossil molluscs found in various localities in East Greenland 72°30'–77°N. by the Danish Three-Year Expedition, 1931–1934; stratigraphy; tectonics; paleogeographic remarks and conclusions. Bibliography (40 items). **Copy seen:** DLC.

5245. FREBOLD, HANS, 1899–. Verbreitung und Ausbildung des Mesozoikums in Spitzbergen, nebst einer Revision der Stratigraphie der Jura und der Unterkreide in Nowaja Semlja und einem Entwurf der mesozoischen Entwicklungsgeschichte des Barentssee-schelfes. Oslo, J. Dybwad, 1930. 126 p. illus., 33 plates, maps (part col.) (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 31) **Title tr.:** The extension and form of the Mesozoic in Spitzbergen; a revision of the Jurassic and Lower Cretaceous stratigraphy of Novaya Zemlya, and a sketch of the Mesozoic evolution of the Barents Sea shelf.

Includes description of fossils and stratigraphy of West Spitzbergen and Novaya Zemlya; with a bibliography (66 items). **Copy seen:** DLC.

5246. FREBOLD, HANS, 1899–. Weitere Beiträge zur Kenntnis des oberen Paläozoikums Ostgrönlands. I. Die Fauna und stratigraphische Stellung der oberpaläozoischen weissen Blöcke (Kap Stosch Formation) Ostgrönlands. København, C. A. Reitzel, 1933. 61 p. sketch map, 6 plates. (Meddelelser om Grønland. Bd. 84, nr. 7) **Title tr.:** Further contributions to the Upper Paleozoic of East Greenland. I. The fauna and stratigraphy of the Upper Paleozoic white boulders (Cape Stosch formation) of East Greenland.

Based on investigations made during the Danish Expeditions to East Greenland, 1926–1927, 1929 and 1930, this paper contains (1) description of the Cape Stosch formation (on Hold with Hope); (2) annotated list of twenty fossil molluscs and brachiopods; (3) remarks on stratigraphy; and (4) paleogeography. Bibliography, p. 60–61. **Copy seen:** DLC.

5247. FREBOLD, HANS, 1899–, and A. NOE-NYGAARD. Marines Jungpaläozoikum und Mesozoikum von der Traill-Insel (Ostgrönland). København,

C. A. Reitzel, 1938. 37, [1] p. illus. (incl. maps, profile) plate. (Meddelelser om Grønland. Bd. 119, nr. 2) **Title tr.:** Marine Upper Paleozoic and Mesozoic of Traill Island (East Greenland).

Report on work done by several people on the southern and northern coasts of the island, during 1932 and 1933.

Contents tr.: Noe-Nygaard, A. Description of the profiles.

Frebald, H. Paleontology and Stratigraphy. (Description of seven brachiopod species from the upper Paleozoic, of one ammonite and one *Aucella* species from the Mesozoic; and remarks on the two formations). Bibliography (33 items). **Copy seen:** DSI-M.

5248. FREBOLD, HANS, 1899–, and E. STOLL. Das Festungsprofil auf Spitzbergen. III. Stratigraphie und Fauna der Jura und der Unterkreide. Oslo, J. Dybwad, 1937. 85 p. illus. (map, diagr.) plate. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 68) **Title tr.:** The geological profile on Spitzbergen. III. Stratigraphy and fauna of the Jurassic and Lower Cretaceous.

The paleontology is based on the collections of the Norwegian expeditions to West Spitzbergen 1921 and 1930; the stratigraphy is based on Frebald's own research as leader of the 1930 expedition.

Contents tr.: Stoll, E. Paleontological part. (Systematic list, with notes and descriptions of one crinoid, one polychaete and over one hundred mollusc species of fossils).

Frebald, H. Stratigraphic part. (Sequence of layers in the profile; fossil content of the different horizons; other Jurassic and Lower Cretaceous occurrences in Spitzbergen, gaps in the layers and sequence of transgression and regression in the Jurassic and Lower Cretaceous; and comparison of West Spitzbergen with East Greenland). Bibliography (77 items).

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FREBOLD, HANS, 1899–, see also Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. R. 1: Arktis. 1942–43.

FREBOLD, HANS, 1899–, see also Kolloquium über Arktis, 1930. Vorträge. 1930.

FREBOLD, HANS, 1899-, see also Salfeld, H., & H. Frebold. Jura- u. Kreidefossilien Nowaja Semlja. 1924.

5249. FREDENHOLM, AXEL. Nordmannaspår i Amerika. Jönköping, H. Hall, 1922. 30 p. illus., map (on cover). **Title tr.:** Traces of the Norsemen in America.

Describes voyages of the Norsemen to America; relics and monuments left by them in Massachusetts, Rhode Island, and elsewhere; notes mention of their discoveries in old Icelandic and Latin manuscripts. Includes bibliography.

Copy seen: NNSStef.

FREDERICK, LESLIE M., see Dendy, A., & L. M. Frederick. Porifera (Canad. Arctic Exped.) 1924.

5250. FREDERIKS, GEORGH NIKO-LAEVICH. *Daviesiella gigantea* i so-provohzdaŭshchie ee formy iz nizhnego Karbona Bol'shezemel'skoj tundry. (Akademiâ nauk SSSR. Geologicheskii muzei. Trudy, 1926. T. 1, p. 29-46, illus., plate) **Title tr.:** *Daviesiella gigantea* and associated forms from the carboniferous rocks of Bol'shezemel'skaya Tundra.

Descriptions of two new species of brachiopods from a collection made by N. A. Kulik, in upper Paleozoic rocks of the Bol'shezemel'skaya Tundra, 1915; with a list of fifteen brachiopods from the lower Carboniferous of the same region.

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5251. FREDERIKS, GEORGH NIKO-LAEVICH. Fauna permskikh otlozhenii poluoostrova Kanina. (Leningrad. Vsesoiŭznyi arkticheskii institut. Trudy, 1934. T. 13, p. 5-42, 5 plates, tables) **Title tr.:** The Permian fauna of Kanin Peninsula.

Based on a collection of brachiopod and mollusc fossils made by M. B. Edemski in 1929; discussion of the deposits and correlation with those of the Ural region; list of forty-two forms collected with localities in Kanin Peninsula and distribution elsewhere; descriptive notes (and illustration) of about ten new species. Author includes emendations to data in H. Frebold's *Das marine Oberkarbon Ostgrönlands*, 1931, q.v. Summary in English.

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5252. FREDERIKS, GEORGH NIKO-LAEVICH. Materialy po faune novozemel'skoj permi. (Leningrad. Vsesoiŭz-

nyi arkticheskii institut. Trudy, 1936. T. 49, p. 94-109, plate) **Title tr.:** Materials of the Permian fauna of Novaya Zemlya. Appendix to V. M. Lazurkin and E. N. Freiberg, *K geologii Novoi Zemli*, q.v.

List, with synonymy, references and discussion of correlation, of about twenty-eight fossil species of molluscs, brachiopods, and bryozoans, including description of one new species, *Munella borealis*. Summary in English.

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5253. FREDERIKS, GEORGH NIKO-LAEVICH. On some Moscovian spiriferids from Novaya Zembla. Oslo, 1927. 10 p. plate. (Norske Novaja Semlja Ekspedisjon, 1921. Report of the scientific results. No. 35)

Published by Det Norske videnskapsakademi i Oslo. (Videnskapsselskapet i Kristiania). Fossil brachiopods from the Carboniferous collected just north of Mashigin Fiord. **Copy seen:** DLC.

5254. FREDERIKSEN, VALDEMAR CHRISTOFFER, 1872-. Fund af eskimohuse af kap York-typen, uddrag af en beretning til Svendborg amts museum. (Meddelelser om Grønland, 1912. Bd. 50, p. 391-97, illus.) **Title tr.:** The finding of Eskimo houses of the Cape York type; excerpt from a report to the Svedenborg County Museum.

Description of Eskimo ruins, observed (during an official journey) at various places in the Sukkertoppen District.

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5255. FREDERIKSEN, VALDEMAR CHRISTOFFER, 1872-. Om betydningen af "Etah". (Meddelelser om Grønland, 1925. Bd. 59, p. 7-10) **Title tr.:** On the meaning of "Etah".

Discussion of the meaning of the Greenland place name Etah.

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5256. FREDERIKSEN, VALDEMAR CHRISTOFFER, 1872-. Om det gamle eskimoraab til de første søfarende efter nordbotiden. (Meddelelser om Grønland, 1925. Bd. 59, p. 1-5) **Title tr.:** On the old Eskimo outery greeting the first voyagers succeeding the Norsemen.

Discussion of the meaning of the outery described by Hall, Egede and others.

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FREDERIKSEN, VALDEMAR CHRISTOFFER, 1872-, see also Mooney, J. Greenland Eskimo. 1916.

5257. FREEDEN, W. von. Die wissenschaftlichen Ergebnisse der ersten deutschen Nordfahrt, 1868. (Petermanns geographische Mitteilungen, 1869. Bd. 15, p. 201-219, incl. tables, chart) *Title tr.*: The scientific results of the First German North Polar Expedition 1868.

Translation in English of extracts from this paper was published in: U. S. Hydrographic Office, *Papers on the eastern and northern extensions of the Gulf Stream*, 1871, p. 117-33, q.v. A lecture delivered before the Society of Arts and Sciences, Hamburg, Dec. 1868, and published May 1869, as *Mittheilung aus der nord-deutschen Seewarte*, Nr. 1.

The expedition, under Karl Koldewey cruised the waters of Greenland Sea in the *Germania*, May 25-Sept. 27, in two attempts to reach the east coast of Greenland, then sailed to the west and north of West Spitsbergen and in waters around it. Meteorologic, hydrographic and magnetic observations were made throughout the trip. The author describes the cruise and the work of the expedition; discusses the ice conditions, currents, surface and deep sea temperature, meteorology and magnetic variation in the Greenland Sea and waters north of Svalbard.

Tables: Daily meteorologic observations including surface water temperatures, May 25-Sept. 29; bottom sediments of thirty-nine stations; monthly summary of wind direction and force, hours of fog, rain, and snow; compass variation observations.

Chart: Surface temperature of Greenland Sea. *Copy seen*: DLC.

FREEDMAN, JACOB, 1911- , see Wahrhaftig, C. A., & J. Freedman. Coal deposits Healy R. 1945.

5258. FREEMAN, LEWIS RAN-SOME, 1878- . The nearing North. New York, Dodd, Mead & Co. [1928] xii, 385 p. 31 plates, incl. ports.

The journalist describes his river trips in northern Canada, on the Slave, Mackenzie and Nelson, and others; the Hudson Bay Railroad to the end of steel, and work of the Hudson's Bay Co. throughout these regions.

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FREEMAN, MILLER, see Babcock, J. P., & others. Investigations I. F. C. to Dec. 1930. 1930.

FREEMAN, MILLER, see also Babcock, J. P., & others. Report International Fisheries Commission. 1931.

FREEMAN, NORMAN L., see Thompson, W. F., & N. L. Freeman. History Pacific halibut fishery. 1930.

5259. FREEMAN, OTIS W. Alaska. (In: Haas, W. H., ed. The American empire. Chicago, 1940. p. 151-215, 3 plates)

A sketch of the economic geography of Alaska with notes on physiography, climate, peoples, transportation and resources.

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FRESE, H. L., see Paul, J. H., & H. L. Freese. Epidemiological & bacteriological study. 1933.

5260. FREIBERG, E. Promyslovo-biologicheskaiâ s'emka s samoleta (Sovetskaiâ Arktika, 1940, no. 4, p. 95-96) *Title tr.*: Commercial and biological survey made from an airplane.

In 1938, the Yamal Expedition of the Arctic Agricultural Institute carried out an experiment to determine the location of animals and birds (especially arctic foxes) by the aerovisual method. The method is reported here to have been found effective.

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5261. FREIBERG, E. N. Skoplenie uglâ v raione bukhty Tiksi. (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy, 1936. T. 59, p. 47-62, illus.) *Title tr.*: Coal accumulations in the region of Tiksi Bay.

Investigation of local deposits as a source of supply for the base at Tiksi. Summary in English.

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FREIBERG, E. N., see also Lazurkin, V. M., & E. N. Freiberg. K geologii Novoî Zemli. 1936.

5262. FREIDAY, DEAN. The seals and the sealers. (Alaska life, Oct. 1945. v. 8, no. 10, p. 30-37, illus.)

Account of the Aleuts of the Pribilof Islands, the habits of the fur seal, and methods of killing the seals.

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5263. FREIMAN, S. Iu. Materialy k promyslovoi biologii tûlenei Dal'nego Vostoka. (Moskva. Vsesoiûznyî nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii.

Trudy, 1935. T. 3, p. 184-203) *Title tr.*: Contributions to commercial biology of Far Eastern seals.

Descriptions of feeding habits and herding of five varieties of seals in Okhotsk and Bering Seas. Summary in German. *Copy seen*: DLC.

5264. FREIMAN, S. IŮ. Materialy po biologii chukotskogo morzha. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoz'iaistva i okeanografii. Izvestiia, 1940. T. 20, p. 3-20, tables, diagrs.) *Title tr.*: Contributions to the biology of the Chukotsk walrus.

Results of the author's study during trips with sealing parties, June-Oct. 1937, in Bering and Chukchi Seas, including observations on the age and rate of growth (of body and tusks), and biology of reproduction. Bibliography (8 items). *Copy seen*: DLC.

5265. FREIMAN, S. IŮ. Promyslovaia kharakteristika severnoi chasti Okhotskogo moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoz'iaistva i okeanografii. Trudy, 1935. T. 3, p. 204-212, illus. (maps)) *Title tr.*: Description of commercial sealing in the northern part of Okhotsk Sea.

A description of five varieties of seals from the point of view of their importance for the sealing industry, their distribution in the region, herds and a table of weights.

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5266. FREIMAN, S. IŮ. Raspredelenie lastonogikh v moriakhi Dal'nego Vostoka. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoz'iaistva i okeanografii. Trudy, 1935. T. 3, p. 157-60; illus. map) *Title tr.*: The distribution of pinnipeds in Far Eastern Seas.

Brief account of the distribution of seals and walrus in Okhotsk and Bering Seas. *Copy seen*: DLC.

FREIMAN, S. IŮ., *see also* Dorofeev, S. V., & S. IŮ. Freiman. Aërofotos'emka kak metod ucheta tiulenia. 1933.

FREIMAN, S. IŮ., *see also* Dorofeev, S. V., & S. IŮ. Freiman. Morskije mlekopitaishchie Dal'nego Vostoka. 1935.

FREIMAN, S. IŮ., *see also* Dorofeev, S. V., & S. IŮ. Freiman. Napravlenie razvitiia promysla lastonogikh. 1935.

FREIMANN, J., *see* International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung 1928. 1929.

5267. FREIMANN, L. S. Opyty po akusticheskomu zondirovaniu stratosfery v Arktike v techenie 2-go Mehdunarodnogo poliarnogo goda. (Vsesoiuznaia konferentsiia po izucheniiu stratosfery, Leningrad, 1934. Trudy, pub. 1935. p. 139-44) *Title tr.*: Experiments in acoustic sounding of the stratosphere in the Arctic in the course of the Second International Polar Year.

Translation in English was published in Proceedings of the All-Union Conference for the Study of the Stratosphere, March 31-April 6, 1934, pub. Moscow-Leningrad, 1938, p. 99-104.

Results reported of twenty-eight special explosions, set off during 1932-33 at four stations: Hooker Island in Franz Josef Land, and Cape Zhelaniya, Russkaya Gavan' and Matchekin Shar on Novaya Zemlya; determinations of anomalous sound propagation in the atmosphere even without light for some weeks; and remarks on influence of wind and atmosphere. *Copy seen*: DLC.

5268. FRENCH, C. A., and R. G. MADILL. Magnetic results, 1927-1937. (Canada. Dominion Observatory, Ottawa. Publications, 1940. v. 11, p. 259-326, incl. 54 p. of tables)

Includes results, 1927-37, from the following stations (for the dates indicated):

Arctic Red River, Northwest Territories, 1923, 1931.

Baker Lake, N. W. T., 1933, 1937. Battle Harbour, Labrador, 1905, 1914, 1921, 1923, 1925, 1934.

Cape Dorset, N. W. T., 1922, 1934, 1937.

Cape Hopes Advance, Ungava Peninsula, 1928.

Cape Smith, N. W. T., 1934, 1937. Carcross, Yukon Territory, 1934. Cartwright, Labrador, 1934.

Charlton Island, N. W. T., 1934. Chesterfield, N. W. T., 1932-1933, 1937.

Craig Harbour, N. W. T., 1934. Dawson, Y. T., 1907, 1924, 1934.

Dundas Harbour, N. W. T., 1934. Hay River, Vale Pt. N. W. T., 1923, 1931.

Hebron, Labrador, 1937.

Lake Harbour, N. W. T., 1922, 1934, 1937.

Norman, N. W. T., 1923, 1931.

Nottingham Island, N. W. T., 1928.

Pangnirtung, N. W. T., 1934.

Pond Inlet, N. W. T., 1934.

Port Burwell, Labrador, 1928, 1934, 1937.

Port Harrison, Ungava Pen., 1934, 1937.

Repulse Bay, N. W. T., 1937.

Resolution Bay, N. W. T., 1922, 1931.

Resolution Island, N. W. T., 1928.

Selkirk, Y. T., 1907, 1924, 1934.

Simpson, N. W. T., 1910, 1923, 1931.

Southampton Island, N. W. T., 1934.

Stewart, Y. T., 1907, 1924, 1934.

Tantalus, Y. T., 1907, 1924, 1934.

Wakeham Bay, Ungava Pen., 1928, 1937.

Whitehorse, Y. T., 1907, 1924, 1934.
Wolstenholme, Ungava Pen., 1934, 1937.

Wrigley, N. W. T., 1923, 1931.

Appendix: No. 1. Details of magnetic observations in Hudson Bay, Hudson Strait, and eastern Canada, p. 313-20.
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5269. FRENCH, LEIGH HILL, 1863-. Nome nuggets. Some of the experiences of a party of gold seekers in northwestern Alaska in 1900. By L. H. French . . . In charge of the expedition of the Cape Nome Hydraulic Mining Company. New York, Montross, Clarke & Emmons, 1901. xxi, [23]-102 p. incl. front., illus., 14 plates, ports.

The author mined gold in the Nome and Seward Peninsula regions beginning 1900. He describes here the Nome gold rush, the physical features of the region, the West Alaska Eskimos, the routes to Nome, the occurrence of gold and methods of obtaining it.

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5270. FRENCH, LEIGH HILL, 1863-. Seward's land of gold; five seasons experience with the gold seekers in northwestern Alaska. New York, Montross, Clark & Emmons [1905?] 3 p. l., xii p., 1 l., 101 p. front. 46 plates, ports.

Essentially the same text as the author's *Nome nuggets*, 1901, q.v.

Copy seen: DLC; NNStef.

FRESA, ALFONSO, *see* Bove, G. *Pasaggio Nord-Est Vega* (1878-79). 1940.

5271. FREUCHEN, PETER, 1886-. Arctic adventure; my life in the frozen

North. New York, Farrar & Rinehart, [c1935] ix, 467 p. incl. illus., ports., maps, maps on lining-papers. English translation of *Min grønlandske ungdom*, 1936, with additional text and illustrations.

Account of the author's experiences as a member of the *Danmark* expedition to East Greenland, 1906-1907; the meteorological, geological and geographic investigations; events leading to the establishment of the Thule mission and trading post in northwest Greenland by Knud Rasmussen, 1910; encounters with American explorers in Greenland; the Eskimos, geography, the wildlife, vegetation, sledge and hunting trips, a sledge journey on the inland ice; the Thule expeditions.

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5272. FREUCHEN, PETER, 1886-. Eskimo. Tr. by A. Paul Maerker-Branden and Elsa Branden. New York, Horace Liveright, 1931. 504 p. front. Translated from the Danish, *Storfanger*, 1927.

A novel of the Eskimos of Cape York in northwest Greenland, being the story of Mala and the primitive people with whom the author lived for many years, having married one of its women; with an introduction by Rockwell Kent.

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5273. FREUCHEN, PETER, 1886-. Fuglelivet i Nordvestgrønland. Iagttagelser fra mit vindue. (Dansk ornithologisk forening. Tidsskrift, Dec. 1921. Aarg. 15, p. 101-108) *Title tr.:* Bird life in northwest Greenland. Observations through my window.

Notes from the author's stay at Thule, North Greenland.

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5274. FREUCHEN, PETER, 1886-. General observations as to natural conditions in the country traversed by the expedition. (Meddelelser om Grønland, 1915. Bd. 51, p. 341-70. plates)

Physical geography of North Greenland, with special regard to glaciers and the inland ice, as observed in the First Thule Expedition, 1912.

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5275. FREUCHEN, PETER, 1886-. Ivalu; en roman fra polareskimoernes land. [København] S. Hasselbalch, 1930. 239 p. *Title tr.:* Ivalu. A novel from the land of the Polar Eskimos.

Also published in English translation as *Ivalu, the Eskimo wife*. New York, L. Furman, Inc., [c1935], 332 p.; and in German, as *Ivalu*, [Berlin, Büchergilde Gutenberg, 1931] 217 p.

A novel, based on the author-explorer's studies and intimate knowledge of the Polar Eskimos, combining fact and fiction. Tells the story of a girl who, while still a child, met Peary and became obsessed with the idea of marrying a white man. After having married first an intrepid Eskimo hunter, she meets a white man and becomes his wife. *Copy seen:* NNStef.

5276. FREUCHEN, PETER, 1886- . Lidt om polarulven. (Grønlandske selskab. Aarsskrift, 1919. p. 17-29) *Title tr.:* A few words about arctic wolves.

Recounts his own and other explorers' encounters with wolves in various regions of Greenland. *Copy seen:* NN.

5277. FREUCHEN, PETER, 1886- . Meteorological observations. (Meddelelser om Grønland, 1915. Bd. 51, p. 413-26)

Scientific results of the First Thule Expedition, 1912. Remarks and data on meteorological observations made one to four times daily on the eastward journey over the inland ice from Cape Robertson (77°54'N. 71°52'W. on the Smith Sound coast of North Greenland) toward Danmark Fiord, Apr. 14-May 9, 1912; one to four times daily meteorological observations made during the exploration of glacier lakes, fiords and other intermediate areas between the coast (of the Danmark-Independence Fiords region) and the inland ice, May 15-Sept. 9, 1912. *Copy seen:* DLC.

5278. FREUCHEN, PETER, 1886- . Min anden ungdom. København, Gyldendal, 1938. 233 p. front., plates, ports., map. *Title tr.:* My second youth.

Description of the author's life and experiences from 1921 to 1929; the start of the Fifth Thule Expedition in the *Sokongne*, 1921, and the headquarters on Vansittart Island (about 66°N., 82°-84°W.); comments on accomplishments of the expedition; reminiscences from the Canadian Arctic, Greenland, Siberia, Denmark, America, etc.; remarks on other arctic explorers and expeditions; inland ice expeditions; and brief notes on the

Eskimos, wind, weather, temperature and ice conditions, etc. Includes map of area covered by the Fifth Thule Expedition, 1921-24.

Copy seen: DLC; NN.

5279. FREUCHEN, PETER, 1886- . Min grønlandske ungdom. København, Gyldendal, 1936. 325 p. front., plates, ports. *Title tr.:* My youth in Greenland. English version published as *Arctic Adventure*, 1935, q.v. *Copy seen:* DLC.

5280. FREUCHEN, PETER, 1886- . Nordboerne ved Upernivik. (Grønlandske selskab. Aarsskrift, 1919. p. 48-53) *Title tr.:* The Norsemen at Upernavik.

Discusses investigation of the house ruins at Umiarfik, West Greenland (about 72°N. 56°W.), found by pastor Rossen; declares them to be Eskimo houses; refutes pastor Rossen's statement that they are remnants of Norse medieval settlements. Includes supplementary remarks by Freuchen's companion to Umiarfik, Dr. H. Bryder, who suggests archeological investigations at Inugsuk. *Copy seen:* NN.

5281. FREUCHEN, PETER, 1886- . Om ederfuglene i Kap York-distriktet. (Geografisk tidsskrift, 1921-22. København, 1922. Bd. 26, p. 49-57) *Title tr.:* On eider ducks in the Cape York district.

Remarks on the occurrence of eider ducks in the Cape York region, Eskimo eider duck "picnics", methods of hunting the birds, importance of their eggs and meat in the Eskimo diet.

Copy seen: DLC.

5282. FREUCHEN, PETER, 1886- . Om hvalrossens forekomst og vandringer ved Grønlands vestkyst. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1921. Bd. 72, p. 237-49) *Title tr.:* On the occurrence and migration of walrus along the west coast of Greenland. *Copy seen:* DLC.

5283. FREUCHEN, PETER, 1886- . Om plantekost hos Smith-sund eskimorne. (Geografisk tidsskrift, 1917-18. København, 1918. Bd. 24, p. 306-310) *Title tr.:* On food of the Smith Sound Eskimos derived from the vegetation.

Discussion of willows, certain flowering plants, mushrooms, berries, etc. used in the diet of the Smith Sound Eskimos. *Copy seen:* DLC.

5284. FREUCHEN, PETER, 1886- . Om rener og moskusokser i Kap York distriktet. (Geografisk tidsskrift, 1911-12, Kjøbenhavn, 1912. Bd. 21, p. 144-46) *Title tr.*: On reindeer and musk oxen in the Cape York region.

Speculations on causes of the non-occurrence of reindeer and musk oxen in the Cape York region of northwest Greenland. *Copy seen*: DLC.

5285. FREUCHEN, PETER, 1886- . Report of the First Thule Expedition, Scientific work [Zoology]. (Meddelelser om Grønland, 1915. Bd. 51, p. 387-411)

Field notes on ten species of animals and twelve birds (and tracks) seen by Rasmussen and Freuchen in North Greenland and fiords in the course of the First Thule Expedition in 1912; with remarks on game conditions (especially musk oxen) in the Peary Land and Danmark Fiord regions.

Copy seen: DLC.

5286. FREUCHEN, PETER, 1886- . Roald Amundsens nordpolsflyvning 1925. (Geografisk tidsskrift, Kjøbenhavn, 1925. Bd. 28, p. 133-39) *Title tr.*: Roald Amundsen's north polar flight, 1925.

Copy seen: DLC.

5287. FREUCHEN, PETER, 1886- . Sibiriske eventyr. Kjøbenhavn, Frederik E. Pedersen, 1939. 329 p. cover illus. *Title tr.*: Siberian adventures.

An account of the author's travels through Siberia. *Copy seen*: NN.

FREUCHEN, PETER, 1886- , *see also* Degerbøl, M., & P. Freuchen. Mammals. Fifth Thule Exped. 1935.

FREUCHEN, PETER, 1886- , *see also* Hørring, R., & others. Birds collected 5th Thule Exped. 1937.

FREUCHEN, PETER, 1886- , *see also* Mathiassen, T. Contributions to geog. Baffin Land & Melville Pen. 1933.

FREUCHEN, PETER, 1886- , *see also* Mathiassen, T. Med Rasmussen blandt Amerikas eskimoer. 1926.

FREUCHEN, PETER, 1886- , *see also* Mathiassen, T. Mit Rasmussen bei amerikanischen Eskimos. 1928.

FREUCHEN, PETER, 1886- , *see also* Rasmussen, K. J. V. Fra Grønland til Stillehavet. 1925.

FREUCHEN, PETER, 1886- , *see also* Rasmussen, K. J. V. Mindeudgave. 1934-35.

5288. FREY, RICHARD. Bidrag till kännedomen om Finlands harkrankar (Dipt.). (Societas pro fauna et flora fennica. Memoranda, 1932-33, pub. 1933. v. 9, p. 29-31) *Title tr.*: A contribution to the knowledge of crane flies (Dipt.) of Finland.

Contains a list of thirteen species of crane flies, including nine native to Finnish and Russian Lapland and the Kuusamo region, with critical notes and data on distribution.

Copy seen: MH-A.

5289. FREY, RICHARD. *Cephenomyia ulrichi* Brauer, en på alg levande, för landet ny oestrid. (Societas pro fauna et flora fennica. Meddelanden, 1913-14, pub. 1914. Häfte 40, p. 117-19, illus.) *Title tr.*: *Cephenomyia ulrichi* Brauer, an oestrid living on Algae, a newcomer to Finland.

Contains a list of six species of bot-flies, fam. Oestridae, including *Cephenomyia trompe*, native to Finnish and Russian Lapland, and comparison with *C. ulrichi*, new to the entomological fauna of Finland.

Copy seen: MH-A.

5290. FREY, RICHARD. Diptera Brachycera aus den arktischen Küstengegenden Sibiriens. St.-Petersburg, 1915. 1 p. l., 35 p. tables. (Russkaja poljarnaja ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. E., vol. 2, livr. 10. Pub. as: Akademiia nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique, vol. 29, no. 10) *Title tr.*: Diptera Brachycera of the arctic coasts of Siberia.

Contains a discussion of the distribution and typical zones of the flies, a systematic annotated list, with localities and distribution, of fifty-one (including with descriptions, thirteen new) species from Taymyr Peninsula, the tundra between Yana and Lena River mouths, and the New Siberian Islands; and a bibliography (40 items).

Copy seen: DSI-M.

5291. FREY, RICHARD. Dipterologiska notiser. (Societas pro fauna et flora fennica. Meddelanden, 1910-11, pub. 1911. Häfte 37, p. 91-92, 230) *Title tr.*: Notes on Diptera.

Contains a discussion on nine families of these insects with one hundred thirty-eight species, including eight arctic species distributed in Scandi-

navia and European and Asiatic Russia. Summary in German.

Copy seen: MH.

5292. FREY, RICHARD. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 36. Diptera Brachycera. 5. Empididae, Micropezidae, Lauxaniidae, Chloropidae. [Stockholm, 1935] 8 p. (Arkiv för zoologi. Bd. 28A, no. 10) *Title tr.:* Entomological results of the Swedish Kamchatka Expedition, 1920-22. 36. Diptera Brachycera. 5. Empididae, Micropezidae, Lauxaniidae, Chloropidae.

Annotated list, with localities, of twenty-one (including with descriptions, nine new) species and subspecies of flies.

Copy seen: DSI-M.

5293. FREY, RICHARD. Entomologiska meddelanden. (Societas pro fauna et flora fennica. Meddelanden, 1914-15, pub. 1915. Häfte 41, p. 43) *Title tr.:* Entomological notes.

Contains critical notes on three species of dragonflies (Odonata), including *Agrion vemale* Hagen (*lunulatum* Charp.) native to Kola Peninsula.

Copy seen: DLC; MH-A.

5294. FREY, RICHARD. Finlands *Sarcophaga*- och *Onesia*-arter, bestämda af J. Villeneuve. (Societas pro fauna et flora fennica. Meddelanden 1908-1909, pub. 1909. Häfte 35, p. 90-92) *Title tr.:* *Sarcophaga* and *Onesia* species of Finland.

Contains a list of nineteen species of insects of the dipterous genus *Sarcophaga* and four of *Onesia*, determined by Dr. J. Villeneuve. Includes *S. haematodes* from Kemi Lapland, and *O. genarum* from "Lapponia".

Copy seen: MH-A.

5294A. FREY, RICHARD. För faunan nya arter av nematocersläktet *Trichocera* Meig. (Societas pro fauna et flora fennica. Memoranda, 1929-30, pub. 1929. v. 6, p. 6-7) *Title tr.:* Species of nematocerous genus *Trichocera* Meig, new to the fauna of Finland.

Contains a list of four species of dipterous genus *Trichocera* (fam. Rhyphidae) new to the insect fauna of Finland, and another list of four species known previously from Finland, including six native to Finnish and Russian Lapland.

Copy seen: MH-A.

5295. FREY, RICHARD. För Finlands fauna nya Diptera. (Societas pro fauna

et flora fennica. Meddelanden, 1922-23, pub. 1925. Häfte 49, p. 3-4) *Title tr.:* Diptera new to fauna of Finland.

Contains a list of eight insects new to the fauna of Finland, including *Glabbula arctica* native to Muonio, Kemi Lappmark in Finland, and Kandalaksha, Kola Peninsula.

Copy seen: MH-A.

5296. FREY, RICHARD. Förteckning över Finlands chloropider, bestämda av O. Duda. (Societas pro fauna et flora fennica. Memoranda, 1932-33, pub. 1933. v. 9, p. 128-39) *Title tr.:* Enumeration of Chloropidae of Finland determined by O. Duda.

Contains a systematic list of eighty-one species of these flies, based on collections of the Finnish Museum, Helsinki, including many native to Finnish and Russian Lapland.

Copy seen: MH-A.

5297. FREY, RICHARD. Förteckning över Finlands Scatopsider, på grundvalen av O. Dudas revision av vårt material. (Societas pro fauna et flora fennica. Memoranda, 1929-30, pub. 1930. v. 6, p. 151-52) *Title tr.:* List of Scatopsidae of Finland based on O. Duda's revision of Finnish material.

Contains a systematic list of seventeen species of Scatopsidae, based chiefly on a revision of that family of Diptera by O. Duda. Includes nine species of these flies native to Finnish and Russian Lapland.

Copy seen: MH-A.

5298. FREY, RICHARD. Några nykomlingar för Finlands empidid och dolichopodidfauna. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929. v. 5, p. 111-13) *Title tr.:* Some newcomers to Empididae and Dolichopodidae fauna of Finland.

Contains critical notes and data on distribution of five predaceous brachycerous flies of fam. Empididae and Dolichopodidae, found in 1928 by the author in the Petsamo region; some extending to Finnish Lapland and Kola Peninsula. Summary in German.

Copy seen: MH-A.

5299. FREY, RICHARD. Provisorisk förteckning över Finlands culicider. (Societas pro fauna et flora fennica. Meddelanden, 1920-21, pub. 1921. Häfte 47, p. 98-102) *Title tr.:* A provisional list of Culicidae of Finland.

Contains a provisional list of twenty-two species of mosquitoes (Culicidae), including five native to Finnish and Russian Lapland.

Copied seen: MH-A.

5300. FREY, RICHARD. Tre för landets fauna nya harkrankar. (Societas pro fauna et flora fennica. Memoranda, 1925-26, pub. 1927. v. 2, p. 12) *Title tr.*: Three crane flies new to Finland.

Contains data on distribution of *Tipula rubripes*, a daddy-long-legs, found in Kuusamo, Finland, also in Kandalaksha and Khibiny, Kola Peninsula.

Copied seen: MH-A.

FREY, RICHARD, see also Strand, E. Neue Beitr. z. Arthropoden-Fauna. I-XXVI. 1910-16.

FRIBERG, NILS, see Ahlmann, H. W. Geomorphology. Swedish-Norwegian Exped. 1931. 1933.

5301. FRIBORG, A. E. Family life on the mist islands. (Alaska sportsman, Aug. 1939. v. 5, no. 8, p. 18-19, 35-37, illus.)

Notes on the habits and life history of the fur seal of the Pribilof Islands.

Copied seen: DLC.

5302. FRIDLAND, S. K ugol'noi probleme Krainego Severa. (Sovetskii Sever, 1934. T. 5, p. 45-51) *Title tr.*: The coal problem in the far North.

General discussion of the investigation of the Soviet Arctic for coal deposits to supply the Northern Sea Route shipping needs.

Copied seen: DLC.

5303. FRIDLAND, S. M. I'anskaiâ kompleksnaiâ ekspeditiia Glavsevmorputi. (Problemy Arktiki, 1937, no. 1, p. 163) *Title tr.*: Complex Expedition of the Administration of Northern Sea Route to the Yana River.

Brief general information on this multi-purpose Yana Expedition, 1936. Summary in English, p. 193-94.

Copied seen: DLC.

5304. FRIDOLIN, VLADIMIR IUL'E-VICH. Differentzial'naiâ fenologiia i iskluchitel'nyi 1934 god v Khibinskoï gornoï strane. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 64, vyp. I, p. 80-107, illus.) *Title tr.*: Differential phenology and the unusual year 1934 in the Khibina Mountain region.

Description of the unusual weather conditions prevailing in 1934 and their effect on the seasonal appearance of the flora and biology of fauna, including insects, of the region.

Copied seen: DLC.

5305. FRIDOLIN, VLADIMIR IUL'E-VICH. Fauna Severnogo Urala kak zoogeograficheskaia edinit'sa i kak biotšenoticheskoe tseloe. (In: Ural; pripolarnye raiony, 1935. p. 245-70, illus.) *Title tr.*: The Urals as a zoogeographical unit and a biocenotic complex.

Discussion of the North Ural region as a separate zoogeographical zone, distinct from that of Siberia and eastern Europe; the forest taiga and mountain tundra elements in its landscape complex; plant and animal life characteristic of each, and interrelations within the life groups. Based on the author's work in the area and on collections brought back by the North Ural expeditions. Summary in English.

Copied seen: DLC.

5306. FRIDOLIN, VLADIMIR IUL'E-VICH. Izuchenie nasekomykh Khibinskikh gor v sviazi s voprosom o kolonizatsii kraia. (In: Khibinskie apatity, 1932. T. 2, p. 446-51, illus. fold. diagr.) *Title tr.*: Study of insects in the Khibina Mountains in connection with the colonization of the region.

Report on the zoogeographical investigation of the Vud'yavr Lakes basin in central Kola Peninsula, by the expedition of the Apatite Trust and Malarial Commission of the Zoological Museum of the Academy of Sciences in 1930. Includes data on various insects in the region as serious pests to men and animals, and an obstacle to colonization. Diagram shows the conditions of development of blood-sucking mosquitoes (genus *Aedes*) and punkies (genus *Simulium*) in relation to meteorological, hydrological, and hydro-biological phenomena. Author suggests bee-keeping be tried in the region.

Copied seen: DLC.

5307. FRIDOLIN, VLADIMIR IUL'E-VICH. Zhivotno-rastitel'noe soobshchestvo gornoï strany Khibin. Biotšenoticheskie issledovaniia 1930-1935 gg. I. Moskva-Leningrad, Izd. Akademii nauk SSSR, 1936. 295 p. illus., (8 fold. diagrs. in envelope) (Akademii nauk SSSR. Kol'skaia baza. Trudy, vyp. 3)

Title tr.: Animal-plant relationships in the mountainous section of Khibiny. Biocenotic investigations, 1930-35. I.

Based on work done during the Academy of Sciences U.S.S.R. expeditions to Kola Peninsula.

Contents tr.: 1. Introduction (on methods, purpose, localities and personnel), p. 19-41.

2. Life of mosquitoes and other bloodsucking insects of the Khibiny Mountains, p. 42-108.

3. Insects, flowers and the life of higher Hymenoptera in the Khibiny Mountains, p. 109-155.

4. The rôle of various vegetation groups in the feeding of animals. (Ecologic study of insects and birds in relation to the vegetation), p. 156-241.

5. Basic features of plant and animal phenology, p. 242-95.

Copy seen: DLC.

5308. FRIDRIKSSON, ÁRNI. Boreotended changes in the marine vertebrate fauna of Iceland during the last 25 years. (*In*: Rolfeisen, G., and others. Climatic changes in the Arctic (etc.), 1949. *Pub. in*: International Council for the Study of the Sea. Rapports et procès-verbaux. v. 125, p. 30-32)

Note on fishes (principally), and whales, with respect to their more northerly occurrence.

Copy seen: DF; DGS; DLC.

FRIDTJOF NANSENS FOND TIL VIDEENSKABENS FREMME, see Nansen, F. Norwegian North Polar Expedition 1893-96. 1900-1906.

5309. FRIDTZ, R. Undersøgelser over karplanternes udbredelse i Nord Reisen. (Nytt magasin for naturvidenskapene, 1900. Bd. 37, hefte 3, p. 230-54) **Title tr.:** Investigations of the distribution of vascular plants in Nordreise.

Contains a general sketch of the vegetation of Nordreise district, Tromsø province, Norway, and a list of about two hundred vascular plants with data on habitat and local distribution.

Copy seen: MH-Z.

5310. FRIEDLAENDER, IMMANUEL, 1871- . Notizen über die Bogosloff-Inseln. (Zeitschrift für Vulkanologie, Juni, 1919. Bd. 5, p. 51-55, illus.)

Historic sketch of Bogosloff Island, its volcanic activity and island formation, drawn from earlier writers' works.

Copy seen: DGS.

5311. FRIEDMANN, HERBERT, 1900- . Additions to the avifauna of St. Lawrence Island, Bering Sea. (*Condor*, Nov. 1932. v. 34, p. 257)

First records for the island of a dotterel, and a whiskered auklet, sent to the U. S. National Museum by an Eskimo collector in 1932.

Copy seen: DSI-M.

5312. FRIEDMANN, HERBERT, 1900- . The Amur barn swallow, a new bird for North America. (*Condor*, Jan.-Feb. 1939. v. 41, p. 37)

Report of the Amur barn swallow, *Hirundo rustica gutturalis*, collected by Paul Silook at Gambell, St. Lawrence Island, Alaska.

Copy seen: DSI-M.

5313. FRIEDMANN, HERBERT, 1900- . Avian bones from prehistoric ruins on Kodiak Island, Alaska. (*Washington Academy of Sciences. Journal*, Jan. 15, 1935. v. 25, p. 44-51)

Contains annotated list of 40 species of birds, seven of which are new to the known fauna of the island (black-footed albatross, trumpeter swan, Ross' goose, lesser scaup, goldeneye, gray sea eagle, long-tailed jaeger), identified from bones excavated by Ales Hrdlička.

Copy seen: DSI-M.

5314. FRIEDMANN, HERBERT, 1900- . Bird bones from archeological sites in Alaska. (*Washington Academy of Sciences. Journal*, Oct. 15, 1937. v. 27, p. 431-38)

Contains annotated list of birds identified from bones collected by Dr. Ales Hrdlička on Kodiak and several of the Aleutian Islands: Kodiak, forty-one species of which two are new to the island — golden eagle and red-legged kittiwake; Unalaska, thirty-one species; Atka, seven species; Little Kiska, thirty-four species; Attu, seventeen species.

Copy seen: DSI-M.

5315. FRIEDMANN, HERBERT, 1900- . Bird bones from Eskimo ruins at Cape Prince of Wales, Alaska. (*Washington Academy of Sciences. Journal*, Sept. 15, 1941. v. 31, p. 404-409)

Contains an annotated list of thirty-nine species of birds identified from bones from old Eskimo middens, mostly of the Thule-Punuk period, excavated by H. B. Collins in 1936.

Copy seen: DSI-M.

5316. FRIEDMANN, HERBERT, 1900-
. Bird bones from Eskimo ruins on
St. Lawrence Island. (Washington
Academy of Sciences. Journal, Feb.
1934. v. 24, p. 83-96)

Contains an annotated list of forty-
five species of birds, of which ten are
new to the known avifauna of the is-
land, and to which may be referred the
bones from diggings in village sites,
ranging in age from 50 to 2500 years
old.

Copy seen: DSI-M.

5317. FRIEDMANN, HERBERT, 1900-
. Bird bones from old Eskimo ruins
in Alaska. (Washington Academy of
Sciences. Journal, May 1934. v. 24, p.
230-37)

Contains annotated lists of twenty-
one species of birds from the Aleutians,
twenty-four species from Kodiak, simple
list of fifteen species from Norton
Sound, and three (each) from Seward
Peninsula and Bonasila.

Copy seen: DSI-M.

5318. FRIEDMANN, HERBERT, 1900-
. The birds of Kodiak Island, Alaska.
(Chicago Academy of Sciences. Bul-
letin, Sept. 1935. v. 5, p. 13-54, sketch
map)

Notes on the island as a habitat, an
annotated list of one hundred forty-
one species, and a bibliography (92
items).

Copy seen: DSI-M.

5319. FRIEDMANN, HERBERT, 1900-
. The birds of St. Lawrence Island,
Bering Sea. Washington, D. C., 1932.
31 p., 6 plates (U. S. National Museum.
Proceedings, v. 80, article 12. Its Pub.
no. 2912)

Contains a brief description of St.
Lawrence Island, its geography, his-
tory and record of ornithological ex-
ploration, followed by description and
discussion of sixty-one species of birds
known to occur there, based on scat-
tered records and 109 skins collected by
H. B. Collins in 1930.

Copy seen: DLC.

5320. FRIEDMANN, HERBERT, 1900-
. The Chinese cormorant on Kodiak
Island, Alaska. (Condor, Jan. 1933. v.
35, p. 30-31)

Humerus of *Phalacrocorax carbo*
sinensis discovered among avian bones
in an old Eskimo kitchen midden, 1932.
Notes on probable northern range of
species.

Copy seen: DSI-M.

5321. FRIEDMANN, HERBERT, 1900-
. Further additions to the known avi-
fauna of St. Lawrence Island, Alaska.
(Condor, Mar. 1937. v. 39, p. 91)

Of seven species sent to the U. S.
National Museum by an Eskimo col-
lector, six are new records (May-Aug.
1936) for the island.

Copy seen: DSI-M.

5322. FRIEDMANN, HERBERT, 1900-
. Further records from St. Lawrence
Island, Alaska. (Condor, Mar. 1938. v.
40, p. 88)

Four species added to island record,
one of which is new for North Ameri-
ca (*Petchora pipit*).

Copy seen: DSI-M.

5323. FRIEDMANN, HERBERT, 1900-
. The green-winged teal of the Aleu-
tian Islands. (Biological Society of
Washington. Proceedings Sept. 3, 1948.
v. 61, p. 157-58)

The green-winged teal breeding on
the Aleutian Islands east to Akutan is
described as sufficiently distinct from
those of Europe, Asia, and other parts
of Alaska to warrant designation as
Anas crecca nimia.

Copy seen: DSI-M.

5324. FRIEDMANN, HERBERT, 1900-
. The Mongolian plover and other
birds at Goodnews Bay, Alaska. (Con-
dor, Mar. 1934. v. 36, p. 89)

Specimens of three species reported
were received by the U. S. National
Museum, the plover, a surf bird, and a
kittlitz murrelet.

Copy seen: DSI-M.

5325. FRIEDMANN, HERBERT, 1900-
. The mourning dove in Alaska (Auk,
1931. v. 48, p. 265)

First Alaskan record for the western
mourning dove (at Fort Yukon).

Copy seen: DSI-M.

5326. FRIEDMANN, HERBERT, 1900-
. A new race of the sharp-tailed
grouse. (Washington Academy of Sci-
ences. Journal, June 15, 1943. v. 33, p.
189-191)

Description of *Pedioecetes phasianel-
lus caurus*, ranging from north cen-
tral Alaska to southern Yukon Terri-
tory and northeastern Alberta; also
key to all forms of *Pedioecetes phasi-
anellus*.

Copy seen: DSI-M.

5327. FRIEDMANN, HERBERT, 1900-
. Notes on Alaskan birds. (Condor,
1936. v. 38, p. 173)

Hudsonian curlew and Rocky Mountain creeper are added to the known fauna of Kodiak Island; mongolian plover is reported on St. Lawrence Island, and nesting at Goodnews Bay, Alaska. Includes notes on the breeding range of peale's falcon (less extensive than previously thought).

Copy seen: DSI-M.

5328. FRIEDMANN, HERBERT, 1900- . Notes on some birds of Goodnews Bay, Alaska. (Condor, Nov. 1933. v. 35, p. 239-40)

Breeding records for pectoral sandpiper and Aleutian tern discussed, and five other species listed, all occasioned by a bird shipment to the U. S. National Museum, from Alaska.

Copy seen: DSI-M.

5329. FRIEDMANN, HERBERT, 1900- . The Polynesian tattler on St. Lawrence Island. (Condor, 1933. v. 35, p. 78)

First record for St. Lawrence Island, second North American locality, for Polynesian tattler, *Heteroscelis brevipes*.

Copy seen: DSI-M.

5330. FRIEDMANN, HERBERT, 1900- . The red-spotted bluethroats of northwestern Alaska. (Auk, 1946. v. 63, p. 434).

Taxonomic discussion of the status of *Luscinia svecica* in Siberia and Alaska.

Copy seen: DSI-M.

5331. FRIEDMANN, HERBERT, 1900- . The ruff on St. Lawrence Island. (Condor, 1934. v. 36, p. 42)

First record of the ruff (*Philomachus pugnax*) on St. Lawrence Island.

Copy seen: DSI-M.

5332. FRIEDMANN, HERBERT, 1900- . The Siberian rough-legged hawk in Alaska. (Condor, Nov. 1934. v. 36, p. 246)

Re-examination of museum specimens shows a specimen (Nelson, 1879) to be of Siberian race. Discussion of criteria for identification.

Copy seen: DSI-M.

5333. FRIEDMANN, HERBERT, 1900- , and J. H. RILEY. The genus *Cuculus* in North America. (Auk, 1931. v. 48, p. 269)

First record of the Himalayan cuckoo, *Cuculus canorus bakeri*, on St.

Lawrence Island; also identification of an old record of *Cuculus canorus telephonus* from St. Paul Island corrected to *Cuculus optatus*.

Copy seen: DSI-M.

FRIEDMANN, HERBERT, 1900- , *see also* Shtegman, B. K. Dnevnye khishch-niki (Fauna SSSR). 1937.

FRIEDMANN, HERBERT, 1900- , *see also* Todd, W. E. C., & H. Friedmann. Study of gyrfalcons, N. America. 1947.

FRIEDMANN, HERBERT, 1900- , *see also* Wetmore, F. A., & H. Friedmann. Name for wryneck Alaska. 1949.

FRIEDMANN, HERBERT, 1900- , *see also* Wynne-Edwards, V. C., & others. Biology (Program of investigations). 1946.

5334. FRIEDRICH, M. Über Niederschlag und Schneelagerung in der Arktis. (Verein für Erdkunde zu Leipzig. Beiträge zur Geographie des Festen Wassers. No. 2 Pub. in its: Wissenschaftliche Veröffentlichungen, 1891. Bd. 1, p. 93-172) *Title tr.:* On precipitation and snow cover in the Arctic.

Based on records from a large number of expeditions to various regions (i.e. circumpolar data as then available) on snow, rain or unspecified precipitation.

Contains in pt. 1, excerpts from these records, and discussion of number of days of snow and rain, months of lesser amount or none, types, forms, amounts, and associated air temperatures, for definite regions (e.g. Yakut, Franz Josef Land, Spitzbergen, Canadian Arctic, etc.)

Pt. 2. Date of beginning of winter snow cover, characteristics of the surface layer of snow before melting, snow layers, surface forms, colored snow, depths, melting, and firm limits; brief notes on glaciers, drift ice, and the snow foot (along shore); brief remarks on the influence of the snow cover on climate, vegetation, animals and man; and a bibliography (85 items).

Copy seen: DLC.

5335. FRIELE, HERMAN, 1838-1921. Catalog der auf der norwegischen Nordmeer-expedition bei Spitzbergen gefundenen Mollusken. (Deutsche malakozoologische Gesellschaft. Jahrbücher, 1879. Jahrg. 6, Heft 2, p. 264-

86) **Title tr.:** Catalog of molluscs found by the Norwegian North Sea Expedition around Spitsbergen.

List, with references to literature, station, depth and discussions, of eighty-three (including with Latin diagnoses), six new species of molluscs and mollusc shells, collected by the Norwegian North Sea Expedition, 1876-78. Includes author's theory on the transportation of shallow-water shells by ice. **Copy seen:** DLC.

5336. FRIELE, HERMAN, 1838-1921. Jan Mayen Mollusca from the Norwegian North Atl. Expedition in 1877. (Nytt magasin for naturvidenskapene, 1879, pub. 1878. Bd. 24, hefte 3, p. 221-26, plate)

Contains a list of forty-nine species of marine molluscs collected by the Norwegian Northern Sea (Norske nordhavs) Expedition in 1877, in Jan Mayen waters; includes descriptions of *Terebratula arctica* and *Rissoa Jan-Mayen* n. spp. and critical notes on some other species. **Copy seen:** MH-Z.

5337. FRIELE, HERMAN, 1838-1921. Mollusca, I. Buccinidae. Christiania, Grøndahl & Søn, 1882. 2 p. l., 38 p. 6 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 3, hefte 4)

A list, with descriptions, locations and taxonomic notes, of thirty-four (including four new) species of marine gastropods. **Copy seen:** DLC.

5338. FRIELE, HERMAN, 1838-1921. Mollusca, II. [Pleurotomidae, Cancellaria and Brachiopoda] Christiania, Grøndahl & Søn, 1886. 1 p. l., 44 p. 6 plates (VII-XII) (Den Norske Nordhavs-expedition, 1876-1878. Bd. 3, Zoology, hefte 5)

List, with descriptions and locations of twenty-two (including one new) species of Pleurotomidae, twenty-six (including eight new) species of Cancellaria, and one species of Brachiopoda, from the Norwegian and Greenland Seas. **Copy seen:** DLC.

5339. FRIELE, HERMAN, 1838-1921. Mollusken der ersten Nordmeerfahrt des Fischereidampfers "Michael Sars" 1900 unter Leitung von Herrn Dr. Johan Hjort. Bergen, J. Grieg, 1903. 19 p. 4 plates. (Bergen, Norway. Museum. Aarbok, 1902. No. 3) **Title tr.:** Molluscs from the first cruise in northern

seas by the *Michael Sars*, 1900, under the direction of Dr. J. Hjort.

The course of the expedition, July-Aug. was from Norway to the middle of Denmark Strait (north of Iceland) thence to Jan Mayen, northern Norwegian waters, Bear Island, and return.

The author gives here a list with locations, of seventy-seven (including with descriptions, four new) species of molluscs and three brachiopods. **Copy seen:** DLC.

5340. FRIELE, HERMAN, 1838-1921. Preliminary report on Mollusca from the Norwegian North Atlantic expedition in 1876. (Nytt magasin for naturvidenskapene, 1877. Bd. 23; hefte 3, p. 1-10, plate)

Contains descriptions of nine new species of marine molluscs collected between the northern Norwegian coast and Iceland during the Norwegian North Atlantic Expedition, 1876, and critical notes on eleven other species. **Copy seen:** MH-A.

5341. FRIELE, HERMAN, 1838-1921, and J. A. GRIEG. Mollusca, III. Christiania, Grøndahl & Søn, 1901. 2 p. l., 129 [2] p. illus., map. (Den Norske Nordhavs-expedition, 1876-1878, Bd. 7, Zoology, hefte 5)

A faunistic survey of all (one hundred thirty-three) molluscan species taken during the expedition (including the groups described by the author in *Mollusca* I-II), with notes on their horizontal and vertical distribution in the Norwegian and Greenland Seas. **Copy seen:** DLC.

FRIEND, F. B., see Laurence, G. C., & F. B. Friend. Tests for mesothorium in radium Great Bear Lake. 1934.

5342. FRIES, ELIAS MAGNUS, 1794-1878. Anmärkningar öfver *Sparganium natans* Lin. (Botaniska notiser, 1849, no. 1, p. 12-16) **Title tr.:** Notes on *Sparganium natans* Lin.

Contains a Latin description of *Sparganium natans* with discussion of its synonymy and data on distribution in the arctic region of Scandinavia and European and Asiatic Russia. **Copy seen:** MH-A.

5343. FRIES, ELIAS MAGNUS, 1794-1878. *Batrachium confervoides*, speciem novam articum. (Botaniska notiser,

1845, no. 7-8, p. 121-22) *Title tr.*: *Batrachium confervoides*, a new arctic species.

Contains a Latin description of *Batrachium confervoides* n. sp., an herb native to Lapland, with critical note and comparison with a related species, *B. tripartitum*. *Copy seen*: MH-A.

5344. FRIES, ELIAS MAGNUS, 1794-1878. Bidrag till några svenska vaxters synonymik. (Botaniska notiser, 1857, no. 2, p. 32-35; no. 3, p. 46-50; no. 7, p. 108-115; no. 10, p. 161-64; 1858, no. 2, p. 31-35; no. 8, p. 126-32) *Title tr.*: Contributions to the synonymy of Swedish plants.

Contains taxonomic notes on synonymy of eighty Swedish plants, including some native to Swedish Lapland.

Copy seen: MH-A.

5345. FRIES, ELIAS MAGNUS, 1794-1878. Nya skandinaviska växter. (Botaniska notiser, 1849, no. 4, p. 57-61) *Title tr.*: New Scandinavian plants.

Contains critical notes on ten flowering plants new to the flora of Scandinavia, including *Carex orthostachya* native to Russian Lapland.

Copy seen: MH-A.

5346. FRIES, ELIAS MAGNUS, 1794-1878. Plantae Suecanae ex Illustr. Kochii Florae Germanicae synopsi, ed. 2. (Botaniska notiser, 1843, no. 8, p. 113-21) *Title tr.*: Swedish plants in Koch's Synopsis Florae Germanicae, ed. 2.

Contains a critical revision of twenty-five species and some varieties and forms of plants described in Koch, W. D. J., *Synopsis Florae Germanicae*, etc., ed. 2., Pars prima. Frankfurt am Mayn, 1843, including at least one native to Lapland, *Batrachia eradicatum*.

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5347. FRIES, ELIAS MAGNUS, 1794-1878. Reservation mot en del antagna åtsigter öfver åtskilliga svenska vexter. (Botaniska notiser, 1844, no. 1-2, p. 1-26) *Title tr.*: Reservation on forming a fixed opinion about certain Swedish plants.

Contains critical notes on sixty Swedish flowering plants and vascular cryptogams of doubtful status including a few native to Swedish Lapland. For criticism and continuation of discussion, see Hartman, C. J., *Anmärkningarna vid Prof. Fries' "Reservation"*, etc., 1845.

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5348. FRIES, ELIAS MAGNUS, 1794-1878. Studier till "Synopsis Caricum distigmaticarum, spicis sexu distinctis." (Botaniska notiser, 1845, no. 7-8, p. 105-121) *Title tr.*: Studies to "Synopsis Caricum distigmaticarum, spicis sexu distinctis".

Contains additional data on eighteen species of sedges (*Carex*) described by the author in his *Synopsis Caricum distigmaticarum*, 1843, q.v., such as new observations, new localities, corrections, etc.; includes some native to arctic Scandinavia and Kola Peninsula.

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5349. FRIES, ELIAS MAGNUS, 1794-1878. Synopsis Caricum distigmaticarum, spicis sexu distinctis, in Scandinavia lectarum. (Botaniska notiser, 1843, no. 7, p. 97-109) *Title tr.*: Synopsis of distigmatic Carices, with unisexual spikes growing in Scandinavia.

Contains descriptive notes on eighteen species of sedges (*Carex*) growing in Norway, including *C. spiculosa* n. sp. native to Kola Peninsula ("Finmarkia rossica") and a few other occurring in Swedish Lapland and northern Norway.

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5350. FRIES, ELIAS MAGNUS, 1794-1878. Underrättelse om *Kobresia nardina*, Horn. (Botaniska notiser, 1839, No. 2, p. 14-15) *Title tr.*: Notice on *Kobresia nardina*, Horn.

Contains data on the history of systematics and Latin diagnosis of *Carex nardina*, a species of sedges, found in Greenland and in Lule Lappmark, with some critical notes.

Copy seen: MH-A.

FRIES, ELIAS MAGNUS, 1794-1878, see also Lagerheim, N. G. Uredineae Herbarii E. Fries. 1895.

FRIES, GEORG, 1778-1855, see Saabye, H. E., & G. Fries. Greenland, extracts from a journal 1770-78. 1818.

5351. FRIES, J. A. En sommar i Finnmarken, Ryska Lappland och Nord-Karelen. Skildringar af land och folk. Stockholm, P. A. Hultberg, 1872. 373 p. front., illus., plates, tables, fold. col. map, double plate. *Title tr.*: A summer in Finnmark, Russian Lapland and northern Karelia. Description of the regions and the people.

Notes increase in Lapp population in Finnmark between 1567 and 1867; the

Lapps' development and advance; traditions, mythology, beliefs, etc., Lapp boundary lines, and boundary agreements; the Lapps on the Kola and Murmansk coasts; old cliff inscriptions; fishery in Russian and Norwegian waters, fishery agreements between Norway and Russia for interchange of fishery fields; northern Karelia and its people, etc. Includes notes on Lapp customs and manners, geography, ethnography, folklore, language, and other data; also fold. colored map, showing the author's travel route in 1867.

Copy seen: NNStef.

5352. FRIES, KLAS ROBERT ELIAS, 1876- . Ett markligt Gasteromycetfynd. (Svensk botanisk tidskrift, 1909, pub. 1910. Bd. 3, häfte 4, p. 176-77, illus.) *Title tr.:* A notable find of a gasteromycete.

Contains a note on *Bovistella echinella* (Pat.) Lloyd, an interesting and rare fungus of the group Gasteromycetes, found in the region of Abisko (68°30'N.) in Torne Lapland.

Copy seen: MH-A.

5353. FRIES, KLAS ROBERT ELIAS, 1876- . Några ord om Myxomycetfloran i Torne Lappmark. (Svensk botanisk tidskrift, 1910, pub. 1911. Bd. 4, häfte 4, p. 253-62, illus.) *Title tr.:* A few words on Myxomycetes flora of Torne Lappmark.

Contains some critical notes on twenty-four species of slime molds (*Myxomycetes*) and data on their vertical distribution in the alpine and sub-alpine zones of the mountainous region of Torne Lapland, based on the author's observations in the summer of 1909.

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5354. FRIES, KLAS ROBERT ELIAS, 1876- . *Polysaccum crassipes* DC., en för Sverige ny Gasteromycet. (Botaniska notiser, 1899, p. 241-44) *Title tr.:* *Polysaccum crassipes* DC., a species of Gasteromycetes new to Sweden.

Contains critical notes on *Polysaccum crassipes*, a fungus (Gasteromycetes) new to Sweden, found in Angermanland and Asele Lappmark.

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5355. FRIES, KLAS ROBERT ELIAS, 1876- . Den Svenska Myxomycetfloran. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 3, p. 721-802, illus.) *Title tr.:* Swedish myxomycetous flora.

Contains a critical revision of slime molds (*Myxomycetes*) of Sweden with keys to the families and species and systematic enumeration of the species including many native to the arctic regions.

Copy seen: MH-A.

5356. FRIES, MAGNUS. Den nordiska utbredningen av *Lactuca alpina*, *Aconitum septentrionale*, *Ranunculus plantanifolius* och *Polygonatum verticillatum*. Uppsala, Almqvist & Wiksell, 1949. 80 p. plate, 15 text maps, 5 fold. maps. (Acta phytogeographica suecica. Bd. 24) *Title tr.:* Northern distribution of *Lactuca alpina*, etc.

Contains a study of the geographic distribution of these four flowering plants in northern Europe, including arctic regions of Scandinavia and the U.S.S.R. illustrated by folding and text maps; bibliography (168 items). Summary in German, p. 64-73.

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5357. FRIES, OSKAR ROBERT, 1840-1908. Om trakten mellan Torneå- och Calix-elfvars nedre lopp i växtgeografiskt hänseende. (Botaniska notiser, 1858, no. 10, p. 153-70) *Title tr.:* The region between and around Torneå and Calix Lakes in northern Sweden, from the geobotanical viewpoint.

Contains a general description of the vegetation of this region and a systematic list of about three hundred flowering plants and vascular cryptogams with data on habitat.

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5358. FRIES, THEODOR MAGNUS, 1832-1913. Anmärkningar rörande några svenska arter af släktet *Sparganium*. (Botaniska notiser, 1857, no. 4, p. 63-66) *Title tr.:* Notes on some Swedish species of the genus *Sparganium*.

Contains critical notes on Swedish species of herbaceous genus *Sparganium*, including some native to Swedish Lapland.

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5359. FRIES, THEODOR MAGNUS, 1832-1913. Bidrag till kännedomen af Finnmarkens flora. (Botaniska notiser, 1858, no. 11, p. 173-85, no. 12, p. 197-204) *Title tr.:* Contributions to the knowledge of the flora of Finnmark.

Contains a historical sketch of botanical exploration of Finnmark, Norway, with a list of one hundred sixty species of flowering plants and vascu-

lar cryptogams, with brief data on habitat and distribution in Finnmark and adjoining regions (Tromsø, Varanger).

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5360. FRIES, THEODOR MAGNUS, 1832-1913. En botanisk resa i Finnmarken 1864. (Botaniska notiser, 1865, no. 1, p. 6-16, no. 2, p. 27-38, no. 3, p. 42-58) *Title tr.:* A botanical trip to Finnmark in 1864.

Contains a general account of the author's exploring trip to Finnmark in the summer of 1864, with sketches of the vegetation of various districts, lists of plants and occasional notes on plants observed.

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5361. FRIES, THEODOR MAGNUS, 1832-1913. Die Gefäßpflanzen Spitzbergens und der Bären-Insel. (Naturwissenschaftlicher Verein zu Bremen. Abhandlungen, 1873. Bd. 3, p. 87-92) *Title tr.:* The vascular plants of Spitsbergen and Bear Island. Based on collections of the Second German North Pole Expedition, 1871-72.

A simple list of one hundred thirteen species from Spitsbergen and thirty-eight species from Bear Island.

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5362. FRIES, THEODOR MAGNUS, 1832-1913. Iakttagelser rörande några arktiska växter. (Botaniska notiser, 1858, no. 12, p. 189-97) *Title tr.:* Observations on some arctic plants.

Contains a Latin description of *Polemonium coeruleum campanulatum* n. var. and critical notes, additional data, corrections, etc., on some arctic Scandinavian species.

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5363. FRIES, THEODOR MAGNUS, 1832-1913. Iakttagelser rörande Öst-Finmarkens starrarter. (Botaniska notiser, 1857, no. 12, p. 197-210) *Title tr.:* Observations on sedge species of eastern Finnmark.

Contains the results of the study of sedges (*Carex*), based on the author's observations during his summer trip to arctic Norway, including a list of thirty-seven Carices from eastern Finnmark, a Latin description of *C. vesicaria lacustris* n. var. and critical notes on *C. haliphila*, *C. juncella* and related species and forms.

Copy seen: MH.

5364. FRIES, THEODOR MAGNUS, 1832-1913. Lichenes arctici europae groenlandiaeque hactenus cogniti. (Vetenskaps-Societeten i Upsala. Nova acta, 1861. Ser. 3, v. 3, p. 103-398) *Title tr.:* Arctic lichens of Europe and Greenland known to the present time.

A classified list, with synonyms, descriptions and distribution, of over three hundred species from northern Scandinavia and Finland, Lapland, Bear Island, Spitsbergen, Iceland and West Greenland.

Copy seen: DLC.

5365. FRIES, THEODOR MAGNUS, 1832-1913. Lichenes Spitzbergenses. Stockholm, P. A. Norstedt, 1867. 53 p. (Svenska vetenskapsakademien. Handlingar [Ny följd] bd. 7, no. 2)

List of about two hundred species of lichens (with references to literature, localities and remarks) collected in the Spitsbergen archipelago during Swedish arctic expeditions.

Copy seen: DLC.

5366. FRIES, THEODOR MAGNUS, 1832-1913. Några ord om rutmarken (Polygonboden) på Spetsbergen och Beeren-Eiland. (Geologiska föreningens i Stockholm. Förhandlingar, 1902. Bd. 24, p. 370-72) *Title tr.:* A few words on the polygonal soils of Bear Island.

Discussion of previous literature on the subject and the Bear Island occurrences.

Copy seen: DGS.

5367. FRIES, THEODOR MAGNUS, 1832-1913, editor. Nya skandinaviska växter. (Botaniska notiser, 1857, p. 11, 143, 146, 148, 174, and 181) *Title tr.:* New Scandinavian plants.

Contains descriptions, with synonymy and critical notes, of *Abies orientalis* (L.) (p. 174); *Dicranum fragifolium* Lindb. (p. 146); *Eriophorum opacum* Björnstr. (p. 11); *Hypnum glareosum* Br. & Sch. (p. 143); *Intybus multicaulis* (Led.) (p. 181, plate); *Sphagnum fimbriatum* Wils. (p. 148), all new to the flora of Scandinavia.

Copy seen: MH-A.

5368. FRIES, THEODOR MAGNUS, 1832-1913. Nya skandinaviska växter: *Polemonium coeruleum *grandiflorum* Led. (Botaniska notiser, 1858, no. 3, p. 53-54) *Title tr.:* New Scandinavian plants.

Contains brief Swedish description, synonymy and critical notes on *Polemonium coeruleum *grandiflorum* Led.

found in Finnmark, Norway, a herb new to the flora of Scandinavia.

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5369. FRIES, THEODOR MAGNUS, 1832-1913. Om Beeren-Islands fanerogam-vegetation. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1869, pub. 1870. Årg. 26, p. 145-56) *Title tr.:* On the phanerogamic flora of Bear Island.

Discussion and list, with localities and remarks, of thirty-eight species observed during the Swedish Arctic Expedition, 1868.

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5370. FRIES, THEODOR MAGNUS, 1832-1913. Om de skandinaviska arterna af släktet *Isoetes*. (Botaniska notiser, 1863, no. 7-8, p. 101-105) *Title tr.:* On Scandinavian species of the genus *Isoetes*.

Contains critical notes on some Scandinavian quillworts of the genus *Isoetes*, including *I. echinosperma*, native to Torne Lappmark.

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5371. FRIES, THEODOR MAGNUS, 1832-1913. Om Nowaja Semljas vegetation. (Botaniska notiser, 1873, no. 1, p. 1-12) *Title tr.:* On the vegetation of Novaya Zemlya.

Contains a brief survey of botanical literature on the flora and vegetation of Novaya Zemlya, a list of one hundred nineteen species of vascular plants known from that island and critical notes on twenty noteworthy plants with some synonymy and data on their distribution in other arctic regions.

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5372. FRIES, THEODOR MAGNUS, 1832-1913. Skandinaviens tryfflar och tryffeliknande svampar. (Svensk botanisk tidskrift, 1909. Bd. 3, häfte 3, p. 223-300) *Title tr.:* Hypogaeous fungi of Sweden and allied forms.

Contains keys to the genera, species and varieties, synonymy and critical notes on thirty-three species (one new) of hypogaeous fungi of Sweden, including some native to the arctic regions.

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5373. FRIES, THEODOR MAGNUS, 1832-1913. Skildring af en botanisk resa i Öst-Finmarken 1857. (Botaniska notiser, 1858, no. 1, p. 1-9; no. 2, p. 17-31; no. 4, p. 57-65) *Title tr.:* Narra-

tive of a botanical trip to eastern Finnmark in 1857.

Contains a general account of the author's trip to this section of northern Norway, in summer of 1857, with description of the vegetation of various localities and critical notes on plant species observed.

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5374. FRIES, THEODOR MAGNUS, 1832-1913. Tillägg till Spetsbergens fanerogam-flora. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1869, pub. 1870. Årg. 26, p. 121-44, 4 plates) *Title tr.:* Additions to the phanerogamic flora of Spitsbergen.

List, with localities and remarks, of the species of flowering plants collected on the Spitsbergen archipelago during the Swedish expedition to Spitsbergen, 1864, and the Swedish Arctic Expedition, 1868.

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5375. FRIES, THEODOR MAGNUS, 1832-1913, and ERIK BERGSTRÖM. Några iakttagelser öfver pälsar och deras förekomst i nordligaste Sverige. (Geologiska föreningen. Förhandlingar, 1910. Bd. 32, p. 195-205, illus.) *Title tr.:* Some observations on peat mounds and their occurrence in northernmost Sweden.

Description of permanently frozen peat mounds and theories on their formation.

Copy seen: DLC.

FRIES, THEODOR MAGNUS, 1832-1913, see also Hisinger, E. Några ord om *Picea excelsa*. 1867.

FRIES, THEODOR MAGNUS, 1832-1913, see also Linné, C. Skrifter af Carl von Linné. 1905-13.

FRIES, THEODOR MAGNUS, 1832-1913, see also Lynge, B. Lichens West Greenland. 1937.

5376. FRIES, THORALF GUSTAF ELIAS, 1882-. *Sedum villosum* återfunnen i Torne Lappmark. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 1, p. 97) *Title tr.:* *Sedum villosum* found again in Torne Lappmark.

Contains a report of the finding of this rare rock plant, *Sedum villosum*, in Torne Lappmark, northern Sweden.

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5377. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. *Antennaria alpina* (L.) Gaertn. och dess Skandinaviska elementararter. (Svensk botanisk tid-

skrift, 1919. Bd. 13, häfte 2, p. 179-93, illus.) *Title tr.*: *Antennaria alpina* (L.) Gaertn. and its related species in Scandinavia.

Contains a comparative study of *Antennaria alpina* and *A. dioica* and list of localities of these arctic herbs, occurring in Swedish Lapland and in arctic Norway; critical notes on *A. intermedia*, native to Greenland and Lule Lappmark, and *A. glabrata* from Torne Lappmark.

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5378. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. Botanische Untersuchungen im nördlichsten Schweden. Ein Beitrag zur Kenntnis der alpinen und subalpinen Vegetation in Torne Lappmark. Uppsala, Almqvist & Wiksells boktr. [1913] viii, 361 p. illus., 2 fold. maps. (Vetenskapliga och praktiska undersökningar i Lappland)

Contains a physical and geographic survey of this district in Swedish Lapland, the plant associations, influence of climatic and edaphic factors on the vegetation, the changing of the climate and vegetation in post-glacial time, migration of plants and its influence on the formation of vegetation.

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5379. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. Experiment över björkens lövsprickning i skogsgränser och i dalbottner. (Svensk botanisk tidskrift, 1919. Bd. 13, häfte 1, p. 43-47) *Title tr.*: Experiment on bursting of the leaves of birches on the edges of forests and in the bottoms of the valleys.

Contains results of the experiments on bursting of the leaves of birches (*Betula odorata*) under various conditions and on various levels, carried out on the Abisko Natural History Research Station in Torne Lappmark.

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5380. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. Floran inom Abisko national park. Stockholm, Almqvist & Wiksells boktr. 1919. 48 p. illus. (Arkiv för botanik 1921, pub. 1919. Bd. 16, no. 4) *Title tr.*: Flora of the Abisko national park.

Contains a list of three hundred thirty-five species of plants, growing in the Abisko national park in Torne

Lappmark, with data on habitat and local distribution; bibliography (33 items).

Copy seen: MH.

5381. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. Några anmärkningsvärda gasteromycetfynd. (Svensk botanisk tidskrift, 1918. Bd. 12, häfte 1, p. 130-31) *Title tr.*: Some noteworthy finds of Gasteromycetes.

Contains notes on localities of ten noteworthy fungi of the group *Gasteromycetes*, including *Clavatia arctica*, *Bovista nigrescens* and *B. plumbea*, native to Swedish Lapland and adjoining arctic regions of Norway.

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5382. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. The vertical distribution of some plants on Nuolja (Torne Lappmark). (Botanisk notiser, 1925, häfte 3, p. 205-216)

Contains a study of the vertical distribution of forty-two typical high-alpine plants in three arctic regions (Nuolja, Tromsø amt, and Sarek district), and a diagram of vertical distribution of twelve species of Ranunculaceae in the Nuolja region.

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5383. FRIES, THORE CHRISTIAN ELIAS, 1886-1930. Zur Kenntnis der Gasteromyceten-Flora in Torne Lappmark. (Svensk botanisk tidskrift, 1914. Bd. 8, no. 2, p. 235-43, plate 5) *Title tr.*: Contribution to knowledge of the flora of Gasteromycetes in Torne Lappmark.

Contains a systematic enumeration of ten species of fungi of the group *Gasteromycetes*, including Latin diagnoses of *Calvatia borealis* and *Bovista cretacea* n. spp. from Torne Lappmark, northern Sweden.

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5384. FRIES, THORE CHRISTIAN ELIAS, 1886-1930, and SAMUEL MÅRTENSON. Floristika anteckningar från de alpina och subalpina delarna af Karesuando och Jukkasjärvi socknar norr om Torne Träsk (Svensk botanisk tidskrift, 1910. Bd. 4, häfte 3, p. 55-75) *Title tr.*: Floristic notes on the alpine and sub-alpine zones of the Karesuando and Jukkasjärvi parishes to the north of Torne Träsk.

Contains an alphabetical list of about three hundred fifty species of flowering plants and vascular cryptogams from the Karesuando and Juk-

kasjarvi regions in Torne Lappmark, with data on habitat and local distribution; based on the author's investigations in the summer of 1909 and on earlier collections.

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5385. FRIES, THORE CHRISTIAN ELIAS, 1886-1930, and SAMUEL MÄRTENSON. Ny fundort för *Trisetum agrostideum*. (Svensk botanisk tidskrift, 1909. Bd. 3, häfte 3, p. 103-104) *Title tr.:* A new locality for *Trisetum agrostideum*.

Contains a report of the finding of forage grass *Trisetum agrostideum* near Torne Träsk in Torne Lappmark, with notes on the plants found in association with it. *Copy seen:* MH-A.

FRIES, THORE CHRISTIAN ELIAS, 1886-1930, see also Alm, C. G., & T. C. E. Fries. Floristika anteckningar från Karesuando. 1925.

FRIES, THORE MAGNUS, see FRIES, THEODOR MAGNUS, 1832-1913.

5386. FRIESE, HEINRICH FRIEDRICH AUGUST, 1860- . Die arktischen Hymenopteren, mit Ausschluss der Tenthrediniden. (In: Fauna arctica, 1902, Bd. 2, p. 439-88, plate, table, sketch map) *Title tr.:* Arctic Hymenoptera, except Tenthredinidae.

Contains a list, with synonymy, references, and localities, of five hundred sixty-five species of bees, wasps, ants, gall-flies, etc. of circumpolar lands, eighty-six of which are truly arctic species. Brief analysis of number of species found in arctic Scandinavia, arctic Siberia, Alaska, British America, Canadian Arctic Islands, Greenland, Svalbard, Novaya Zemlya and Vaygach Island, and Iceland. Notes on the life of bees in spring and summer; a key to arctic bees, and a bibliography (36 items).

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5387. FRIESE, HEINRICH FRIEDRICH AUGUST, 1860- , and others. Hymenoptera. Kristiania, 1923. 25 p. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 14) Published by Det Norske videnskaps-akademi, Oslo (Videnskaps-selskapet i Kristiania).

Contents: Friese, H. Apidae, p. 3-9. Kiaer, H. Tenthredinidae, p. 10. Kieffer, J. J. Serphidae, p. 10. Roman, A. Ichneumonidae, p. 11-25.

Copy seen: DLC.

5388. FRIESE, HEINRICH FRIEDRICH AUGUST, 1860- . Ueber die Bienen (Apidae) der Russische Polar-expedition 1900-1903, und einiger anderen arktischen Ausbeuten. St.-Petersbourg, 1908. 1 p. l., 17 p. plate. (Russkaja poliarnaja ekspeditsiia, 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livr. 13. *Pub. as:* Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 13) *Title tr.:* On the bees (Apidae) of the Russian Polar Expedition 1900-1903, and some other collections.

Contains an annotated list of six species from the tundra between the Lena and Yana Rivers; a discussion of the circumpolar distribution of arctic bees, and their life histories; a key to species, and a bibliography (39 items).

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5389. FRIESE, HEINRICH FRIEDRICH AUGUST, 1860- . Wespen und Bienen. Petrograd, 1919. 1 p. l., 2 p. (Ekspeditsiia brat'ev Kuznetsovych na poliarnyi Ural, 1909. Resultats scientifiques. Livr. 15. *Pub. as:* Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, no. 15) *Title tr.:* Wasps and bees. (Scientific results of the Expedition of the Kuznetsov Brothers to the Arctic Ural, 1909).

Notes on one species and two (one new) varieties of social wasps and two species of bees.

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5390. FRIESE, HEINRICH FRIEDRICH AUGUST, 1860- , and others. Zoological results of the Norwegian Scientific Expeditions to East-Greenland. IV. Oslo, J. Dybwad, 1935. 25 p. illus. (incl. map) Norway. Norges Svalbard og Ishavs-undersøkelser. Skrifter, no. 65) Text in German.

Based on collections made by the expeditions of 1929-30, between 72° and 75°N. on the coast of East Greenland.

Contents tr.: 1 Friese, H. Apiden. (Field notes on the six forms of two species of bees which were found, and discussion of their circumpolar occurrence and the plants upon which they are found; with a bibliography (30 items)).

2. Lindberg, H. Hemiptera. (Full field notes and some descriptions of immature stages of two heteropterous insects).

3. Linnaniemi, W. M. Collembola. (Systematic list, with locations and notes on distribution, of ten species; with a table showing occurrence in West and East Greenland of the thirty species recorded). *Copy seen:* DLC.

5391. FRIIS, ACHTON, 1871-. Danmark ekspeditionen til Grønlands nordøstkyst, af Achton Friis. Illustreret med fotografier samt med tegninger og malerier af Aage Bertelsen og Achton Friis. [København] Gyldendalske boghandel, Nordisk forlag, 1909. 2 p. l., vi p., 1 l., 670 p. 367 illus., plates (4 col., mounted) ports., double map. *Title tr.:* The *Danmark Expedition* to the northeast coast of Greenland, by Achton Friis. Illustrated by photographs and drawings and paintings by Aage Bertelsen and Achton Friis. German translation published as: Im Grönlandee mit Mylius-Erichsen. Die Danmark-expedition 1906-1908. Leipzig. Otto Spamer, 1910. 630 p. front., illus., plates, col. plates., fold. maps.

Account, by one of the artists who accompanied it, of the *Danmark* expedition under Mylius-Erichsen, 1906-1908; its geographical discoveries in northeast Greenland; notes on ice conditions, glaciology, meteorology; Eskimo ruins; archeology and ethnography; zoology, botany; hunting of musk ox, hare, fox, wolf, falcon, walrus, polar bear, seal, etc.; inland ice and sledge trips; dog disease; the tragic death of Mylius-Erichsen, leader of the expedition, and his companions, Hagen and Brønlund at 79°N., Brønlunds heroic feat; his and Mylius-Erichsen's diaries; artists at work.

This publication is notable for its pictorial record of day-to-day activities and personnel of the expedition.

Copy seen: DLC; NNSStef. (German tr.)

5392. FRIIS, ACHTON, 1871-. Rejsen til Grønland. Udgivet som manuskript. København, Gyldendal 1942. p. 11-36. illus., plates. (Gyldendals Julebog, 1942) *Title tr.:* The Greenland voyage.

Contains two chapters from the author's unpublished diaries of his travels in West Greenland, 1939; a description of the voyage and landing at Julianehaab; comparison between West and East Greenland Eskimos; Cape Desolation; motorboat trip from Godthaab to

Kørnok and Stejlefeld; trip on the *Disko* to Godhavn; includes incidental data on nature, weather and ice conditions. *Copy seen:* NN.

5393. FRIIS, JENS ANDREAS, 1821-1896. Lappisk mytologi, eventyr og folkesagn. Christiania, A. Cammermeyer, 1871. 2 v. in 1: xvi, 176, iv p.; x, 176, [1] p., illus. plates. *Title tr.:* Lappish mythology, adventures and folk tales.

Contains a description of Lapp mythology; a comparison between the old beliefs of the Greenland Eskimos and those of the Laplanders; the sorcerer's drum, with its inscriptions and symbolic figures; the deities, sacred places, sacrificial offerings, bear hunt ceremonial, games, etc., and forty-eight Lappish tales. Introduction includes list of sources.

Copy seen: DLC; NN.

5394. FRIIS-NIELSEN, EINAR, 1910. Den økonomiske udvikling i Christianshaab, Jakobshavn og Ritenbenk distrikter, 1899-1938. København, C. A. Reitzel, 1944. 161 p. incl. illus. (incl. diagrs.) tables. fold. map. (Meddelelser om Grønland. Bd. 134, nr. 3) *Title tr.:* The economic development of Christianshaab, Jakobshavn and Ritenbenk Districts, 1899-1938.

Economic survey of West Greenland 69°30'-75°35'N.; discussing climatic conditions, population trends; hunting gear, whaling, sealing, fishing, hunting and trapping (with statistical tables of types of implements, catch and earnings); meat production and consumption, the cash economy, occupational development due to fluctuations in temperature and the economic policy of Danish authorities; bibliography, (47 items). Summary in English.

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5395. FRISCH, J. Ministerfaerden. (Grønlandske selskab. Aarskrift, 1907. p. 21-78) *Title tr.:* The ministerial visit.

Contains description of the inspection trip of Sigurd Berg, Minister of the Interior, to Greenland; the voyage in S.S. *Hans Egede*; arrival and reception at Godthaab; visit at Jacobshavn and return to Denmark. Includes episodes, amusing and serious; observations on wild life, geography and glaciers, etc. *Copy seen:* NNSStef.

5396. **FRISENDAHL, ARVID, 1886-** . Om *Epipogium* [i.e. *epipogum*] *aphyllum* i Sverige. (Svensk botanisk tidskrift, 1910. Bd. 4, häfte 2, p. 91-107, 2 plates, text maps) **Title tr.:** On *Epipogum aphyllum* in Sweden.

Contains detailed data on the habitat, distribution and biology of *Epipogum aphyllum*, "nobilissima et rarissima Florae nostrae civis" (E. Fries)—a terrestrial orchid found in Norrbotten, Lule and Torne Lappmark.

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5397. **FRISON, THEODORE HENRY, 1895-** . Report on the Bremidae collected by the Crocker Land Expedition, 1913-1917. (American Museum of Natural History. Bulletin, 1919. v. 41, p. 451-59, plate) Scientific results of the Crocker Land Expedition.

Contains descriptions of three species of bumble bees, with notes on distribution and habits in northwestern Greenland.

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5398. **FRISSELL, VARICK.** Explorations in the Grand Falls region of Labrador. (Geographical journal, Apr. 1927. v. 69, p. 332-40, 4 plates, 2 sketch maps)

Account of the author's expedition in July 1925, with description of the region of Valley River, Grand Falls, Grenfell River (A. P. Low's Unknown River) and its twin falls, Yale and Grenfell. The author establishes the fact that Lake Ossokmanuan is drained by Grenfell and not Valley River, and that the Atikonak River flows south into this lake.

Comment by James White on the identity and nomenclature of Valley River (mentioned by Low and Frissell) was published in Geographical journal, Sept. 1927. v. 69, p. 287-89)

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FRISTEDT, CONRAD, see FRISTEDT, JOHAN CONRAD AUGUST, 1860-1940.

5399. **FRISTEDT, JOHAN CONRAD AUGUST, 1860-1940.** Sponges from the Atlantic and Arctic Oceans and the Behring Sea. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 401-71, 10 plates)

List, with synonymy, localities and descriptions, of seventy-one (including thirty-two new) species collected by

the *Vega* Expedition, 1878-1880, and by the Swedish arctic Expeditions of 1872-1873, 1875, and 1883 from waters of circumpolar seas.

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5400. **FRISTEDT, JOHAN CONRAD AUGUST, 1860-1940.** Sponges from the coast of Ellesmere Land. Kristiania, A. W. Brøgger, 1909. 5 p. (Norske videnskaps-akademi i Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902. v. 3, no. 23)

Contains notes on specimens of two species from the coast of Ellesmere Island.

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5401. **FRISTEDT, ROBERT FREDRIK.** Bidrag till kannedomen af Skandinaviens *Woodsia*-arter. (Botaniska notiser, 1865, no. 1, p. 16-32) **Title tr.:** A contribution to the knowledge of *Woodsia*.

Contains a critical revision of the fern species of *Woodsia ilvensis*, *W. hyperborea* and *W. glabella*, native to arctic Norway (Finnmark) and Swedish Lapland, with synonymy, notes and data on Scandinavian and total distribution.

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5402. **FRITZ, HERMANN, 1830-1893.** Die geographische Verbreitung des Polarlichtes. (Petermann geographische Mitteilungen, 1874. Bd. 20, p. 347-58, fold. map) **Title tr.:** The geographic distribution of auroras.

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5403. **FRITZ, S.** Kryolitbruddet ved Ivigtut. (Geografisk tidsskrift, Kjøbenhavn, 1882. Bd. 6, p. 44-50) **Title tr.:** The cryolite mine at Ivigtut.

Description of the region, the cryolite mine, and the mining community.

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5404. **FRITZ, S.** Nogle iagttagelser om isforholdene paa Grønlands sydvestkyst. (Geografisk tidsskrift, Kjøbenhavn, 1881. Bd. 5, p. 78-81) **Title tr.:** Observations of ice conditions on the southwest coast of Greenland.

Discussion of the East Greenland Current, icebergs, drifting ice and flood ice.

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5405. **FRITZ, S.** Sydøsten i Sydgrønland. (Geografisk tidsskrift, Kjøbenhavn, 1878. Bd. 2 (p. 182-83) **Title tr.:** The southeast wind in South Greenland.

Comment on Hoffmeyer's *Den grønlandske fohn*, q.v. describing three types of wind and their effects at Ivigtut, West Greenland: the fohn wind, the Davis Strait southeast wind, and the simultaneous occurrence of these two winds. **Copy seen:** DLC.

5406. FRODA, FRODE BENJAMIN, 1868- . Beretning om rejsen. (*In his: Opmaalingsexpeditionen til Egedesminde distrikt, 1897. Pub. in: Meddelelser om Grønland, 1898. 14. hefte, p. 265-87, map*) **Title tr.:** Report of the journey.

Account of the expedition, undertaken to make a topographical survey in the Egedesminde District and for geological and botanical investigations there; also discussion of the physical geography of the district and of tidal geomagnetic and meteorological observations, with explanatory remarks to the map.

Map: The west coast of Greenland from 67°20' to 69°20'N., prepared by Frode Petersen [author's original name], 1897. **Copy seen:** DLC.

5407. FRODA, FRODE BENJAMIN, 1868- . Om identificeringen af "Brade Ransons forde". (Meddelelser om Grønland. 20. hefte, p. 331-36, illus. (map)) **Title tr.:** On the identification of "Brade Ransons forde".

Discussion of various theories of the identification of this West Greenland fiord (as Atanek Fjord, about 68°N. 52°30'W.) described and mapped by James Hall in a manuscript report of the Danish Expedition for the rediscovery of Greenland, 1605. Summary in French, p. 351. **Copy seen:** DLC.

5408. FRODA, FRODE BENJAMIN, 1868- , and others. Opmaalingsexpeditionen til Egedesminde-distrikt, 1897, under ledelse af Frode Petersen. (Meddelelser om Grønland, 1898. 14. hefte, p. 263-399, plates X-XII) **Title tr.:** The Surveying Expedition to Egedesminde District, 1897, under the leadership of Frode Petersen [later known as F. B. Froda].

Contents tr.: Froda, F. B. Accounts of the journey.

PJETURSEN, Helgi. Geological notes.

KRUUSE, C. The vegetation on the coast of Egedesminde.

Each part appears in this Bibliography under its author's name. A summary in French, p. 416-20.

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5409. FRODA, FRODE BENJAMIN, 1868- . Some observations made in North-Greenland 1923. (Meddelelser om Grønland, 1925. Bd. 59, p. 39-54, illus., col. fold. plate)

Observations on the retreat of Blaesdalen glaciers, Disko Island, between 1897 and 1923, and measurements on sinking of the land of Godhavn during the same period. Marking of datum planes at locations between Egedesminde and Upernavik, West Greenland, for future measurements, and brief observations on indications of submergence and re-elevation of the land near Umanak.

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FRODA, FRODE BENJAMIN, 1868- , see also Bruun, D., & F. B. Froda. Arkæologiske undersøgelser i Julianehaabs distrikt. 1896.

5410. FRÖDIN, JOHN OTTO HENRIK, 1879- . Iakttagelser i Kebnekaise-området sydberg. (Svensk botanisk tidskrift, 1917. Bd. 11, häfte 3-4, p. 325-43, illus. text maps) **Title tr.:** Observations in the southern mountains of Kebnekaise region.

Contains a study of elements of the flora of southern mountains in Kebnekaise region in Torne Lappmark, northern Sweden, with lists of plants and detailed data on geographical distribution of *Draba nemorosa* and *Potentilla multifida* v. *lapponica*; bibliography.

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5411. FRÖDIN, JOHN OTTO HENRIK, 1879- . Iakttagelser över Porjusområdet adventivflora. (Botaniska notiser, 1915. häfte 4, p. 191-94) **Title tr.:** Observations on the adventive flora of the Porjus region.

Contains a list of sixty-seven adventive plants from the Porjus region, Lule Lappmark, northern Sweden, collected in 1910-14 by the author.

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5412. FRÖDIN, JOHN OTTO HENRIK, 1879- . La limite forestière alpine et la température de l'air. (Botaniska notiser, 1920, p. 167-76) **Title tr.:** The alpine forest limit and air temperature.

Contains a discussion of the influence of various climatic factors, as temperature, winds, humidity, etc. on vertical distribution of forest vegetation (*Betula pubescens*, *Picea abies*, *Pinus silvestris*), in the mountains of Sweden, including Lapland.

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5413. FRÖDIN, JOHN OTTO HENRIK, 1879- . Några märkliga sydberg i Lule Lappmark. Tvänne nya lokaler för *Potentilla multifida*. (Svensk botanisk tidskrift, 1915. Bd. 9, häfte 2, p. 192-219, illus.) Title tr.: Some remarkable southern mountains in Lule Lappmark. Two new localities for *Potentilla multifida*.

Contains description of six mountains in Langesjaure region of southern Lule Lappmark, with list of plants and analysis of the vegetation for each locality.

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5414. FRÖDIN, JOHN OTTO HENRIK, 1879- . Några växtgeografiska notiser från Lule Lappmarks barrskogsregion. (Botanisk notiser, 1916. häfte 2, p. 67-68) Title tr.: Some geobotanical notes from the pine forest region of Lule Lappmark.

Contains a list of nineteen flowering plants from pine forest zone of Lule Lappmark with data on habitat and localities.

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5415. FRÖDIN, JOHN OTTO HENRIK, 1879- . *Polemonium coerulum***campanulatum*. Th. Fries i Lule Lappmark. (Botaniska notiser, 1912, häfte 5, p. 241-47) Title tr.: *Polemonium coerulum***campanulatum* Th. Fries in Lule Lappmark.

Contains a critical study of *Polemonium coerulum***campanulatum*, occurring in this district of northern Sweden, and related forms with a key to subspecies and varieties; bibliography (15 items).

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5416. FRÖDIN, JOHN OTTO HENRIK, 1879- . Växtopografiska anteckningar i Stora Lule älvs källområde. (Botaniska notiser, 1915, häfte 3, p. 113-38) Title tr.: Plant topographical notes from Stora Lule River region.

Contains a general geographical description of this region in southern Lule Lappmark, northern Sweden, explored by the author in 1910-14, and an alphabetical list of about three hundred

flowering plants with data on local distribution.

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5417. FRÖDIN, JOHN OTTO HENRIK, 1879- . Växtopografiska iakttagelser i mellersta delen av Torne Lappmarks fjällområde. (Botaniska notiser, 1916, häfte 1, p. 25-34) Title tr.: Plant topographical observations in the middle part of mountain region in Torne Lappmark.

Contains historical notes on botanical observations of the middle of mountain region in Torne Lappmark, explored by the author in 1915, and an alphabetical list of about one hundred thirty flowering plants with localities and brief data on habitat.

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5418. FROGNER, E. Means and extremes of sea temperature by the Norwegian coast. Oslo, Grondahl & Sons, 1948. 82 p. incl. tables, diagrs. (Geofysiske publikasjoner. v. 15, no. 3)

Tabulated results of observations, 1871-1943, including eighteen Norwegian coastal stations above the Arctic Circle and one on Jan Mayen.

Copy seen: DGS.

5419. FROLOV, V. Opyt raboty biuro pogody na Diksone. (Sovetskaja Arktika, 1940, no. 3, p. 26-31, illus.) Title tr.: Work of the weather station on Dickson Island.

Contains a description of the work at the meteorological station on Dickson Island, hydrological and meteorological conditions of Kara Sea; preparation of synoptic charts for flights and ships, difficulties of this work, and suggestions for improvement of synoptic charts and weather forecasting.

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5420. FROMMEYER, MARIA. Die Eisverhältnisse um Spitzbergen und ihre Beziehungen zu klimatischen Faktoren. (Annalen der Hydrographie und maritimen Meteorologie, Juli-Aug. 1928. Jahrg. 56, p. 209-14, 240-48, fold. diagr.) Title tr.: The ice conditions around Spitzbergen and their relation to climatic factors.

Doctoral dissertation, University of Munich.

Contains (1) introductory remarks on the effect of the Gulf Stream and East Spitsbergen Polar Current on general conditions of drift and pack ice; brief description of conditions in

fiords and bays of West Spitsbergen, and of conditions each year, 1898-1921.

2. Relation between ice and atmospheric pressure.

3. Amount of ice in the polar basin as the determining factor in drift-ice distribution around Spitsbergen.

4. Relation between ice and air temperature.

5. The question of the eleven-year sunspot period as an influencing factor.

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5421. FROST, R. L. A climatological review of the Alaska-Yukon plateau. (U. S. Weather Bureau. Monthly weather review, Aug. 1934. v. 62, p. 269-80, illus., plate)

The history of meteorological and aerological work in this area is traced from their beginnings. The régimes of the various climatological elements are characterized.

Copy seen: DLC.

5422. FROST, R. L. The winter of 1932-33 at Fairbanks, Alaska. (U.S. Weather Bureau. Monthly weather review, Nov. 1933. v. 61, p. 329-30)

Copy seen: DLC.

FROST, ROBERT E., *see* Cummins, T. Permafrost. 1949.

FROST, ROBERT E., *see* Woods, K. B., & others. Correlation between permafrost & soils. 1948.

FROST, ROBERT E., *see* Woods, K. B., & others. Use aerial photographs permafrost & soils. 1948.

5423. FRYBOM, FILIP, 1850-1913. Dagfjärilar insamlade af Svenska expeditionen till Jenisei 1876. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1877. Årg. 34, no. 6, p. 35-51) *Title tr.:* Diurnal butterflies collected by the Swedish Expedition to the Yenisey, 1876.

Contains list, with localities, synonymy and some descriptions, of fifty-one species, with discussion of distribution.

Copy seen: DLC.

5424. FRYBOM, FILIP, 1850-1913. Trollsländor (odonater) insamlade under Svenska expeditionen till Jenisei 1876. Stockholm, P. A. Norstedt, 1889. 21 p. plate. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 15, afd. 4, no. 4) *Title tr.:* Dragon flies (Odonata) collected by the Swedish Expedition to Yenisey, 1876.

Contains annotated list of twenty (including four new fully described) species.

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FRYBOM, FILIP, 1850-1913, *see also* Smitt, F. A. Recensio animalium Bryozorum. 1878.

5425. FRYE, THEODORE CHRISTIAN, 1869- . The kelp beds of Southeast Alaska. (*In:* Cameron, F. K. Potash from kelp, 1915. *Pub. in:* U. S. Dept. of Agriculture. Report. No. 100, p. 60-104) Based on observations of a Bureau of Soils party, the author in charge, May-Sept. 1913.

Contains remarks on wind, sea, and chemistry of sea water; notes on weight and chemistry of the kelps; observations on varieties of kelp; and tables showing the position, kind of kelp, density, length, width, tonnage, availability, etc., of kelp beds, from Dixon Entrance to Chatham Strait.

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5426. FRYE, THEODORE CHRISTIAN, 1869-, and LOIS CLARK. Attu Island bryophytes collected by Hardy. (Bryologist, June 1946. v. 49, p. 59-65, illus.)

Annotated list of twenty species of liverworts (with descriptions of two) and twenty-five species of mosses, collected by Robert M. Hardy while a member of the U. S. armed forces, 1945.

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FRYE, THEODORE CHRISTIAN, 1869-, *see also* Clark, L., & T. C. Frye. Attu I. Hepaticae by Howard. 1948.

FRYE, THEODORE CHRISTIAN, 1869-, *see also* Clark, L., & T. C. Frye. Small collection Alaskan Hepaticae. 1949.

FRYE, THEODORE CHRISTIAN, 1869-, *see also* Clark, L., & T. C. Frye. Some Hepaticae Alaska. 1942.

5427. FUCHS, THEODOR, 1842-1925. Ueber die während der Schwedischen geologischen Expedition nach Spitzbergen im Jahre 1882 gesammelten Tertiärconchylien. Stockholm, P. A. Norstedt, 1883. 9 p. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 8, no. 15) *Title tr.:* On the Tertiary molluscs collected by the Swedish Geological Expedition to Spitsbergen, 1882.

Discussion of previous research and of fossils collected on West Spitsbergen.

Copy seen: DLC.

5428. FUCHS, V. E., and V. F. WHIT-TARD. The East Greenland pack-ice and the significance of its derived shells. (Geographical journal, Nov. 1930. v. 76, p. 419-25, 2 plates) Results of the Cambridge East Greenland Expedition, 1929.

Contents: The pack-ice. Occurrences of mud with shells upon the pack-ice. Theories of the origin of shell-bearing glacial deposits of Pleistocene Age. Origin of the shelly muds on the East Greenland pack-ice and their relation to certain Pleistocene shelly deposits.

Copy seen: DLC.

FÜCKEL, L., see Bonorden, H. F., & L. Fückel. Pilze (2. deutsche Nordpol-fahrt). 1874.

5429. FUGE, DINGLEY P. Diatoms from near Kugssuk, West Greenland. (Meddelelser om Grønland. 1930. Bd. 76, p. 213-24 incl. tables) Reprinted as Oxford University Exploration Club, Greenland and Spitsbergen papers, 1939, no. 4.

Contains note on the locality, and habitats; list of fresh-water species collected at Kugssuk, an inlet in Godthaab Fjord, by the Oxford University Greenland Expedition 1928, with indication of their previous arctic record; summary discussion of the diatom vegetation in the Kugsak region.

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5430. FUGLSANG-DAMGAARD, A. Godthaab seminarium 1940-1945. (Grønlandske selskab. Aarsskrift, 1946. p. 118-30, illus.) *Title tr.:* The Godthaab seminary, 1940-1945.

Review (in brief) of the work accomplished in the first 100 years of its existence; and especially its work during the war years, noting American contribution to its library. Also comments on community library service, and publications issued by the seminary.

Copy seen: NN.

5431. FUGLSANG-DAMGAARD, A. Det grønlandske skolevaesen. (Grønlandske selskab. Aarsskrift, 1937. p. 59-77) *Title tr.:* The school system in Greenland.

Notes its origin and gradual development; administration of schools by the clergy; recommends that the school system be placed on equal footing with the church but not separated from it; discusses subjects, school buildings,

text books, etc. also laymen as teachers and administrators of schools.

Copy seen: NN.

5432. FULCOMER, ANNA. An Eskimo "kashim". (American anthropologist, 1898. v. 11, p. 55-58)

Description of a dance house at Saint Michael on the west coast of Alaska.

Copy seen: DLC.

FULLER, GRACE HADLEY, see U. S. Library of Congress. Division of Bibliography. Alaska; selected references. 1943.

FULLER, GRACE HADLEY, see U. S. Library of Congress. Division of Bibliography. Aleutian I. 1943.

5433. FULLER, VERYL RICHARDS, 1896-1935. Auroral and ionospheric station at the Alaska Agricultural College and School of Mines. (American Geophysical Union. Transactions, 1935. v. 16, p. 193-94)

Statement of program and work done at the station 1933-34 (now called University of Alaska).

Copy seen: DGS.

5434. FULLER, VERYL RICHARDS, 1896-1935, and ERVIN H. BRAMHALL. Auroral research at the University of Alaska 1930-1934. [College, Alaska] 1937. 130 p. incl. tables, diagrs. (Alaska, University. Miscellaneous publications. v. 3)

Reports on each year's work and description of the station and equipment, with later chapters on methods and conclusions. Chapters 1-3 are reprinted from *Terrestrial magnetism and atmospheric electricity*, Dec. 1931, Sept. 1933, and Sept. 1935.

Copy seen: MH; NNStef.

5435. FUNKE, A. Pilotballongobservationer i Abisko, 1913. Lancers de ballons-pilotes à Abisko en 1913. Uppsala, Almqvist & Wiksell, 1917. 59 p. (Sweden. Statens meteorologiska centralanstalt. Meteorologiska iakttagelser i Sverige, 1915. Bd. 57, (2:dra ser. bd. 43) Bihang 2) *Title tr.:* Pilot balloon observations at Abisko in 1913.

A discussion of the station site and its equipment and methods of conducting upper wind observations precedes the tabulations of the results of individual ascents of pilot balloons at Abisko from Aug. 11, 1913-Oct. 9, 1915.

Copy seen: DLC.

FUNSTON, FREDERICK, *see* Coville, F. V., & F. Funston. Botany Yakutat Bay. 1895.

5436. FUREUR DE L'OR À L'ALASKA. (Lectures pour tous, juin-juil, 1899. p. 687-96, 817-26, 935-44, illus.) *Title tr.*: The Alaska gold rush.

Popular article on routes to the Klondike, the manner of living and the night life, and general information on conditions in Dawson, with brief remarks on mining.

Copy seen: CaOAr.

FURNISH, WILLIAM MADISON, 1912-, *see* Miller, A. K., & W. M. Furnish. *Cyclolobus*, Permian East Greenland. 1940.

5437. FURNIVAL, GEORGE MITCHELL, 1908-. Geology of the area north of Contact Lake, N. W. T., Canada. (American journal of science, July 1939, v. 237, p. 476-99, fold. table, diagsr.)

Results of a detailed study, 1933, in that part of the Echo Bay district which lies between Contact Lake and the East Arm of Echo Bay, Great Bear Lake. Describes the rocks and contributes to a revision of the tables of geologic history for the region.

Copy seen: DLC.

5438. FURNIVAL, GEORGE MITCHELL, 1908-. The large quartz veins of Great Bear Lake, Canada. (Economic geology, Dec. 1935. v. 30, p. 843-59, illus.)

Results of field work, 1932, for the Canadian Geological Survey, with notes on the general geology of the area east of the lake, and a description, with discussion, of the "sloan dike."

Copy seen: DGS.

5439. FURNIVAL, GEORGE MITCHELL, 1908-. Silver mineralization at Great Bear Lake. (Canadian mining journal, Jan. 1934. v. 55, p. 5-8, illus.)

Indicates "the bearing which certain field relations may have upon the problem of the source of mineralization."

Copy seen: DGS.

5440. FURNIVAL, GEORGE MITCHELL, 1908-. A silver-pitchblende deposit at Contact Lake, Great Bear Lake area, Canada. (Economic geology, Nov. 1939. v. 34, p. 739-76, illus.) Portion of a Ph.D. thesis, Massachusetts Institute of Technology, 1935.

Contains a mineralogic study of the deposit operated by the Bear Exploration and Radium Co. Ltd., with discussion of its age, genesis and relationships.

Copy seen: DLC.

5441. FURSE, GEORGE DOUGLAS, 1901-. Rapakivi granite from the vicinity of Great Slave Lake. (Royal Society of Canada. Transactions, 1930. ser. 3, v. 24, sec. 4, p. 141-44)

Copy seen: DLC.

FURUHELM, J., see FURUHELM, HJALMAR.

FURUHELM, HJALMAR, see Dall, W. H. Tribes of extreme Northwest. 1877.

FURUHELM, HJALMAR, see also Heer, O. Flora fossilis alaskana. 1869.

5442. FUS, VIKTOR EGOROVICH, 1839-. *Astronomicheskiiä opredeleniä äkspeditšii na poliärnyi Ural liätom 1909 goda. St.-Petersbourg, 1911. 17 p., tables. (Äkspeditšiiä brat'ev Kuznetsovkh na poliärnyi Ural, 1909. Résultats scientifiques. Livr. 2. Pub. as: Akademiä nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique, vol. 28, no. 2) Title tr.*: The astronomical determinations of the Expedition to the Arctic Ural in the summer of 1909. Determinations by O. O. Baklund (H. G. Backlund) of eleven points between 66°41'48"N. and 69°15'27"N. for latitude and seven points between 65°54'21"E. and 67°47'44"E. for longitude.

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5443. FUS, VIKTOR EGOROVICH, 1839-. *Astronomicheskiiä raboty, proizvedennyä uchastnikami Russkoï poliärnoi äkspeditšii k ust'äm riëki Leny v 1882-1884 godakh. Die von den Gliedern der russischen Polar-Expedition an die Lenamündung ausgeführten astronomischen Beobachtungen 1882-1884. (In: International Polar Year. 1st, 1882-1883. Äkspeditšiiä k ust'äm riëki Leny, 1882-1884. Trudy Russkoï poliärnoi stantsii, 1895. Chast' 1, p. 1-22) Title tr.*: Astronomical observations carried out by the members of the Russian Polar Expedition to the Lena delta, 1882-1884. Text in Russian and German.

Contains data for determination of geographic position, description of the instrumentation and some discussion of the area at the station, about

73°22'48"N. 126°30'E. on Sagastyr Island and for other places between Yakutsk and the station.

Copy seen: DLC.

5444. FUS, VIKTOR EGOROVICH, 1839- , *editor*. *Opredēleniā geograficheskikh shirot i dolgot, proizvedennyā v 1893-m godu Leitenantom E. I. Shileiko, vo vremiā ēkspeditšii na Novosibirskie ostrova i vdol' beregov Ledovitago okeana*. St.-Pētersbourg, 1899. 26 p. tables. (Akademiā nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique. Vol. 8, no. 5) *Title tr.*: Determinations of geographic latitudes and longitudes made in 1893 by Lieutenant E. I. Shileiko in the course of the expedition to the New Siberian Islands and along the coasts of the Arctic Ocean.

Methods and results of observations made on sixty-four days during an expedition sponsored by the Academy of Sciences. Thirty-three of the thirty-five points determined lie between 67°32'44" and 75°38.2'N. and 102°19.7' and 141°24'E. According to Fus, much of the territory, notably the New Siberian Islands, land lying between Olenek and Khatanga Rivers, and east of the Lena, had never been adequately surveyed.

Copy seen: DSI.

FUS, VIKTOR EGOROVICH, 1839- , *see also* Backlund, H. G. *Astronomicheskiiā opredēleniā (Khatangskaiā ēksped. 1905)*. 1915.

FUS, VIKTOR EGOROVICH, 1839- , *see also* International Polar Year, 1st, 1882-1883. *Ėkspeditšiiā na Novuū Zemlū*. Trudy Russkoī poliārnoī stantšii. 1886-91.

FUSS, V., *see* FUS, VIKTOR EGOROVICH, 1839- .

5445. FYFE, ANDREW. On the quantity of saline matter in the water of the north polar seas. (Edinburgh philosophical journal, June 1819. v. 1, p. 160-63, incl. table)

Results of gravimetric analyses of samples collected and brought back by Capts. Scoresby and Ross, showing specific gravity at 45°F. and saline content, with remarks on the generally higher salinity north of 62°N.

Copy seen: DLC.

5446. G., K. Svedeniā o buřākh, nai-dennykh v Karskom more. (Problemy

Arktiki, 1938, no. 1, p. 159) *Title tr.*: Some information on buoys found in Kara Sea.

Gives locations where four buoys were dropped, and found in Kara Sea, indicating the drift.

Copy seen: DLC.

G., L. S., *see* Obshchestvo Izucheniā Sovetskoi Azii. *Īakutskaiā sektšiiā. Samolet nad Īakutiei. 1933*.

5447. G., S. Na Shpitšbergene. (Priroda, 1917. No. 9-10, col. 1023-27, illus.)

Title tr.: On Spitsbergen.

A brief sketch of West Spitsbergen, with somewhat more detailed information on the coal mines and the companies developing them.

Copy seen: DF.

5448. GAARDER, KAREN RINGDAL. Phytoplankton studies from the Tromsø district 1930-31. Tromsø, K. Karlsen, 1938. 159 p. illus., plates 1-4. (Tromsø, Norway. Museum. Aarshefter, 1932. Bd. 55, no. 1)

Contains data on material and methods, description of plankton conditions, remarks on about two hundred species, including descriptions of four new species and one variety, composition of phytoplankton at various seasons, discussion of the changes in the plankton in relation to the changes in some physical and chemical conditions, factors determining the annual cycle, bibliography (66 items) and 32 tables of plankton content of various stations.

Copy seen: MH-Z.

GAAZE, O. F., *see* GAZE, OL'GA FEDOROVNA, 1898- .

5449. GABEL-JØRGENSEN, CARL CHRISTIAN AAGE, 1895- . Dr. Knud Rasmussen's contribution to the exploration of the south-east coast of Greenland, 1931-1933. (Geographical journal, July 1935. v. 86, p. 32-53, 6 plates (incl. port. and sketch map))

A paper read before the Royal Geographical Society, in honor of Knud Rasmussen, which gives an account (in brief) of the Sixth Thule Expedition, 1931, and (in greater detail) of the Seventh Thule Expedition, 1932-33.

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5450. GABEL-JØRGENSEN, CARL CHRISTIAN AAGE, 1895- . Knud Rasmussen, oversigt over rejserne til Østgrønland samt nogle mindeord.

(Geografisk tidsskrift, København, 1934. Bd. 37, p. 31-42) *Title tr.*: Knud Rasmussen; summary of his travels in East Greenland and some words of remembrance.

Remarks on the Fourth and Sixth Thule Expeditions; brief account of the Seventh Thule Expedition; and evaluation of Rasmussen as a scientist, explorer and personality; also memorial remarks by Diamond Jenness. In Danish and English. *Copy seen:* DLC.

5451. GABEL-JØRGENSEN, CARL CHRISTIAN AAGE, 1895- . 6. og 7. Thule-expedition til Sydøstgrønland, 1931-33; leader: Knud Rasmussen. Report on the expedition. København, C. A. Reitzel, 1940. 270 p. illus. (incl. ports., maps) fold. map (in pocket). (Meddelelser om Grønland. Bd. 106, nr. 1)

Account by the second-in-command, prepared after Rasmussen's death, of the Sixth Thule Expedition, a motor boat voyage from Lindenow's Fiord to Angmagssalik and return, Aug.-Sept. 1931; and of the Seventh Thule Expedition, 1932-33, along the east coast of Greenland from Cape Farewell to Umi-vik (64°10'N.). The author, in charge of geodetic work, gives a full account of personnel, boats, equipment, itineraries, and a summary of the distances traversed by sea and air; an outline of the magnetic observations and archeological investigations made in 1931 especially at Lindenows Fiord. Describes the mapping (photogrammetric, land and air) of the east coast on the Seventh expedition, the geological, archeological, anthropological, zoological and botanical investigations and collections made. Includes a detailed account of K. Rasmussen's activity during these (his last) three years; also a chapter on ice conditions, harbors and bases in south-east Greenland.

Map: Cape Farewell to Scoresby Sound, scale 1:2 million.

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5452. GABEL-JØRGENSEN, CARL CHRISTIAN AAGE, 1895- , and J. EGEDAL. Tidal observations made at Nanortalik and Julianehaab in 1932-1934. A. Works in field, by C. C. A. Gabel-Jørgensen. B. Results from tidal observations made in South-Greenland, by J. Egedal. København, C. A. Reitzel, 1940. 47 [1] p. incl. illus., tables. (Med-

delelser om Grønland. Bd. 107, nr. 2)

Results of the Sixth-Seventh Thule Expedition to southwest Greenland, 1931-33; and investigations continued to the summer of 1934, after the conclusion of the expedition.

Contains an account of the observations and works in the field by the leader of the expedition, Gabel-Jørgensen; and a deducing of the results by J. Egedal. Egedal discusses the tidal records, showing that in relation to older observations they offer a sure value for the sinking of southern Greenland; includes records of exact values obtained for harmonic constants and for fixing mean sea level.

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5453. GABRIELSON, IRA NOEL, 1889- . Some Alaskan notes. (Auk, Jan.-Apr. 1944. v. 61, p. 105-130, 270-87)

Contains a log of a trip in summer 1940, to visit U. S. Fish and Wildlife services in Alaska; and an annotated list of one hundred ninety-one species and subspecies of birds along the south coast of Alaska, the eastern Aleutians, Bering Sea Islands and Alaskan coast, and from Anchorage to Mt. McKinley Park, Fairbanks, and return.

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5454. GABUS, JEAN. Igloos; vie des Esquimaux-caribou. Mission ethnographique suisse à la Baie d'Hudson 1938-39. [Nouv. éd.] Neuchâtel, V. Attinger [1944] 259 p. illus., 16 plates, 2 maps. Dated at end Oct. 12, 1940, and first published about 1941. *Title tr.*: Igloos; life of the Caribou Eskimos. Swiss Ethnographic Expedition to Hudson Bay, 1938-39.

Narrative for general readers of this one-man expedition to the west coast of Hudson Bay to make ethnographical collections for the ethnographical museums of Neuchâtel and Bâle, make recordings of folk songs of the Padleir-miut and to take a short documentary film. The author describes his trip via Winnipeg, Fort Churchill, Hudson Bay, up to Maguse River to Padlei (about 61°57'N. 96°40'W.); his sojourn among the Eskimos, their day-to-day life, customs, dress, skin tents and snow houses, dogs, etc.; seal hunting in Eskimo Point region of Hudson Bay, caribou hunting in the Barren Lands, caribou migration (indicated on map); mention of white men's encroachment

on Eskimos' way of life, radio, airplane, Hudson's Bay Co., Catholic missions, etc. Includes brief outline of collections made, and descriptions, with diagrams, of types of (also specific) snow houses.

Copy seen: DLC.

5455. GAD, FINN. Grønlands historie. En oversigt fra ca. 1500 til 1945. København, Ejnar Munksgaards Forlag, 1946. 272 p. illus., maps. (Grønlandske selskab. Skrifter 14) **Title tr.:** The history of Greenland; a survey from about 1500 to 1945.

Describes Eskimo culture in Greenland, comparing finds made there by Therkel Mathiassen, with finds made by Helge Larsen in Alaska, indicating Eskimo migration from arctic Canada to Greenland previous to the year 1000; also contrasts the Dorset culture with the Thule culture and points to the relation between finds by Erik Holtved on Ruin Island in Marshall Bay, West Greenland, and finds and discoveries in Alaska; traces the Eskimos' early contact with Europeans, particularly Dutch traders, and later, Danes. Remarks on success of Danish administration of Greenland, and relations with Eskimos. Discusses proclamation on Greenland trade and navigation; Hans Egede's colonization project; whaling, shipping, missionary work; Jacob Severin's contribution as head of the Greenland trading company; establishment of a whaling station on Disko; the Herrnhut (Moravian) mission; language, ethnology, seal hunting, the Danish government trade monopoly of Jan. 1, 1776; health, education, etc. Includes statistical and general information.

Copy seen: MH; NN; NNA.

5456. GAD, FINN. Nye tanker om det grønlandske skolevaesen. (Grønlandske selskab. Aarskrift, 1948. p. 81-93) **Title tr.:** New thoughts on the Greenlandic school system.

Reviews past education in Greenland, recommends a survey of current methods and problems, and a general reform of the system.

Copy seen: NN.

5457. GADD, GEORGII. Spisok gefirei Kol'skago zaliva i 2 novykh vida *Phascolosoma*. (Leningradskoe obschestvo estestvoispytatelei. Trudy, 1911. T. 42, vyp. 1, p. 79-93, 102-105, plate) **Title**

tr.: List of Gephyrea of Kola Bay and two new species of *Phascolosoma*.

Contains a list of eleven species of annelid worms (class Gephyrea), including Russian and German descriptions of *Phascolosoma kolense* and *P. derjugini* n. spp., collected in Kola Bay, with data on habitat; bibliography (10 items). Summary in German.

Copy seen: MH-Z.

GADD, GEORGII, see also Derjugin, K. M. K faunife Kol'skago zal. I-II, 1908-09. 1910-11.

5458. GAERTNER, HANS RUDOLF von, and FELIX MACHATSCHKI. Der Thomsonit aus dem Basalte von Disko, Grönland. (Centralblatt für Mineralogie, Geologie und Paläontologie, 1927. Abt. A. p. 365-66) **Title tr.:** Thomsonite from the basalt of Disko, Greenland.

Mineralogical description of a specimen from Lyngmarkenfeld, near Godhavn.

Copy seen: DGS.

5459. GÄUMANN, ERNST ALBERT, 1898-. Ein Beitrag zur Kenntnis der lappländischen Saprolegnien. (Botaniska notiser, 1918. p. 151-59) **Title tr.:** A contribution to the knowledge of Saprolegniaceae of Lapland.

Contains a study of arctic submerged fungi of the family Saprolegniaceae, based on a collection made in the Abisko district, Torne Lappmark, with critical revision of nine species of *Saprolegnia* and two of *Achlya*, including *S. lapponica* n. sp. and *S. mixta* var. *Asplundii* n. var.

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5460. GAEVSKAIA-SOKOLOVA, NA-DEZHDA STANISLAVOVNA, editor, and others. Opredeletel' fauny i flory severnykh morei SSSR. Moskva. Sovetskaiâ nauka. 1948. 739 p. illus., 136 plates. **Title tr.:** Handbook of the fauna and flora of the northern waters of the U.S.S.R. **Contents tr.:** SHCHEDRINA, Z. G., Foraminifera.

FASHNOV, V. A. (1) Radiolarians (Radiolaria); (2) Sponges (Porifera); (3) Hydromedusae, Siphonophora, Scyphosoa, Anthozoa; (4) Ctenophorans (Ctenophora); (5) Worms (Vermes), Nemertini-Rotatoria; (6) Arthropods (Arthropoda); (7) Crustaceans (Crustacea); (8) Pteropods (Pteropoda); (9) Chaetognatha; (9) Appendicularia.

GAEVSKAIA-SOKOLOVA, N. S. Suborder Tintinninea.

BEREZINA, N. A. Order Leptolina. BRONSHTEIN, Z. S. Classes Pantopoda and Brachiopoda.

ZATSEPIN, V. I. Annelid worms, classes Polychaeta, Echiuroidea, Priapulidea, Sipunculoidea.

FILATOVA, Z. A., and V. I. ZATSEPIN. Gastropoda.

ZATSEPIN, V. I. Loricata (Polyplacophora); Solenogastres (Aplacophora); Scaphopoda.

FILATOVA, Z. A. Class of bivalves (Bivalvia, Lamellibranchiata).

KONDAKOV, N. N. Cephalopoda.

ABRIKOSOV, G. G. Bryozoa.

SHORYGIN, A. A. Echinodermata (Echinoderms).

OLIFAN, V. I. Ascidiaceae.

MEIER, K. I. Brown, red and green algae.

USACHEV, P. I. Chrysophyta; Peridinians (Peridineae); Xanthophyta (yellow-green algae) and diatoms (Diatomeae).

MEIER, K. I. Seed plants, Angiosperms (Angiospermae).

Each paper appears in this Bibliography under its author's name.

Supplements: Plates 1-136, p. 561-700; classified bibliography (210 items) arranged by classes and orders, p. 701-706; index of Russian names and terms, p. 707-710; and index of Latin names, p. 711-37. *Copy seen:* DLC; MH-Z.

5461. GAEVSKAIA-SOKOLOVA, NA-DEZHDA STANISLAVOVNA. Podotriad-Tintinninea. (In: Gaevskaia-Sokolova, N. S., and others. *Opredelitel' fauny i flory*, 1948. p. 24-34, illus., plates 6-9) *Title tr.:* Suborder Tintinninea.

Contains data on the morphological characteristics of Infusoria, parasitic on plankton of the arctic seas; with keys to nine families, genera and species of suborder Tintinninea (order Heterotricha) native to northern waters of the U.S.S.R.

Copy seen: DLC; MH-Z.

5462. GAGARIN, S. P., kniaz'. Dva puti ot Pechory na Ob'. (Vsesoiuznoe geograficheskoe obschestvo. *Izvestiia*, 1867. T. 3, p. 177-78) *Title tr.:* Two routes from the Pechora to the Ob'.

Information on two routes across the Urals at about 65°N. and 66°30'N., as

given to the author by peasants of the Pechora region. *Copy seen:* DLC.

GAGE, WILLIAM LEONARD, see Hyde, A., & others. Frozen zone. 1874.

5463. GAIDUKOV, NIKOLAI MIKHAILOVICH, 1874-1929. *Kratkii istoricheskii ocherk algologicheskikh issledovaniy Rossii.* (Leningradskoe obshchestvo estestvoispytatelei. *Trudy*, 1898. T. 29, no. 1, *Protokoly zasiedaniy*, No. 8, p. 278-92) *Title tr.:* Brief historical review of the algal investigations of Russia.

Contains data on the progress of the study of algae in Russia with some references to the most important algal works and expeditions, some concerning arctic regions. It was republished later in a slightly modified form as a part of Gaidukov, N. M. *Literaturnye istochniki k russkoi flori vodoroslei*, 1901, q.v. *Copy seen:* MH-Z.

5464. GAIDUKOV, NIKOLAI MIKHAILOVICH, 1874-1929. *Literaturnye istochniki k russkoi flori vodoroslei.* S.-Peterburg. *Tipogr. Shredera*, 1901. 126 p. (Leningrad. Universitet. *Botanicheskii sad. Botanicheskii zapiski*, Vyp. 17) *Title tr.:* Sources of the literature on the algal flora of Russia.

Contains (1) a list of the journals used in compiling the bibliography, (2) a brief historical survey of the algal exploration of Russia, and (3) an extensively annotated bibliography of four hundred fifty-two works on algae (including many papers concerning the Russian arctic regions), with a geographical index. For a continuation see: Elenkin, A. A., and L. A. Ol'. *Bibliografiia al'gologicheskikh trudov v predelakh S.S.S.R. s 1900 po 1925 g.g. vkluchitel'no*, 1929. Summary in German. *Copy seen:* MH-A.

GAIMARD, PAUL, 1790-1858, see France. Commission scientifique du Nord. *Voyage en Islande et Groenland* 1835-36. 1838-43.

GAIMARD, PAUL, 1790-1858, see France. Commission scientifique du Nord. *Voyages en Scandinavie* (etc.) 1838-40. 1842-55.

5465. GAIN, LOUIS. Charcot et son oeuvre. (Société royale belge de géographie. *Bulletin*, 1936. Année 60, p. 169-98, illus.)

Outline of Jean Charcot's scientific and exploratory work in polar regions with a chronicle of the voyages of his schooner *Pourquoi Pas?* 1908-1936.

Copy seen: DLC; NN.

GAIN, LOUIS, *see also* Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1931. 1932.

5466. GAKEN, N. N. Novyi metod zimnego promera v polfarnykh usloviakh. (Severnii morskoi put', 1934. no. 1, p. 33-37, illus.) *Title tr.:* A new method of taking soundings in polar regions.

A discussion of methods used in Chaun Bay, during the wintering, 1932-33, by a Russian party of the International Polar Year Expeditions. Summary in English.

Copy seen: DLC.

GAKEN, N. N., *see also* Evgenov, N. I., & N. N. Gaken. Ispolzovanie okraski l'da. 1934.

GAKEN, N. N., *see also* Gorbunov, G. P., & N. N. Gaken. Otchet ob uchastii v issledovaniiakh 1927. 1929.

5467. GAKKEL', IAKOV IAKOVLEVICH. Arkticheskaiâ navigatsiia 1937 goda. (Problemy Arktiki, 1938, no. 1, p. 117-34, illus.) *Title tr.:* Arctic navigation for 1937.

Account of shipping and voyages in Russian arctic waters.

Copy seen: DLC.

5468. GAKKEL', IAKOV IAKOVLEVICH. Arkticheskaiâ navigatsiia 1938 goda. (Problemy Arktiki, 1939, no. 1, p. 72-77, illus.) *Title tr.:* Arctic navigation for 1938.

A summary report on shipping in arctic waters of U.S.S.R., giving names of ships and their more outstanding voyages.

Copy seen: DLC.

5469. GAKKEL', IAKOV IAKOVLEVICH. Dvoinoi skvoznoi reis parokhoda "Mossoviet". (Problemy Arktiki, 1937, no. 4, p. 139) *Title tr.:* Double through-voyage of the s/s "Mossoviet".

A note on the voyages from Murmansk to Petropavlovsk and (intended) return, July-Sept. ?, 1937. Summary in English, p. 179.

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5470. GAKKEL', IAKOV IAKOVLEVICH. Ekspeditsiia na l/p "Chel'uskin".

(In: Shmidt, O. IU., and I. A. Gakkel', editors. Nauchnye rezul'taty rabot ekspeditsii na Chel'uskinie i v lagere Shmidta. 1938. v. 1, p. 1-24, illus.) *Title tr.:* Expedition on the ice-breaker Chel'uskin.

A general account of the voyage along the Northern Sea Route, 1933-34, with some details on the structure of the ice-breaker and list of supplies and equipment taken on board and later salvaged on the ice when ship was abandoned.

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5471. GAKKEL', IAKOV IAKOVLEVICH. Instrukttsiia dlia proizvodstva nabludenii nad l'dami s korabli. Moskva, Izd-vo Glavsevmorputi, 1944. 48 p., tables. *Title tr.:* Instructions for making observations on ice floes from a ship.

Third edition of work published in 1939 and 1940, Posobiia i rukovodstva (Handbooks and Manuals) no. 9, issued by the Main Administration of the Northern Sea Route. Tells what different ice forms look like, how to determine their speed and direction of drift; how to keep an ice log.

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5472. GAKKEL', IAKOV IAKOVLEVICH. Iz Murmansk vo Vladivostok. (Sovetskaiâ Arktika, 1936, no. 2, p. 50-54, illus.) *Title tr.:* From Murmansk to Vladivostok.

Comment on the voyage of the timber freighters *Vantsetti* and *Iskra*, also on sealing operations along the Northern Sea Route in 1935.

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5473. GAKKEL', IAKOV IAKOVLEVICH. Materialy po kartografii Kar'skogo moria. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1933. T. 10, p. 165-74, illus. maps) *Title tr.:* Materials on the cartography of Kara Sea.

Information on Sverdrup, Sidorov, Uyedineniya and Shmidt Islands, gathered during the *Sibiriakov's* voyage, 1932. Summary in English.

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5474. GAKKEL', IAKOV IAKOVLEVICH. Nauchnye rezul'taty ekspeditsii skvoznogo plavaniia na p/kh "Vantsetti" v 1935 godu. Leningrad, Izd-vo Glavsevmorputi, 1938. 63 p. illus., 2 fold. maps, tables. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy.

T. 129) *Title tr.*: Scientific results of the expedition on the "Vanzetti", through the Northern Sea Route in the navigation season 1935.

Data on ice-conditions and oceanographic, and meteorological observations conducted during the voyage of S.S. *Vanzetti* from Yugorskiy Shar to Vladivostok. *Copy seen*: DLC.

5475. GAKKEL', IAKOV IAKOVLE-VICH. O deviat'sii magnitnykh kompasov v Arktike. (Problemy Arktiki, 1937, no. 3, p. 65-82, fold. map, diagr.) *Title tr.*: On the deviation of the magnetic compass in the Arctic.

A study based on data supplied by several ships from their voyages along the Northern Sea Route, U.S.S.R., with a map indicating the magnetic meridians. Summary in English.

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5476. GAKKEL', IAKOV IAKOVLE-VICH. Opredelenie kolichstva l'da. (Problemy Arktiki, 1939, no. 7-8, p. 81-88, illus.) *Title tr.*: Determination of the quantity of ice.

Discussion of system which seeks to establish an easy method of determining the percentage of the sea's surface covered by ice. *Copy seen*: DLC.

5477. GAKKEL', IAKOV IAKOVLE-VICH. Opyt ot'senki prokhodimosti l'da na trasse Severnogo morskogo puti za navigatsiiu 1933 i 1935 godov. (Problemy Arktiki, 1937, no. 1, p. 81-101, diagrs. tables) *Title tr.*: An attempt to estimate the navigability of ice on the Northern Sea Route for the seasons of 1933 and 1935. Summary in English.

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5478. GAKKEL', IAKOV IAKOVLE-VICH. Oshibki v arkticheskoi navigatsii 1937 goda. (Sovetskaya Arktika, 1938, no. 3, p. 28-40, illus., tables) *Title tr.*: Defects in arctic navigation in 1937.

Discussion of the inadequate work of the administration controlling the sailing operations in 1937, and need for improvement of the navigation service in the future. *Copy seen*: DLC.

5479. GAKKEL', IAKOV IAKOVLE-VICH. Plavanie parokhoda "Mossovet" v 1937 godu. (Problemy Arktiki, 1938, no. 1, p. 91-97, illus.) *Title tr.*: Voyages of the S.S. *Mossovet*, 1937.

Description of voyages on the Northern Sea Route. *Copy seen*: DLC.

5480. GAKKEL', IAKOV IAKOVLE-VICH. Prokhodimost' l'dov na Severnom morskoy puti. (Sovetskaya Arktika, 1937, no. 8, p. 92-98, illus., tables) *Title tr.*: Penetrability of ice on the Northern Sea Route.

Abridged report on methods of evaluating ice conditions according to decrease in the speed as she passes through ice; delivered at the Hydrological Section of the session on the Arctic Institute Scientific Council in 1937. *Copy seen*: DLC.

5481. GAKKEL', IAKOV IAKOVLE-VICH, and A. F. LAKTIONOV. Al'bom ledovykh obrazovaniy. Pod obshchei redaktsiei V. I. U. Vize. Izd. 2. Leningrad-Moskva, Izd-vo Glavsevmorputi, 1940. 74, [1] p. incl. 61 plates. *Title tr.*: Album of ice forms, under the editorship of V. I. U. Vize. 2d ed. First edition was published in 1931 by the Hydrographic Dept. of the U.S.S.R. Navy.

Contains a classification of marine ice and terminology, followed by reproductions of photographs illustrating the various forms and types of ice.

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5482. GAKKEL', IAKOV IAKOVLE-VICH, and P. K. KHYMYZNIKOV. Nauchnye rezul'taty gidrografo-gidrologicheskikh rabot ekspeditsii na "Cheliuskine", proizvedennykh v Karskom more, more Laptevskiy i Vostochnosibirskom more. (In: Shmidt, O. I. U., and I. A. Gakkel', editors. Nauchnye rezul'taty rabot ekspeditsii na "Cheliuskine" i v lagere Shmidta. 1938, v. 1, p. 25-140, illus., maps, tables, diagrs.) *Title tr.*: Scientific results of hydrographic and hydrological work of the *Cheliuskin* Expedition in the Kara, Laptev, and East Siberian Seas.

Results of the *Cheliuskin* Expedition 1933-34, observations made in these seas from four hundred fifty-six surface stations, on currents, ice conditions, etc., along the Northern Sea Route, and records of depth measurements at one thousand forty-five locations with geographic coordinates.

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5483. GAKKEL', IAKOV IAKOVLE-VICH, and P. K. KHYMYZNIKOV. Rezhim Chukotskogo morya po nabluzheniyam vo vremya dreifa "Cheliuskina" i lagerya Shmidta. (In: Shmidt, O. I. U., and I. A. Gakkel', editors. Nauchnye

rezul'taty rabot èkspeditzii na "Cheliûskine" i v lagere Shmidt, 1938. v. 2, p. 5-188, illus., sketch maps, tables, diagrs.) **Title tr.:** The régime of the Chukchi Sea according to observations made during the drift of the *Cheliûskin* and Camp Shmidt.

Contents tr.: Introduction.

Chap. 1. Description of the voyage and the drift of the *Cheliûskin* and Camp Shmidt in the Chukchi Sea. (132 astronomic determinations, Sept. 16, 1933-April 2, 1934).

Chap. 2. Currents in the Chukchi Sea according to the data of the drift of the *Cheliûskin*. (Determinations of drift currents and constant currents from twenty-nine observations of wind velocity and drift, Oct. 12-Feb. 13. Determinations of tidal currents from 105 observations of wind velocity and drift, Nov. 17-Dec. 23).

Chap. 3. The fall and winter hydrological régime of the waters of the southern part of the Chukchi Sea (twenty-seven observations of surface water, including visibility and ice conditions, Sept. 16-Oct. 10. Observations at various depths at sixty stations, Sept. 16-April 4. Average water temperature between 10 m. and sea-floor, nine stations, Dec. 2-April 6; rate of temperature change; seven observations of oxygen content).

Appendixes: 1. Catalog of sea depths (1296 hourly observations Nov. 15-April 8).

2. The astronomical point at the "faktoriâ (trading station) Vankarem".

3. Navigability through the ice and the general navigability of the Northern Sea Route according to the data collected by the *Cheliûskin* in 1933. (215 observations, from Matochkin Shar to Cape Serdtse-Kamen', Aug. 13-Oct. 8).

4. Drift buoys launched from the *Cheliûskin* in the Chukchi Sea.

Maps: About 35 sketch maps of the *Cheliûskin* drift and plans of Camp Shmidt in various stages.

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GAKKEL, IAKOV IAKOVLEVICH, *see also* Shmidt, O. Iû., & I.A. I.A. Gakkel', eds, *Nauchnye rezul'taty èksped. Cheliûskina 1938*.

5484. GALAKHOV, N. O klimate tšen-tral'noi Æakutii. (Meteorologiiâ i gidro-

logiiâ, 1936, no. 3, p. 27-34, tables)

Title tr.: Some data concerning the climate of central Yakutia.

The average temperature, precipitation, cloudiness and humidity conditions during the warmer months (May-Sept.) at four principal climatological stations are the basis of this work.

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5485. GALBREATH, LEONA. Bristol Bay boats. (Alaska life, Aug. 1944. v. 7, no. 8, p. 39-40, illus.)

Description of fishing boats and gill netting for salmon in Bristol Bay, Bering Sea.

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5486. GALETSKAÏA, A. A. Neudachnaïa popytkâ. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Seriiâ nauchno-populiârnaïa. Na Kamchatke. 1936, p. 155-58, illus.)

Title tr.: An unsuccessful attempt.

Account of an unsuccessful attempt to reach the peak of Klyuchevskaya Sopka, Kamchatka. **Copy seen:** DLC.

GALKIN, A. M., *editor, see* U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Politicheskoe upravlenie. Pechatnye gazety Arktiki. 1940.

5487. GALKIN, G. G. Malopozvonkovaiâ sel'd' (*Clupea harengus pallasi*) iz Obskoï guby. (Leningrad, Nauchno-issledovatel'skii institut poliârnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Seriiâ "Promyslovoe khoziâistvo", 1940. Vyp. 10, p. 87-94) **Title tr.:** Small vertebral herring (*Clupea harengus pallasi*) from Ob' Bay.

A description of a variety of herring from Ob' Bay, its measurements, growth and propagation.

Copy seen: DLC.

5488. GALKIN, G. G. Zapadnosibirskii kharius, *Thymallus arcticus* (Pallas), basseina Gydanskogo zaliva i severnoi chasti Obskoï guby. (Leningrad, Nauchno-issledovatel'skii institut poliârno-goz zemledeliâ, zhivotnovodstva i promyslovogo khoziâistva. Trudy. Seriiâ "Promyslovoe khoziâistvo", 1941. Vyp. 15, p. 137-40, tables) **Title tr.:** The west Siberian grayling, *Thymallus arcticus* (Pallas), of the Gydan Bay basin and the northern part of Ob' Bay.

Body measurements of forty specimens from these bays and from rivers and lakes of the region.

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GALKIN, G. G., *see also* Burmakin, E. V., & others. Rybnyi promysel v severnoi chasti Obskoi guby. 1940.

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Discussion of the diet of native peoples in the Soviet North; means for improvement, and encouragement of hot-house cultivation.

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5490. **GALKIN, N.** V zemle polunoch-nogo solntsa. Moskva-Leningrad, Izd-vo "Molodaia gvardiia," 1929 [etc.] 219, [1] p. illus., map. *Title tr.*: In the land of the midnight sun.

Day-to-day notes, July 1924-Aug. 1925, on the author's travels and experiences (as representative of a Russian state trade organization) in Chukotsk Peninsula; with observations on the Chukchis and Eskimos, their customs and way of life, hunting adventures, etc.

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5491. **GALLIAN, MARCELLO**, 1902-. I segreti di Umberto Nobile. Roma, Pinciana, 1928. xxxiii p., 1 l., [37]-236 p., 2 l., 4 plates. *Title tr.*: The enigma of Umberto Nobile.

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5492. **GALLØE, OLAF**, 1881-. Lichens from north-east Greenland (N. of 76° N. lat.) collected by the "Danmark-expedition" 1906-1908, determined by Olaf Galløe. 1910. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 9. (Meddelelser om Grønland, 1917. Bd. 43, p. 181-91)

Contains list, with localities, of sixty-eight species from the vicinity of Danmarks Havn, Germania Land, 76°46'N. 18°45'W., and bibliography.

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5493. **GALLØE, OLAF**, 1881-. Saxifragaceae. 2. The biological leaf-anatomy of the arctic species of Saxifraga. 1910. (In: Structure and biology of arctic flowering plants, nr. 4, 2 del. Pub. in: Meddelelser om Grønland, 1912. 36. hefte, p. 237-94, illus.)

Discussions of thirteen species.

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5494. **GALLOWAY, W. B.** The North Pole, the great ice age and the deluge, with an appendix on the differing magnetic phenomena of the South. London, S. Low, Marston & Co., 1900. 48 p.

Discussion of biblical and geological explanations of the phenomena mentioned in the title, with a statement of the author's view that the change of the earth's axis of rotation is the primary cause of both.

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5495. **GALSTER, JULIUS.** Grønland i flyvningens tegn. (Grønlandske selskab. Aarskrift, 1933-34. p. 131-41) *Title tr.*: Greenland in the aviation pattern.

Recalls fliers and flying expeditions in Greenland; discusses the value of the airplane in arctic exploration; Lindbergh's experiments and flight across the inland ice, 1932, etc.

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5496. **GALSTER, JULIUS.** Grønlandsk marmor. (Grønlandske selskab. Aarskrift, 1937. p. 5-18, illus. table) *Title tr.*: Greenlandic marble.

Discusses references by the Norsemen and others to marble deposits in Greenland; their geological history; deposits on the northern side of the Umanak Fiord (approx. 71°N. 51°W.); extension of deposits; tests, analyses and colors; methods used in quarrying the marble, etc.

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5497. **GALYSHEV, V. L.** Evakuatsiia passazhirov "Stavropolia". (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 324-30, illus.) *Title tr.*: Evacuation of the passengers of the *Stavropol'*.

Notes on the flights in 1929-30 to rescue crew and passengers of the steamer *Stavropol'* which was ice-bound near Mys Severnyy (Cape Schmidt); supplements the article of M. T. Slepnev, *Iz opyta poliarnykh poletov*, q.v.

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GAM, M., *see* Bugge, A., & M. Gam. Grønlandske skoleproblemer. 1930-31.

5498. **GAME, P. M.** Optical properties of olivines from Ubekendt Island, West Greenland. (Mineralogical magazine, Mar. 1941. v. 26, p. 11-15)

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GAME, P. M., *see also* Drever, H. I., & P. M. Game. Geology of Ubekendt Ejland. Pt. 1. 1948.

5499. **GAMEL, IOSIF KHRISTIANOVICH**, 1788-1861. The whale-killer, or thresher, mentioned by Tradescant in

the journal of his voyage to Russia, in 1618. (American Association for the Advancement of Science. Proceedings, 1854, pub. 1855. v. 8, p. 258-61)

A communication to the Association from a member of the St. Petersburg Academy of Sciences concerning 17th and 18th century accounts of killer whale attacks on whales in northern seas.

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5500. GAMMERMAN, A. F. Rastitel'nye ostatki iz mogil'nika na Bol'shom Olen'em ostrove. (Akademiia nauk SSSR. Komissia ekspeitsionnykh issledovani. Materialy, 1930. Vyp. 23. Seria severnaia. Kol'skii sbornik, p. 171-75, plate) *Title tr.*: Vegetal remains from the burial site on the Bol'shoy Oleniy Island.

Report on remains of plants found in ancient graves discovered by the Kola Expedition in 1928 on this island in Kola Bay (69°13'N. 33°29'E.)

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5501. GAMOV, V. S. Klinika i operativnoe lechenie vysokikh (III i IV) stepeni otmorozheniia. Leningrad, Gos. izd-vo meditsinskoj literatury, 1946. 139 p. illus., tables. *Title tr.*: Clinical aspects and surgical treatment of high (third and fourth) degree frostbite.

Contents tr.: 1. Place of frostbite among military casualties and peacetime sicknesses.

2. Nomenclature and classification.

3. Pathogenesis.

4. Clinical aspects.

5. Complications.

6. Surgical treatment (a survey of the literature).

7. Surgical treatment and its results. Conclusions.

Bibliography (144 Russian items, 60 non-Russian, supplementing bibliography in Ar'ev's *Otmorozhenie*, 1940, q.v., or published since 1939).

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GAMSBY, C. H., see Borron, E. B. Report on basin of Moose River & adjacent country. 1890.

5502. GANDOGGER, MICHEL, 1850-1922. Salaces novae. (Flora, 1885. Bd. 65, no. 15, p. 225-39) *Title tr.*: New species of Salix.

Contains Latin descriptions of four arctic species of willow, *Salix groen-*

landica, *S. platycarpa*, *S. vahlii* n. spp. from Greenland and *S. bothnica* native to Swedish Lapland.

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5503. GANDRUP, JOHANNES, 1882-, and others. A botanical trip to Jan Mayen. København, H. Hagerup, 1924. 34, [1] p. 8 illus. (Dansk botanisk arkiv, 1923. Bd. 4, no. 5)

The author spent several days on the island in Aug. 1919, as a representative of the Danish Botanical Museum, with support of the Carlsberg Fund, during the cruise of the surveying ship *Islands Falk*.

Contents: Pt. 1. Gandrup, J. Introduction. (Description of the soils, and natural conditions with respect to the flora).

Pt. 2. Enumeration of species. 1. Gandrup, J., and M. P. Porsild. Vascular plants. (Annotated list of twenty-eight species, two new to the island).

2. Petersen, J. B. Fresh-water Diatomaceae. (List with a few notes, of seventy-three species, of which thirty-eight are new records for the island).

3. Rosenvinge, L. K. Marine Algae. (Annotated list of eighteen, including with description, one new (green) species, of which four are new records).

4. Larsen, P. Fungi. (Annotated list of ten species, including four new to the island).

5. Mathiesen, F. J. Lichens. (Annotated list of forty-seven species, including twelve new records).

6. Hesselbo, A. Bryophyta. (Annotated lists of twenty-five liverworts and sixty-seven mosses representing all recorded species from the island).

Bibliography (9 items).

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5504. GANNETT, HENRY, 1846-1914. Altitudes in Alaska. Washington, U. S. Govt. Print. Off., 1900. 13 p. (U. S. Geological Survey. Bulletin, no. 169)

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5505. GANNETT, HENRY, 1846-1914. A dictionary of altitudes in the United States. Washington, U. S. Govt. Print. Off., 1884. 325 p. (U. S. Geological Survey, Bulletin no. 5)

Tabulations alphabetically arranged by states and territories, include Alaska (thirty-six entries) p. 29.

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5506. GANNETT, HENRY, 1846-1914. A dictionary of altitudes in the United States (2d ed.). Washington, U. S. Govt. Print. Off., 1891. 393 p. (U. S. Geological Survey. Bulletin no. 76)

An enlarged edition, with a single alphabetical arrangement.

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Enlarged edition, with alphabetical arrangement by states and territories; Alaska (forty-five entries) p. 32.

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5508. GANNETT, HENRY, 1846-1914. A dictionary of altitudes in the United States (4th ed.). Washington, U. S. Govt. Print. Off., 1906. 1072, ii p. (U. S. Geological Survey. Bulletin no. 274)

Enlarged edition, including, p. 32-44, more than four hundred Alaskan localities.

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5509. GANNETT, HENRY, 1846-1914. General geography. (*In:* Dall, W. H., and others. History, geography, resources. Harriman Alaska series, 1902. v. 2, p. 257-77, 11 plates)

Description of the Pacific coast region, Bering Sea, the interior, the climate, forests, population, resources, and scenery of Alaska, all in general terms.

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5510. GANNETT, HENRY, 1846-1914. The Harriman Alaska Expedition. (American Geographical Society, N. Y. Journal (Bulletin), 1899. v. 31, p. 344-55, sketch map)

A general account of the expedition, with a list of personnel. Full descriptions of its work appear in this Bibliography under the Harriman Alaska Expedition.

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5511. GANS, MARGARETE. Das Hudsonmeer. Hamburg, 1926. 113 p. incl. tables. 3 fold. plates (sketch maps). (Deutsche Seewarte, Hamburg. Aus dem Archiv der deutschen Seewarte. Jahrg. 44, nr. 1) *Title tr.:* Hudson Bay. Issued also as the author's doctoral dissertation, Leipzig.

Contains a history of the Bay's discovery and exploration as related to the search for the Northwest Passage,

and the fur trade of England and France.

Sketch of its geomorphology and geologic history; its present dimensions, coasts, drainage area, depths, islands, salinity, tides, currents, harbors, climate, plants, animals and inhabitants.

Description of its historic and present economy, the fur trade, settlements along the coast, and whaling; future plans and the Hudson Bay route to Europe. Bibliography (220 items).

Tables: Monthly and annual means and extremes of temperature, wind direction, and precipitation for Moose Factory, York Factory, Fort Churchill and Great Whale River.

Maps: 1. Hudson Bay region during the ice age.

2. Effect of cold: tree line, limit of potatoes, barley and wheat.

3. Commercial and trade routes.

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5512. GANSKII, ALEKSIĖI PAVLOVICH. Intensité de la pesanteur. [St. Pétersbourg, Académie impériale des sciences, 1905] 2 p. l., 122, [1] p. incl. tables, 5 plates (incl. map). (Missions scientifiques pour la mesure d'un arc de méridien au Spitzberg, 1899-1901. Mission russe. T. 1, Géodésie, sect. 5) *Title tr.:* Intensity of the gravity.

Results of the Russian Expedition to Measure an Arc of Meridian on Spitsbergen, which worked in the area between the southern tip of West Spitsbergen and about 78°40'N., including Edge and Barents Islands.

Contains description of instrumentation and results of control measurements on the mainland (in Sweden); determinations made at Whales Point (Edge Island), Whales Head (West Spitsbergen), Cannings Point (Barents Island), and Mt. Hellwald (West Spitsbergen); report on pendulum variations, precision of the observations, and deduction of values.

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5513. GANSKII, ALEKSIĖI PAVLOVICH. Die totale Sonnenfinsterniss am 8. August 1896. Über die Corona und den Zusammenhang zwischen ihrer Gestaltung und anderen Erscheinungsformen der Sonnentätigkeit. (Akademii nauk SSSR. Bulletin, mars, 1897. Sér. 5, t. 6, p. 251-70, fold. plate) *Title tr.:* The total eclipse of the sun of Aug. 8, 1896. On the corona and rela-

tion between its form and other features (prominences) of solar activity.

Based on observations made at Little Karmakula (Malyye Karmakuly) during the Russian Imperial Academy of Sciences Expedition to Novaya Zemlya, 1896. A study of details (not dealt with in other reports) which appear to be negative, but contribute to an hypothesis on the total aspect of the corona.

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5514. GANSKII, ALEKSĖI PAVLOVICH. Les travaux de l'expédition russo-suédoise pour la mesure d'un arc de méridien au Spitzberg. (Revue générale des sciences pures et appliquées, déc. 15, 1902. Année 13, p. 1117-30, 1165-76, illus., incl. sketch map) *Title tr.:* The work of the Russo-Swedish Expedition to Measure an Arc of Meridian in Spitzbergen.

A useful résumé of the expedition's activities during 1899 (in pt. 1), and 1900-1901 (in pt. 2). For the scientific results of this expedition see under: Mission scientifique pour la mesure d'un arc de méridien au Spitzberg, 1899-1901.

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GANSKII, ALEKSĖI PAVLOVICH, *see also* Kostinskii, S., & A. P. Ganskii. L'éclipse soleil Nouvelle Zemble. 1897.

5515. GANTMAN, D. S. Olenekskaia geologicheskaiia ekspeditsiia. (Problemy Arktiki, 1938, no. 3, p. 109-110) *Title tr.:* Olenek River Geological Expedition.

Short account, by the leader, of the work planned for this expedition in 1938, geological surveying, prospecting for coal, etc.

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GANTMAN, D. S., *see also* Teben'kov, V. P., & others. Geologicheskoe stroenie i ugleunosost' reki Nizhnei Tunguski. 1939.

GANTMAN, N., *see* Smolin, A., & N. Gantman. Winter use of airplanes & engines. 1942.

5516. GANZHINOV, S. IA. Meteorologicheskie nabludeniia, proizvedennye na l/p "Sadko" letom 1934 g. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetskim flagom. 1935, p. 111-22, illus., tables) *Title tr.:* Meteorological observations taken by the ice-breaker *Sadko*, summer, 1934.

Results of observations taken in Kara Sea, July 24-Sept. 21, 1934, on air pressure, temperature, cloudiness and clouds, visibility and winds.

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Discussion and tables of observations by a hydrologist of the expedition, with a map showing the ice conditions encountered.

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5518. GANZHINOV, S. IA., and I. I. L'VOV. Dreif "Sadko" v Karskom more v 1934 g. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetskim flagom. 1935, p. 27-42, tables, diags.) *Title tr.:* The drift of the *Sadko* in Kara Sea, 1934.

A description of the drift, with tables of daily observations (coordinates, winds, depths, ice conditions) as reported by the hydrologists of the expedition.

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5519. GAPANOVICH, IVAN IVANOVICH, 1891- . Kamchatka; priroda, naselenie, khoziaistvo. Vladivostok, "Knizhnoe delo", 1926. 40 p., tables, illus., map. *Title tr.:* Kamchatka; natural resources, population, economy.

Contains an outline of the geography, boundaries, area, climate, flora, fauna; native and Russian population and short ethnographical account of the Kamchadals; natural resources: fur-bearing animals, fish, minerals, etc.

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5520. GAPP, S. H. Kolerat pitsiulret, or true stories of the early days of the Moravian Mission on the Kuskokwim. Bethlehem, Pa., Pub. by the Christian Education Board of the Moravian Church in America, 1936. 108 p.

Account of the work of Rev. J. H. Kilbuck, an Indian, among the Eskimos of the Bethel, Alaska region.

Copy seen: NNStef.

5521. GAPP, S. H. Where polar ice begins, or, the Moravian Mission in Alaska. Bethlehem, Pa., Religious Education Board of the Moravian Church in America, 1928. 126 p. 16 plates.

Contains a list of the thirty-one "mission stations, out-stations, and preaching places" located on the western mainland of Alaska from the Yukon River to Nushagak, Bristol Bay; a sketch of the economic geography of Alaska, description (in more detail) of the Eskimos and their religion, and a résumé of the Moravian Mission and its methods. *Copy seen:* NNNstef.

5522. GARBER, CLARK MCKINLEY, 1891- . An extinct volcano west of Kuskokwim Bay. (Geographical review, Oct. 1933. v. 23, p. 664, sketch map)

Note, from an Alaskan school superintendent, describing his investigation of a hitherto unknown extinct volcano on the Bering Sea coast at about 60°N. 164°20'W. *Copy seen:* DLC.

5523. GARBER, CLARK MCKINLEY, 1891- . Stories and legends of the Bering Strait Eskimos. Boston, Christopher Publishing House [c1940] 260 p., 19 plates, incl. ports., 2 maps.

Contains thirty-one myths and legends of cosmogony, magic, marriage customs, adventure and prowess, murder, cannibalism, warfare, etc., collected at Wales (65°37'N. 168°05'W.) Seward Peninsula.

Copy seen: DLC; NNNstef.

5524. GARDANOV, B. A. K voprosu o kharaktere obshchestvennogo stroia u iakutov v XVII v. S. A. Tokarev. Obshchestvennyi stroi iakutov XVII-XVIII vv. (Sovetskaiia étnografiia, 1946, vyp. 2, p. 218-26) *Title tr.:* Concerning the character of the social organization among the Yakuts in the 17th century: S. A. Tokarev. Social organization of the Yakuts of the 17th and 18th centuries.

Contains a detailed critical review of this important monograph by S. A. Tokarev. *Copy seen:* DSI-M; NN.

GARDANOV, B. A., see also Tokarev, S. A. Eshche raz o kharaktere iakutov. 1947.

GARDE, THOMAS VILHELM, see GARDE, VILHELM, 1859-1926.

5525. GARDE, VILHELM, 1859-1926. Beskrivelse af expeditionen til Sydvestgrønland, 1893. (Meddelelser om Grønland, 1896. 16. hefte, p. 1-71 incl. tables, diagrs., plates I-IX (col.; incl. 4 fold. maps)) *Title tr.:* Account of the expedition to southwest Greenland, 1893.

Narrative of the expedition, led by Garde, to survey Nunarsiuat and adjacent islands west of Julianehaab and to chart a sailing route through Torsukatak Sound eastward to Julianehaab. Includes accounts of the surveying trips and of the sledge journey on the inland ice from Sermitsialik Glacier (60°55'N. 47°W.) with descriptions of the inland ice and Torsukatak Sound; also explanatory remarks to accompany the maps prepared by the author. Summary in French, p. 465-73.

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5526. GARDE, VILHELM, 1859-1926. Dansk expedition til Sydvestgrønland 1893. (Geografisk tidsskrift, 1893-94, Kjøbenhavn, 1894. Bd. 12, p. 149-60, sketch map) *Title tr.:* Danish expedition to southwest Greenland, 1893.

Account of the sledge trip on the inland ice from Sermitsialik Glacier north of Julianehaab during this expedition, with description of the inland ice.

Copy seen: DLC.

5527. GARDE, VILHELM, 1859-1926. Fra Grønland. (Geografisk tidsskrift, 1891-92, Kjøbenhavn, 1892. p. 154-57) *Title tr.:* From Greenland.

Discussions of the unusual ice conditions in Davis Strait during the summer of 1891 (with theoretical remarks on drift ice) and of the unfortunate migration of Angmagssalik Eskimos to West Greenland.

Copy seen: DLC.

5528. GARDE, VILHELM, 1859-1926, and others. Magnetiske observationer, nordlys-iaagttagelser og vandstandsmaalinger, 1883-85. (In: Østgrønlandske expedition 1883-1885. Beretninger, 1. del, 7. Pub. in: Meddelelser om Grønland, 1889. 9. hefte, p. 311-39, tables) *Title tr.:* Magnetic observations, auroral observations and tidal measurements, 1883-85.

Discussion of geomagnetic observations made during the winters 1883-84 and 1884-85 at the winter quarters near Nanortalik, south Greenland, by V. Garde; of auroral phenomena made at the same time and place as well as at the winter quarters near Angmagssalik during 1884-85 by G. Holm; and discussion of tidal observations made at Nanortalik during the winters 1883-84 and 1884-85, by C. Crone. Summary in French, p. 408-419.

Copy seen: DLC.

5529. GARDE, VILHELM, 1859-1926. The navigation of Greenland. (*In*: Greenland. Copenhagen, 1929. v. 3, p. 215-41)

Contains a brief summary of currents and ice conditions; a fuller treatment of methods of navigation in the three periods: (1) 982-1410 (discovery and first colonization); (2) 1576-1721, the period of rediscovery and consequent English, Danish and Dutch voyages of exploration and for whaling; and (3) 1721 to the present, the period of Danish colonization. Includes suggested directions for sailing in various sounds, districts and bays of Greenland.

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5530. GARDE, VILHELM, 1859-1926. Nogle bemaerkninger om isen i Davis-Straedet i foraaret 1889. (Geografisk tidsskrift, Kjøbenhavn, 1890. Bd. 10, p. 76-78) *Title tr.*: Some remarks on the ice conditions in Davis Strait during the spring of 1889.

Based on the observations and experiences of the Danish trading ship *Hvidbjørnen*; discussion of the severe ice conditions in 1889, in Davis Strait south of 67°N., due to unusual amounts of new ice.

Copy seen: DLC.

5531. GARDE, VILHELM, 1859-1926. Nogle bemaerkninger om Øst-Grønlands beboere. (Geografisk tidsskrift, Kjøbenhavn, 1888. Bd. 9, p. 93-96) *Title tr.*: Some remarks on the inhabitants of East Greenland.

Discussion of the tendency of East Greenlanders to emigrate to West Greenland and of the need for Danish missionaries in East Greenland; also remarks on the ability of East Greenlanders to learn Danish.

Copy seen: DLC.

5532. GARDE, VILHELM, 1859-1926. Observations de la declinaison faites à la Nennortalik (1883-84-85) ($\psi = 60^{\circ}7'56''$ $\lambda = 45^{\circ}16'30''$). [Copenhagen, 1894] 10 p. of tables. (International Polar Year. 1st, 1882-1883, Expédition danoise. Observations faites à Godthaab. T. 1, livr. II, 5) *Title tr.*: Observations of the declination made at Nanortalik (1883-84-85) ($60^{\circ}7'56''$ N. $45^{\circ}16'30''$ W.)

Contains results of hourly measurements of magnetic declination, Nov. 1883-Apr. 1885, during the Danish East Greenland Expedition.

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5533. GARDE, VILHELM, 1859-1926. Om isen i Davisstraedet i sommeren 1889. (Geografisk tidsskrift, Kjøbenhavn, 1890. Bd. 10, p. 138-40) *Title tr.*: On ice conditions in Davis Strait during the summer of 1889.

Discussion of the absence of drift ice in Davis Strait north of 67°N. during the spring of 1889, and its absence in all of Davis Strait during the summer and early fall of the same year; with remarks on economic implications for the West Greenland Eskimos.

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5534. GARDE, VILHELM, 1859-1926. Om østgrønlandernes rejser og deres fremtidsudsigter. (Geografisk tidsskrift, Kjøbenhavn, 1890. Bd. 10, p. 181-90) *Title tr.*: On the travels of the East Greenlanders and their outlook for the future.

Discussion of the trips of East Greenland Eskimos to trading posts in southwest Greenland and their migration to that region; with a plea for the establishment of mission and trading stations in East Greenland.

Copy seen: DLC.

5535. GARDE, VILHELM, 1859-1926. Die Verbreitung des Treibeises in den arktischen Meeren, nach den Arbeiten des Dänischen Meteorologischen Instituts. (International Geographical Congress. 7th, Berlin, 1899. Verhandlungen, 1901. Tl. 2, p. 343-47) *Title tr.*: The movement of drift ice in the arctic seas, according to data of the Danish Meteorological Institute.

Announcement of the Danish Meteorological Institute's undertaking an analysis of ice conditions in the arctic seas between America and Eurasia, and invitation for cooperation of ships' captains of all countries.

Copy seen: DLC.

5536. GARDE, VILHELM, 1859-1926. Vindkort over den nordligste del af Atlanterhavet af Davis-Straede . . . Wind charts of the northernmost part of the Atlantic and of Davis-Strait. (Denmark. Meteorologiske institut. Nautisk-meteorologisk aarbog, 1899, pub. 1900. p. xxv-xlvi, 7 fold. charts) Text in Danish and English.

Based on twenty years' (1876-95) wind observations, from Danish vessels, made (usually) every fourth of the twenty-four hours. Contains text ex-

plaining the derivation and reliability of the graphs (windroses) showing mean direction and average force, with brief discussion; also (discussion only) storm days, Apr.-Oct. on the shipping routes between Norway, Iceland, and Greenland.

Charts: Apr.-Oct. 1876-95, of ships and land station results; Nov.-Mar. land stations only, including Godthaab, West Greenland. *Copy seen:* DLC.

GARDE, VILHELM, 1859-1926, *see also* Denmark. Meteorologiske institut. Isforholdene Arktiske Have, 1900-39, 1946. 1901-1940, 1948.

GARDE, VILHELM, 1859-1926, *see also* Denmark. Meteorologiske institut. State of ice East & West Greenland. 1900.

GARDE, VILHELM, 1859-1926, *see also* Holm, G. F., & V. Garde. Beretning Konebaads-expeditionen 1883-85. 1889.

GARDE, VILHELM, 1859-1926, *see also* Holm, G. F., & V. Garde. Om de geografiske forhold dansk Østgrønland. 1889.

GARDINER, CHARLES LAWRENCE WEARE, 1849-, *see* Jonge, J. K. J. de. Nova Zembla 1596-97, Barents relics. 1877.

5537. GARDINER, HAMPDEN S. Report of . . . on the fossils collected at Cape Cracroft. (*In:* Greely, A. W. Three years of arctic service, 1886. v. 2, p. 421-23)

Notes by an amateur on Silurian fossils found in a cliff near sea line, at about 81°25'N. on the east coast of Ellesmere Island, during the Lady Franklin Bay Expedition, 1881-84.

Copy seen: DLC; NNStef.

5538. GARDNER, GÉRARD. Le Labrador hier et aujourd'hui. (Revue de l'Université d'Ottawa, 1938. v. 8, p. 220-40, 337-48) *Title tr.:* Labrador today and yesterday.

History of exploration of Labrador and northern Quebec.

Copy seen: CaO.

5539. GARDNER, GÉRARD. Liste des plantes récoltées sur la côte du Labrador, dans le détroit d'Hudson, à la baie d'Hudson, à la baie James, et dans le Manitoba nord, en 1930, 1932, 1933, 1937, 1938 et 1939. (Société botanique de France. Bulletin, juin 1946. T. 93, p.

162-200, map *Title tr.:* List of plants collected on the Labrador coast, in Hudson Strait, Hudson Bay, James Bay and northern Manitoba, in 1930-33, 1937-39.

Contains list of several hundred plants collected on the coasts and islands of Labrador, Hudson Strait, Hudson and James Bay and in northern Manitoba in 1930, 1932, 1933, 1937, 1938, and 1939, excepting the freshwater algae (to be published in a separate list), and including (with some revision), those published by the author in Société botanique de France, Bulletin, t. 84, 8 janvier 1937. The list gives names of species with number, location and date of specimens taken.

Copy seen: DLC; NNStef.

5540. GARDNER, GÉRARD. La question indigène dans l'Ungava et le Labrador. (Actualité-économique, 1949. Année 24, p. 677-90) *Title tr.:* The question of the natives in Ungava and Labrador.

Discussion of the influence which the white people have had on the Indians and Eskimos; the changes wrought in their means of obtaining food and a livelihood; the part played by the Moravian, Anglican and Catholic missions and by the Hudson's Bay Co., with a strong plea for a wise plan for rehabilitating and preserving the native peoples.

Copy seen: CaMAL.

5541. GARDNER, GÉRARD. La région de la baie James. (Actualité économique, juillet 1946. Année 22, p. 220-60, sketch map) *Title tr.:* The James Bay region.

A regional study of the history, and physical and economic geography, including the situation, rivers, coasts, natural and mineral resources, climate, economic development, and railroads, with special mention of Moose Factory as the most important post on the Bay.

Copy seen: CaMAL.

5542. GARDNER, GÉRARD. Via Churchill. (Revue moderne, oct. 1934. Année 15, no. 12, p. 5, illus.) *Title tr.:* The Churchill route.

Brief sketch of the history of the Hudson Bay Route, and notes on the port of Churchill. *Copy seen:* CaO.

5543. GARDNER, GÉRARD, and BRIAN E. WILMOT. Exploring in Labrador and Hudson Bay. Ottawa, 1943. 71 p., map. (Revue de l'Université d'Ot-

tawa, Jan.-Mar., July-Sept. 1943. v. 13, p. 78-117, 338-67)

Narrative of a sea trip by Rev. A. Dutilly, O.M.I. and others, from Halifax, Nova Scotia, to Moosonee, James Bay, in summer 1939, to make botanical investigations and collections along the coast of Labrador, Ungava Peninsula, the eastern coast of Hudson and James Bays and offshore islands. Includes a brief note on the new motor-vessel *Nouveau Québec*; day-to-day comment on the progress of the party, July 15-Sept. 30, 1939, and sailing conditions; historical and descriptive remarks on the country and islands visited, the vegetation, harbors, settlements, etc. **Copy seen:** CaO; CaMAI.

5544. GARDNER, MARSHALL BLUTCHER, 1854-. A journey to the earth's interior, or, have the Poles really been discovered. Aurora, Ill., Pub. by the Author, 1913. 2 p. l., 7-69 p. 9 plates (1 part.)

Statement of the author's theory of the formation of the earth from distinct nebulae and the hollow earth theory; with brief reference to Peary, Nansen, the mammoths, magnetic declination and other phenomena in support of his theory.

Copy seen: DLC; NNStef.

5545. GARDNER, MARSHALL BLUTCHER, 1854-. A journey to the earth's interior, or, have the Poles really been discovered. Rev. and enl. Aurora, Ill., Pub. by the Author, 1920. 456 p. 12 plates (part ed., 1 port.)

Another edition, much expanded since 1913, with chapters on arctic exploration, the mammoth, life in the Arctic, auroras, Eskimo origin, and full discussion of the hollow earth theory; and a bibliography (58 items).

Copy seen: DLC; NNStef.

GARDNER, W. W., *see* U. S. Congress. Senate. Committee on Interstate & Foreign Commerce. Leasing salmon trap sites. 1947.

5546. GARFIELD, CHARLES DARWIN, 1867-. Furs for the ladies. (Alaska life, Oct. 1938. v. 1, no. 9, p. 14-15, 24-26, illus.)

General information on early history and modern development of the fur industry in Alaska, culminating in the recent establishment of fur farming research under government sponsorship.

Copy seen: DLC.

5547. GARFIELD, Mrs. VIOLA E., 1899-. Tsimshian clan and society. (Washington, State. University. Publications in anthropology, Feb. 1939. v. 7, no. 3, p. 1, p. 169-339, front., 3 plates, 2 fold. maps)

A study based upon field work at Port Simpson, British Columbia, in the summers of 1932, 35, and 37. Includes brief notes on the Tsimshians of Metlakatla, Alaska.

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GARKIN, E. A., *see* Vize, V. I. U. Tri goda na ostrove Begicheva. 1940.

5548. GARLINGTON, ERNEST ALBERT, 1853-1934. Report on Lady Franklin Bay Expedition of 1883. Washington City, Signal Office, 1883. 52 p. fold. map. (U. S. Army. Signal Corps. Signal Service Notes, no. 10)

Official account of the Greely Relief Expedition, June-Sept. 1883, during which the *Proteus* was lost in Smith Sound. Includes the itinerary, lists of stores left near Cape Sabine, and detailed account of the struggle in the ice of Smith Sound.

Copy seen: DLC; NNStef.

GARRI, A., *see* Iakovlev, A. S. Zapiski e neobyknovennom. 1929.

5549. GARSON, JOHN GEORGE. On the physical characteristics of the Lapps. (Royal Anthropological Institute of Great Britain and Ireland. Journal, Nov. 1885, v. 15, p. 235-38, table)

Description of five adult Lapps (three males and two females) of a group visiting London. Includes table of measurements of the individuals.

Copy seen: DLC.

GARSTANG, WALTER, *see* Hardy, A. C., & others. Arctic plankton *Nautilus* Exped. 1931. 1936.

GARTMAN, A. N., *see* Bruevich, S. V., & others. Soderzhanie ioda v vodorosliakh Belogo moria. 1933.

5550. GARWOOD, EDMUND JOHNSTON, 1864-1949. Across Spitzbergen with Sir Martin Conway, with an account of the ascent of Hornsund Tind. (Alpine journal, May 1897. v. 18, p. 363-84, fold. plate)

Account of the five-man expedition, in summer 1896, with detailed notes on the author's ascents of Mt. Starashchin (at Cape Starostin) and Mt. Hedgehog (Hornsund Tind).

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5551. GARWOOD, EDMUND JOHN-STON, 1864-1949. Additional notes on the glacial phenomena of Spitsbergen. (Geological Society of London. Quarterly journal, Aug. 1899. v. 55, p. 681-691, 8 plates, fold. map)

Results of an expedition in the company of Sir Martin Conway, 1897, into the interior, north of Ice Fiord, and in the mountains near Horn Sound. Contains descriptions of the ice-sheet, its surface phenomena, drainage, and rate of movement; notes on the action of sea-ice upon rocks southwest of Coal Haven in King's Bay, and rock-sculpturing above the snow-line.

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5552. GARWOOD, EDMUND JOHN-STON, 1864-1949, and J. W. GREGORY. Contributions to the glacial geology of Spitsbergen. (Geological Society of London. Quarterly journal, May 1898. v. 54, p. 197-227, 7 plates)

Results of observations made in 1896 (during the Spitsbergen expedition of Sir Martin Conway) on the valley glaciers lying east of Ice Fiord. Contains discussion of glaciers and their action, the deposits of glaciers, marine ice and its action, traces of former glaciation; and some general conclusions which include remarks on land-ice versus sea-ice, transmarine passage of glaciers, uphill flow, uplift of material and land-ice, flow of glaciers, erosion, transport of materials, etc. Includes bibliographic footnotes.

Copy seen: DGS.

GARWOOD, EDMUND JOHNSTON, 1864-1949, *see also* Conway, W. M. C. Exploration 1897 Spitsbergen. 1898.

GARWOOD, EDMUND JOHNSTON, 1864-1949, *see also* Conway, W. M. C. First crossing Spitsbergen. 1897.

GASCHE, CHARLES, *see* Robinson, H. M. Great fur land. 1879.

5553. GASSER, GEORGE WILLIAM, 1875- . Agriculture in Alaska. (Arctic, 1948. v. 1, p. 74-83, incl. front.)

Brief sketch of the work of experimental stations, the effect of permanent frost on crop growth, the various agricultural regions of Alaska, livestock production and diversified farming.

Copy seen: DLC.

5554. GASSER, GEORGE WILLIAM, 1875- . Farming soils. (Alaska life, Aug. 1943. v. 6, no. 8, p. 42-44, illus.)

Discussion in general of components of good soil, Alaska soils, and research work done on them.

Copy seen: DLC.

5555. GASSER, GEORGE WILLIAM, 1875- . Grass—our unsung resource. (Alaska life, Sept. 1948. v. 11, no. 9, p. 10-11, illus.)

Analysis of Alaska's resources of beef-producing grass, written by Alaska's Commissioner of Agriculture.

Copy seen: DLC.

5556. GASSER, GEORGE WILLIAM, 1875- . Livestock in Alaska. Juneau, 1946. 15 p. (Alaska. Development Board. Alaska agriculture. Circular no. 4)

Information on the present status conditions and possibilities for raising livestock in southeastern, southwestern Alaska and the Aleutians, the interior, and south-central Alaska.

Copy seen: DA.

5557. GASSER, GEORGE WILLIAM, 1875- . The Matanuska Valley. Juneau, 1946. 24 p. (Alaska. Development Board. Alaska agriculture. Circular no. 3)

Notes on geography, climate, soil, vegetation, land-clearing, field and garden crops, livestock, markets, fuel, weeds, etc., and on how farms may be acquired.

Copy seen: DA.

5558. GASSER, GEORGE WILLIAM, 1875- . The Tanana Valley. Juneau, 1946. 29 p. fold. map. (Alaska. Development Board. Alaska agriculture. Circular no. 2)

Information, for the prospective settler, on topography, soil, climate, land clearing, field and garden crops, livestock, markets, roads, homesteading, education and recreation. *Map:* Road map, with trails, and mileage tables.

Copy seen: DA.

GASSER, GEORGE WILLIAM, 1875- , *see also* Aamodt, O. S., & G. W. Gasser. Grasslands in Alaska. 1948.

GASSER, GEORGE WILLIAM, 1875- , *see also* Georgeson, C. C., & G. W. Gasser. Cereal growing Alaska. 1926.

5559. GASOVSKII, G. N. K faune infuzorii Kol'skogo zaliva i ego okrestnostei. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1915. T. 45, vyp. 5, p. 137-215, illus.) *Title tr.:*

On the Infusoria of Kola Bay and vicinity.

Contains the results of the study of these protozoans of Kola Bay and vicinity, carried out by the author in 1915; with a list of eighty-four marine species and forty species from fresh-water basins (two species and one variety new), also an enumeration with critical notes, and data on habitat and general distribution; bibliography (47 items). Summary in French.

Copy seen: DLC.

5560. GASOVSKII, G. N. Okhotnichii promysel basseina reki Anadyria i ego rekonstruktsiia. Leningrad, Izd-vo Glavsevmorputi, 1939. 86, [2] p., illus., fold. maps, diags. (Leningrad. Nauchno-issledovatel'skii institut polarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo", vyp. 4) Title tr.: Hunting industry in the basin of the Anadyr River and its reconstruction.

A study of industry made in the region by the author in 1932-33, containing data on the production of furs in the various sections, on the hunting equipment available, methods used by hunters and trappers, and some discussion of measures to be taken for improving the efficiency of the trade. Bibliography, p. 88-87.

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5561. GAST, PAUL F., and D. H. LOUGHRIDGE. Cosmic rays in the Bering Sea. (Physical review, May 1, 1941. v. 59, p. 769-70, diags.)

Based on measurements carried out aboard U. S. Coast Guard cutter *Itasca*, July 26-Oct. 10, 1940, in Bering Sea and along the Alaskan coast to Point Barrow. Results show "that the drop at the high latitude end of the intensity vs. latitude curve previously obtained by the authors is not the beginning of a downward trend but a purely local phenomenon due, evidently, to 'horizon effect'." Secondly the investigation of the latitude effect has been carried to higher magnetic latitudes (68°22'N.) than have previously been reached and the intensity found to be independent of latitude up to this point."

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5562. GAST, PAUL F., and D. H. LOUGHRIDGE. Latitude effect of cosmic rays above 50°N. latitude. (Physical review, Jan. 15, 1941. v. 59, p. 127-29, diags.)

A continuously operating, ionization type meter, mounted on the Northland Transportation Company's motor-ship *Northland* recorded cosmic ray intensities during round trips between Seattle and Juneau, Alaska, fortnightly (on the average), Feb. 1939-May 1940.

Copy seen: DLC.

GAST, PAUL F., see also Loughridge, D. H., & P. F. Gast. Further investigations air mass effect on cosmic ray. 1940.

5563. GATES, GEORGE OSCAR, 1905-. Part of the Herendeen Bay coal field, Alaska. Washington, 1944. 5 p. (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Notes on character of the coal, geology, and development of this field, at about 55°48'N. 160°32'W., based on an examination in Oct. 1943, and on earlier studies.

Copy seen: DGS.

5564. [GATES, GEORGE OSCAR, 1905-, and C. A. WAHRHAFTIG] Zinc deposits of the Mount Eielson district, Alaska. Washington, [1944?] 7 p. 4 maps (3 fold.) 2 diags. (1 fold.) (U. S. Geological Survey, Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Notes on geology, rocks, structure, and mineralization of the district, (63°17'-28'N. 150°09'-31'W.), and description of the ore deposits and reserves along the north side of Mt. Eielson, Mt. McKinley National Park, based on an examination made in summer 1943.

Copy seen: DGS.

GATES, GEORGE OSCAR, 1905-, see also Reed, J. C., & G. O. Gates. Nickel-copper deposit Snipe B. 1942.

GATES, GEORGE OSCAR, 1905-, see also Twenhofel, W. S., & others. Some mineral investigations SE. Alaska. 1949.

5565. GATES, REGINALD RUGGLES, 1882-. Blood groups of Canadian Indians and Eskimos (American journal of physical anthropology. 1929. v. 12, p. 475-85)

Results (with some comparative discussion) of tests on members of four Athapaskan tribes in the Mackenzie River basin, and on Eskimos in the Mackenzie delta region, made during

the author's trip down the Mackenzie, in the summer of 1928.

Copy seen: DLC.

5566. GATES, REGINALD RUGGLES, 1882- . Eskimo blood groups and physiognomy. (Man; a monthly record of anthropological science, Mar. 1935. v. 35, p. 33-34, plate)

Gives and discusses the results of blood-group testing of eleven Baffinland Eskimos. Pictures are given of six of the individuals tested.

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5567. GATES, REGINALD RUGGLES, 1882- . Notes on the tundra of Russian Lapland. (Journal of ecology, 1928. v. 16, no. 1, p. 150-60, 2 plates)

Contains an ecological survey of the vegetation in the region of the plant breeding station at Khibiny, Kola Peninsula, made by the author on his trip there in Aug. 1928; and a systematic list of plants observed.

Copy seen: NNBG.

5568. GATES, REGINALD RUGGLES, 1882- . [Tundra vegetation of Russian Lapland]. (Journal of botany, 1927. v. 65, p. 93-94)

Contains résumé of a report, without formal title, on observations of tundra vegetation, made by the author while on a visit to the plant breeding station at Khibiny in Russian Lapland (67° 44' N.) Includes a general survey of geography and vegetation with notes on typical plants.

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5569. GATHORNE-HARDY, GEOFFREY MALCOLM, 1878- . A recent journey to northern Labrador. (Geographical journal, Mar. 1922. v. 59, p. 153-69, 4 plates, sketch map)

A paper read before the Royal Geographical Society, based on a summer visit in 1921. Describes in general terms the coastal features, social conditions, evidences of early glaciation, and the declining Eskimo population; detailed discussion of the archeological remains (dwellings and implements) studied by the author, and Eskimo lore concerning the Tunnit, who dwell in the arctic islands and whose culture differed apparently from that of the Labrador Eskimos.

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GATHORNE-HARDY, GEOFFREY MALCOLM, 1878- . *see also* Prichard, H. V. H. Through trackless Labrador. 1911.

5570. GATIEV, I. D. Geologiya i poleznye iskopaemye basseina reki Chevtun i privilegushchikh raionov (Chukotskii poluoostrov). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 131, p. 49-164, illus., 2 fold. maps) *Title tr.:* Geology and mineral resources of the Chevtun River basin and the adjoining regions (Chukotsk Peninsula).

A study based on the author's field work during the First Chukotsk Geological Expedition of the Arctic Institute, U.S.S.R., in 1935-36, and laboratory analyses of the material collected. Discussion of the literature and an attempt to give a more differentiated analysis of the Paleozoic of the north-eastern section of the peninsula; stratigraphy, p. 52-63, and paleogeography, p. 68-71, of the region. Petrographic sketch (igneous intrusive and effusive rocks, metamorphic rocks, p. 71-135; tectonics, p. 135-40; mineral resources (mostly metalliferous rocks, bearing zinc, lead, copper, tin, silver, fluorite, etc., p. 140-63. Bibliography (26 items).

Geological map, scale 1:225,000, at the end of the volume; also map showing fluorite deposits, scale 1:50,000, p. 161. Tabulated results of chemical analyses carried out by the laboratory of the Arctic Institute, U.S.S.R. (p. 82, 94, 101, etc.) and mineralogical analyses of ore from several localities, p. 152-54.

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5571. GATTY, OLIVER, 1907- . Report on the geophysical seismograph. The Oxford University Expedition to Spitsbergen, 1933. Appendix 2. (Geographical journal, Aug. 1934. v. 84, p. 121-22)

Preliminary statement of the scientific work done by the expedition, reporting on tests of the instrument for ice soundings, and suggestions for its improvement for use on sledging expeditions or in a hut.

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5572. GATTY, OLIVER, 1907- . *and others.* Some types of polygonal surface markings in Spitsbergen. (American journal of science, Feb. 1942. v. 240, p. 81-92) *Other authors:* W. L. S. Fleming and J. M. Edmonds.

Results of the Oxford University Arctic Expedition, 1933. "Surface and subsurface measurements of polygons are given together with descriptions of

features that throw new light on their origin in these regions."

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GATTY, OLIVER, 1907- , *see also* Fleming, W. L. S., & O. Gatty. *Geology* (etc.) D. Surface markings, Spitsbergen 1933. 1934.

5573. GATTY, VICTOR H. Ice Fiord, Spitsbergen. (*Alpine journal*, 1894-95, pub. 1895, v. 17, p. 309-316, 2 plates) Account of an ascent of Mt. Marmier, on the south shore of Sassen Bay.

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5574. GATTY, VICTOR H. A Spitzbergen glacier expedition. (*Alpine journal*, Nov. 1897, v. 18, p. 501-506)

Account of an ascent of a glacier and peak on the west side of Recherche Bay, in Bell Sound, Aug. 1897. (The author calls them Fox Glacier and Mount Fox, names in conflict with official names for features in the Advent Bay area to the north.)

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GAULE, K., *see* Quervain, A. de, & others. *Gemeinsame Beobachtungen Westküste, Grönland-exped.* 1912-13. 1920.

5575. GAULT, HUGH RICHARD, 1915- , and others. *Geology and mineral deposits of Glacier Basin and vicinity, Wrangell district, southeastern Alaska.* Washington, 1944. 12 p. 5 maps (2 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed. Other authors: D. L. Rossman and G. M. Flint, Jr.

Notes on topography and general geology of a basin lying about thirteen miles east of Wrangell (roughly 56°25' N. 131°50'W.), description of ore beds of "dark green to gray-green, medium grained pyroxene granulite . . . which is partially replaced by sphalerite, galena, and pyrrhotite or by magnetite".

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5576. GAULT, HUGH RICHARD, 1915- . Zinc deposits of Groundhog Basin, Wrangell district, southeastern Alaska. Washington, 1944. 15 p. 5 maps (4 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Notes on accessibility and claims, description of the geology, ore beds, and the reserves, based on a U. S. Geological Survey investigation in 1942 and

on subsequent examination in 1942-43 by Ventures Limited, in this basin thirteen miles east of Wrangell (roughly 56°25'N. 132°W.).

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5577. GAULT, HUGH RICHARD, 1915- , and G. M. FLINT, Jr. Lead-zinc deposits at the Lake claims, Wrangell district, southeastern Alaska. Washington, 1944. 6 p. 3 maps (2 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Description of coarsely crystalline galena, coarse galena and sphalerite in a matrix of quartz and sphalerite and galena in small fractures, occurring roughly at 56°25'N. 132°05'W., with notes on accessibility, the tonnage and grade of reserves; based on a survey made in Sept. 1943.

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GAULT, HUGH RICHARD, 1915- , *see also* Twenhofel, W. S., & others. *Molybdenite investigations in southeast Alaska.* 1946.

5578. GAUTIER, JEAN ALFRED. Notice sur deux années d'observations thermométriques faites à Rama, sur la côte du Labrador. (*Archives des sciences physiques et naturelles*, 1877. Nouvelle période, T. 60, p. 392-96) *Title tr.:* Note on two years' temperature observations made at Rama, on the Labrador coast.

Contains discussion of results from Moravian missionaries' observations at Ramah (58°52'N. 63°14'W.), and tables of monthly mean and extreme air temperatures, Aug. 1874-July 1876.

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5579. GAUTIER, JEAN ALFRED. Notice sur les observations météorologiques faites sur la côte du Labrador par des missionnaires Moraves. (*Archives des sciences physiques et naturelles*, 1870-76. Nouvelle période, T. 38, p. 132-46; T. 55, p. 39-54) *Title tr.:* Notes on meteorological observations made on the Labrador coast by the Moravian missionaries.

Contains a brief résumé of instrumentation and locations of Moravian stations, tables of monthly mean and extreme temperatures Sept. 1867-July 1874 at Hopedale; Sept. 1867-Aug. 1870 at Hebron; Sept. 1870-Aug. 1871

at Zoar; and July 1872–June 1874 at Ramah; with remarks on auroras, pressure, winds and clouds.

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GAVELIN, AXEL, see Lundqvist, M. Norrland. 1942.

5580. GAVIN, ANGUS. Birds of Perry River district, Northwest Territories. (Wilson bulletin, Dec. 1947. v. 59, p. 195–203, 2 sketch maps)

Notes made at a Hudson's Bay Co. post (67°48'N. 102°10'W.), Apr. 1937–July 1941 on forty species observed.

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5581. GAVIN, ANGUS. Notes on mammals observed in the Perry River district, Queen Maud Sea. (Journal of mammalogy, Aug. 1945. v. 26, p. 226–30)

Observations of a Hudson's Bay Co. post manager, Apr. 1937–July 1941. at Perry River post (67°48'N. 102°10'W.). Includes notes on the physical features of the environment and an annotated list of sixteen mammals (including two seals), with Eskimo names.

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5582. GAVRILOV, V. T. Vulkany Kronotskogo zapovednika. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1944. T. 76, vyp. 5, p. 241–49, illus., map) *Title tr.:* Volcanoes of the Kronots Preserve.

A description of the volcanoes in the Kronots natural park, an area about 3,200,000 acres in Kamchatka Peninsula.

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5583. GAZE, OL'GA FEDOROVNA, 1898– K razvitiu napochvennogo pokrova v Khibinskikh tundrakh. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Ser. 2, Sporovye rasteniia, 1936. Vyp. 3, p. 479–504, diagr.) *Title tr.:* On development of the vegetative cover of Khibiny tundra.

Contains an ecological study of various plant associations (mosses, lichens, low shrubs) with tabulated data, a list of seventy-three species of mosses and thirty-two species of lichens, and a bibliography (20 items). Summary in German.

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5584. GAZE, OL'GA FEDOROVNA, 1898– Spisok sfagnovykh mkhov, so-brannykh B. N. Gorodkovym v zapa-

dnoi Sibiri i B. N. Gorodkovym i V. B. Sochava na Poliarnom Urale. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1930. Vyp. 22, p. 207–213) *Title tr.:* A list of sphagnum mosses collected by B. N. Gorodkov in western Siberia, and by B. N. Gorodkov and V. B. Sochava in the Polar Urals.

Contains a list of twenty-four species of sphagnum mosses collected by B. N. Gorodkov and V. B. Sochava in the basin of Ob' River and in Polar Ural Mts. in 1923–24 and 1926; includes detailed data on habitat and local distribution.

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GAZE, OL'GA FEDOROVNA, 1898– see also Korchagin, A. A., & others. Predvaritel'nyi otchet botanicheskikh issled. Kibinskikh tundr. 1932.

5585. GEBEL', GERMAN FEODOROVICH. Materialy po ornitologii Laplandii i Solovetskikh ostrovov. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1903. T. 33, vyp. 2, p. 97–137) *Title tr.:* Materials on ornithology of Lapland and Solovetskiye Islands.

Contains a review of all birds known from Kola Peninsula and adjoining regions of Finnish Lapland (Enari) and Norway (Varanger); with data on the places and time of finding the birds, eggs and fledgelings, also notes on the vegetative zones inhabited by the birds. Includes a tabulated list of one hundred ninety-eight species and another list with data on nesting of the birds of this region for the years 1879, 1884, 1889 and 1900. Summary in German.

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5586. GEDROITS, N. A. Karta perspektiv neftenosnosti Aziatskoi chasti SSSR (bez srednei Azii). (Leningrad. Neftianoi geologo-razvedochnyi institut. Trudy, Novaia seriia, 1939. No. 3, p. 1–32) *Title tr.:* Map of prospects of oil in the Asiatic part of the U.S.S.R. (without Central Asia).

Localities listed by categories indicating great, small, or no likelihood of finding oil there.

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5587. GEDROITS, N. A. Perspektivy neftenosnosti severa Sibiri. (Nedra Arktiki, 1946. No. 1, p. 9–14) *Title tr.:* The outlook for finding oil in north Siberia.

Summary of information from the Geological Department of the Main Administration of the Northern Sea Route U.S.S.R.

"The presence of oil in the Nordvik-Khatanga and Ust-Yeniseisk districts in the Taimyr depression, north Siberia, indicates that the whole basin may be a potential oil field. The Cambrian zone bordering the Anabar crystalline massif in the eastern part of the north-central Siberian platform is another potential field. The oil possibilities of the northern part of the west Siberian lowlands are unknown. Conditions similar to the Taimyr basin and the eastern slope of the Urals probably maintain in the region, but Hercynian (Paleozoic) folding may have destroyed potential reservoirs."—Geological Society of America. Bibliography and index of geology. Summary in English.

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5588. GEDROITS, N. A. O vozraste ugleosnoi tolshchi i nekotorykh drugikh voprosakh geologii Ust'-Einseiskogo porta. (Problemy Arktiki, 1939, no. 4, p. 38-47, table) *Title tr.:* On the age of the coal-bearing strata and some other questions on the geology of Ust'-Yeniseyskiy Port.

Geological sketch of the region (69°37' N. 84°20'E.) based on the review of literature.

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5589. GEDROITS, N. A. Ust'-Eniseiskii port i perspektivy ego neftenosnosti. (Problemy Arktiki, 1940, no. 3, p. 110-23) *Title tr.:* Ust'-Yeniseyskiy Port and the prospects of its oil-bearing capacity.

Geological outline of area and analysis of oil-bearing character.

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5590. GEELMUYDEN, HANS, 1844-1920. Astronomical observations, arranged and reduced under the supervision of H. Geelmuyden. [Christiania, etc., J. Dybwad, 1901] lx, 136 p. illus., 2 fold. charts, tables. (Nansen, Fridtjof, ed. Norwegian North Polar expedition 1893-1896. Scientific results. v. 2, no. 6)

Observations taken by Capt. Sigurd Scott-Hansen, during the voyage of the *Fram*, and by Nansen during his sledge trip. *Maps:* two charts showing the track of ship and sledge journey, and for some places, the magnetic declination.

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5591. GEELMUYDEN, HANS, 1844-1920, editor. Astronomy; observations arranged and reduced under the supervision of H. Geelmuyden. ("Gjøa" Expedition. The scientific results of the Norwegian arctic expedition in the *Gjøa*, 1903-1906. Pt. 1, no. 2. *Pub. in:* Geofysiske publikasjoner, 1932. v. 6, p. 21-27)

Observations for geographical positions, made at Gjøa Haven (King William Island), at King Point on the Yukon coast and on "Haakon VII Coast" (i.e. eastern coast of Victoria Island) in the Canadian Arctic.

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GEELMUYDEN, HANS, 1844-1920, *see also* Lous, K. Determination of longitude by azimuth of moon. 1928.

GEELMUYDEN, NIELS CHRISTIAN, 1706-1770, *see* Birket-Smith, K. Overkjømand N. C. Geelmuydens beskrivelse. 1932-33.

GEELMUYDEN, NIELS CHRISTIAN, 1706-1770, *see also* Ostermann, H. B. S. Dagbøger av nordmenn på Grønland før 1814. 1935.

5592. GEER, M. R., and H. F. YANCEY. Coal washing in Washington, Oregon and Alaska. (American Institute of Mining and Metallurgical Engineers. Transactions, 1949. v. 184, p. 200-204, *pub. in* Mining engineering, v. 1, no. 6)

Includes discussion of Matanuska valley coal, with data on its specific gravity analyses, ash content and efficiency by particle size.

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5593. GEIDENREIKH, L. K. voprosu ob uluchshenii porody severnogo oleniā. (Sovetskii Sever, 1935, no. 1, p. 68-73) *Title tr.:* Improvement of the breed of northern reindeer.

Discussion of cross-breeding and selection of tundra reindeer based on a review of the literature by workers in the field.

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5594. GEIDENREIKH, L. Kaninskie samoedy. (Sovetskii Sever, 1930, no. 4, p. 24-38; no. 5, p. 58-83) *Title tr.:* The Kain Samoyeds.

In no. 4, a sketch of Samoyed history, beliefs, customs, folklore, art, dwellings, clothes, food, temper, and family life. In no. 5, description of economic conditions among the natives of

the Kanin tundra; data on reindeer breeding, the fur industry, fishing, sealing, handicraft; budgets of a large and small Samoyed household; class differentiation; relations with the Russian population. *Copy seen:* DLC.

5595. GEIDENREIKH, V. Olenevodcheskii sovkhoz. (Sovetskii Sever, 1930, no. 9-12, p. 108-130, illus., map) *Title tr.:* The state reindeer range.

Experience from the first state reindeer ranges, established in the tundra regions of European U.S.S.R., especially Bol'shezemel'skaya, Malozemel'skaya Tundras, in Kanin Peninsula, the Timan plateau, etc.

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5596. GEIJER, PER ADOLF, 1886- . Studies on the geology of the iron ores of Lappland. (Geologiska föreningen, Stockholm. Förhandlingar, 1912. Bd. 34, p. 727-89, illus.)

Contains discussion of the geology of the Ekströmsberg ore field (about 30 km. west of Kiruna); new data on magnetite-syenite-porphry pebbles occurring in the Kiirunavaara conglomerate in the Kiruna region; eruptive structures in the apatite-magnetite rocks of northern Sweden and the origin of the iron ores. Summary in Swedish. *Copy seen:* DLC.

5597. GEIMAN, L. Samolet na sluzhbe industrializatsii Sakhalina. (*In:* Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 216-22, map) *Title tr.:* The role of aviation in the industrialization of Sakhalin.

Discussion of the necessity for organizing a permanent air service on Sakhalin, which is cut off from the continent most of the year; account of the first airline to and on Sakhalin, established in 1930, with sketch map of air routes of the Russian part of Sakhalin. *Copy seen:* DLC.

5598. GEINEMAN, P. Ocherk rybolovstva na Kamchatke. (U.S.S.R. Department zemledeliia. Materialy k poznaniu russkago rybolovstva, 1912. T. 1, p. 73-98, 5 plates) *Title tr.:* Survey of fishing in Kamchatka.

Contains an account of the fishing industry in Kamchatka after the Russo-Japanese war 1904-05, when Japanese competition pressed the Russians to find new methods; shows main species of fishes in Kamchatka rivers, fishing

and processing methods; economic conditions among Russians, Kamchadals, and Koryaks of the region.

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5599. GEINTS, E. A. Ukazatel' statei po meteorologii i zemnomu magnetizmu, napechatannykh v izdaniakh Imperatorskoi Akademii nauk i Nikolaevskoi glavnoi fizicheskoi observatorii c 1894 po 1900 g. vkluch. St.-Petersbourg, 1901. 4 p. l., 39 p. (Akademiia nauk SSSR. Mémoires. Sér. 8, vol. 11, no. 8) *Title tr.:* Guide to articles on meteorology and terrestrial magnetism, printed in publications of the Imperial Academy of Sciences and the Nicholas Central Physical Observatory from 1894 to 1900 inclusive.

Bibliography of the publications in meteorology, terrestrial magnetism and related fields, by the Academy of Sciences and the Central Geophysical Observatory of Russia 1894-1900; with alphabetical list of authors and their works.

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5600. GEIST, OTTO WILLIAM, 1888- . Habits of the ground squirrel *Citellus tyratus* on St. Lawrence Island, Alaska. (Journal of mammalogy, Nov. 1933. v. 14, p. 306-308)

Notes on the behavior, food, and nesting, of squirrels, observed during an archeological trip, 1932.

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5601. GEIST, OTTO WILLIAM, 1888- . Sea birds found far inland in Alaska. (Condor, Mar. 1939. v. 41, p. 68-70)

Discussion of storms and the birds they blow inland or kill at sea.

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5602. GEIST, OTTO WILLIAM, 1888- . The spy in the igloo. (Alaska sportsman, Dec. 1937. v. 3, no. 12, p. 8-9, 22, illus.)

Account of St. Lawrence Island Eskimos' beliefs in connection with whale-hunting ceremonies, clan customs and regard for the aged, as observed by the author, a University of Alaska archeologist who lived among them.

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5603. GEIST, OTTO WILLIAM, 1888- , and F. G. RAINEY. Archaeological excavation at Kukulik, St. Lawrence Island, Alaska; preliminary report by Otto William Geist and Froelich G. Rainey — prepared under the direction of the Commissioner of Indian Af-

fairs in cooperation with the University of Alaska. Published by special permission of the Secretary of the Interior. Washington, D. C., U. S. Govt. Print. Off., 1936 [i.e. Apr., 1937]

9 l., 391 p. incl. illus., plates. front. (Alaska. University., Miscellaneous publications, v. 2) Public Works Administration Project no. 417.

Contains a description of the archaeological research, 1926-35, led by Geist, on St. Lawrence Island under auspices of the Alaska College and of its President, Charles Bunnell, 1927-33, and particularly the excavation of "the largest mound of the Bering Sea area", at Kukulik, a village site on the north side of the island, under joint auspices of the U. S. Dept. of the Interior and Alaska College (now University of Alaska) in 1934-35. Includes general description of St. Lawrence Island, physical geography and native Eskimo life and culture; summary of previous archeologic and ethnologic research on the island; notes on reindeer on the island; description of the main excavation work, including notes on rate of thawing of the ground and on the remains of houses, meat caches, and burials.

Description, analysis, and classification, by Froelich Rainey, of the collection of about fifty thousand artifacts found at the site, mostly bone, ivory, and wood, but some baleen, pottery, stone, skin, and modern trade items. Emphasis was placed upon the relations of stratigraphic horizons, in which the following culture phases, all Eskimoid, were noted, from top to bottom: Modern, Recent, Prehistoric, Thule, Punuk, Birnirk, Old Bering Sea. Bibliography of authors cited, p. 234-35.

Appendixes include: I (p. 327-28). Geist, Otto William. Punuk Island group, Bering Sea, Alaska. (Contains notes on "fossil" ivory caches on the Punuk Islands off the east end of St. Lawrence Island.)

II (p. 331-34). Snodgrass, Roland. Notes on geography and geology of western St. Lawrence Island, Alaska.

III (p. 337-46). Murie, Olaus J. Notes on the mammals of St. Lawrence Island, Alaska. (Contains notes based upon skulls and skins found in the excavations, including numerous polar bear skulls).

IV (p. 349-57). Murie, Olaus J. Dog skulls from St. Lawrence Island, Alaska. (Includes notes on Siberian dogs still living on the islands, as well as on the nine hundred skulls found in the excavations).

V (p. 361-76). Murie, Olaus J. The birds of St. Lawrence Island, Alaska. (Contains a list and habitat description of 63 species of living birds, and lists 27 additional species reported by earlier authors. Describes methods of bird catching in use today. Bibliography, p. 376).

VI (p. 379-86). Boekelman, H. F. Report on the molluscs excavated on St. Lawrence Island, Alaska.

VII (p. 389-91). Hopkins, Paul. Analyses of mineralogical and geological specimens. (Includes analyses of some paint, stone, artifacts, and samples of island coal deposits and water).

Maps include (1) location map, northern part of Bering Sea; (2) St. Lawrence Island, scale 1:1,000,000; (3) and (4) Cape Chibukak, scale 1:10,000 and 1:3,600; (5) plan of trench, scale 1:240; (6) Kukulik site, scale 1:2,400; (7) northeast beach slope, scale 1:1,200; (8) Punuk Island group, scale 1:12,000.

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GEIST, OTTO WILLIAM, 1888- , see also Rainey, F. G. Eskimo chronology. 1936.

GEKKER, N. L., see Maïnov, I. I. Īakuty. 1902.

GEKKER, N. L., see also Maïnov, I. I. Litševoi ugol Īakutov. 1904.

5604. GEKKER, R. F. Geologicheskii ocherk Īakutskoi respublikii. (In: Īakutiā, 1927, p. 91-129, illus., ports.) Title tr.: Geological sketch of the Yakut Republic.

A description of various geologic strata and brief information on fossils found in the region. Bibliography, p. 124-29.

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5605. GELDART, HERBERT D. Notes on plants collected by Captain Markham, R. N., at Fort Churchill, Hudson's Bay, and West Digges Island, Hudson's Straits, in July and August, 1886. (Norfolk and Norwich Naturalists' Society. Transactions, 1887. v. 4, p. 354-66)

Based on collections made by A. H. Markham during the cruise of the

Canadian government ship, *Alert*. Simple lists of about thirty-five flowering plants from Churchill and about forty species from Digges Island, also general remarks on plant ecology and phytogeography. *Copy seen:* DGS.

5606. GELERT, OTTO, 1862-1899. *Batrachium peltatum* (Schränk) *suecicum* nom. nov. (Botaniska notiser, 1896, p. 221)

Contains a Latin diagnosis of an aquatic herb, *Batrachium peltatum suecicum* nom. nov. native to Finnmark, Norway, and Kola Peninsula.

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5607. GEL'MERSEN, L. K voprosu ob otkrytii Vrangellovoi zemli. (Vsesoŭznoe geograficheskoe obshchestvo. Izvĕstīia, 1876. T. 12, p. 455-87, tables) *Title tr.:* On the question of the discovery of Wrangel Island.

Reply to Petermann, discussing the expeditions of Andreev (1763-64), Wrangel, Sannikov, Kellett, and DeLong, with the text of two unpublished confidential reports from Lieut. Col. F. Plenisher, Commander of Okhotsk (1760-72). The first deals largely with the Andreev expedition from Nizhne-Kolymsk to Medvezh'i Islands; the second contains the journal of Lieutenants Leont'ev, Pushkarev, and Lysov, whom Plenisher had sent to survey those islands (1767-69). *Copy seen:* DLC.

5608. GELTING, PAUL EMIL EL-LIOT, 1905- . Studies on the food of the East Greenland ptarmigan, especially in its relation to vegetation and snow-cover. København, C. A. Reitzel, 1937. 196 p. incl. illus., tables, diagrs. fold. map. (Meddelelser om Grønland. Bd. 116, nr. 3)

Results of the Three-Year Expedition to King Christian X Land, 1931-34, in the area between Franz Joseph Fjord and Sabine Island.

Contains a topographic-geological, and climatic survey of the region; the ecological conditions of plant species, measurements of the snow cover on vegetation, and importance of the snow cover for zonation of and access to the vegetation.

The occurrence, frequency, seasonal migrations and habitats of the ptarmigan. Constituents, quantity and variation of ptarmigan food. Organic nutritive substances in the food. Some

factors of importance for the growth and frequency of ptarmigan. The food of ptarmigan in other countries. Bibliography (149 items).

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5609. GELTING, PAUL EMIL EL-LIOT, 1905- . Studies on the vascular plants of East Greenland between Franz Joseph Fjord and Dove Bay (lat. 73°15'-76°20'N.). København, C. A. Reitzel, 1934. 340 p. incl. illus. (incl. maps, diagrs.) tables, 4 plates. (Meddelelser om Grønland. Bd. 101, nr. 2)

Results of the Three-Year Expedition to King Christian X Land, 1931-34, under the leadership of Laue Koch.

Contains a list of geographic positions for seventy-seven localities including islands, fiords and nunataks; classified list, with synonyms and detailed notes on distribution, of one hundred sixty-three species of ferns and flowering plants; a chapter on climate, and phytogeography of the area, with discussion of evidence of unglaciated areas in Greenland during the ice age; on phytogeography of Greenland; and description of life-forms of some species and other biological features including phenology; with a bibliography (238 items).

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5610. GENERAL MOTORS CORPORATION. They are up to their toes on old man river. Cleveland, O., 1949. 8 p. illus. (Diesel times, Mar. 1949. v. 6, no. 3)

Notes on various river towboats in which the corporation installed diesel engines, including (p. 4-5) the Hudson's Bay Company's *Pelican Rapids*, operating on Mackenzie River.

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5611. GENEROZOV, VLADIMIR ĬAKOVLEVICH. Ondatra i ee akklimatizatsiia na Solovetskikh ostrovakh. Solovki, 1927. 75 p., illus. (Solovetskoe obshchestvo Kraevedeniia. Materialy, vyp. 2) *Title tr.:* The muskrat and its acclimatization on Solovetskiye Islands.

Discussion of successful muskrat breeding in North America, the biology of the animal, and plans for establishing muskrat farms on the lakes of these islands in the White Sea. Physical geography of the region (p. 56-70, especially of its lakes, their water régime, salinity, temperature, classification,

list of 19 species of fresh-water flora and 22 species of shore vegetation, fishes.

Appendix. (1) letters from the United States and Canada showing the harmlessness of muskrats to agriculture; (2) illustrations to the text; (3) bibliography (14 items).

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5612. G E N E R O Z O V, VLADIMIR IAKOVLEVICH. Promyshlennoe razvedenie serebristo-chernykh lisit'sh i pest'sov v Sievernoi Amerik'e. Otchet po osmotru lisovodnykh pitomnikov v Kanadii. Petrograd, Tipografiia M. Merkusheva, 1916. 256 p. illus., map, diagrs. *Title tr.:* Industrial breeding of silver-black foxes and arctic foxes in North America. Report on the inspection of fox farms in Canada.

Based in part on the author's trip to Prince Edward Island, Canada, this comprehensive work contains description of the international fur trade and market, p. 7-33. History of fox breeding in Canada, especially on Prince Edward Island, and account of the flourishing situation of fox breeding due to high prices for breeders, p. 33-58; detailed description of fox farms and methods, mainly on Prince Edward Island, (p. 58-175 and 195-218), and future prospects, p. 228-43.

The arctic fox trade in Russia, especially on the Commander Islands, with statistical data, and its prospects, p. 175-95; strong recommendation for Russia to start breeding fur-bearing animals: the fox, arctic fox, sable, raccoon (p. 218-28 and 243-45). Canadian legislation concerning fur-bearing animal breeding, p. 246-50.

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5613. GENEST, A. T. Ungava. (Société de géographie de Québec. Bulletin, mai, 1910. v. 4, no. 2, p. 77-120.

Paper read before l'Institut canadien-français, Ottawa. Comprehensive description of the former Ungava District (now part of Quebec Province north of a line roughly from Eastmain River on Hudson Bay to Hamilton Inlet on the Labrador coast): nomenclature, boundaries, exploration, missionaries, trappers and traders, natural resources, rivers, trees and plants, animals and birds, climate, population.

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GENIEV, N. N., see Sumgin, M. I., & others. Vodonabzhenie zheleznykh dorog. 1939.

5614. GENKEL', ALEKSANDR GERMANOVICH, 1872-1927. Algologicheskie zametki I-II. (Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia 1926. T. 4, vyp. 9, p. 429-33, plate) *Title tr.:* Algal notices I-II.

Contains in the second part, an anatomical study of a marine alga *Ascophyllum nodosum*, (native to the arctic seas), carried out by the author in Murmansk Biological Station, Kola Peninsula, in the summer of 1921. Summary in German.

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5615. GENKEL', ALEKSANDR GERMANOVICH, 1872-1927. Materialy k fitoplanktonu Karskogo moria. (Po dannym Karskoi ekspeditsii 1924 g., organizovannoi Komitetom Severnogo morskogo puti. Seriiia rabot biopartii No. 5). Perm', 2-ia Tipogr. "Permopoligraf", 1925. 60 p. 7 plates. (Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia. T. 3, prilozh. 2) *Title tr.:* Materials for the phytoplankton of the Kara Sea. (Based on data of the Kara Expedition of 1924, organized by the Committee of the Northern Sea Route. Series of works of the biology section, No. 5).

Contents tr.: 1. On Kara Sea in general. 2. Equipment and the routes of the expedition. 3. Literature on Kara Sea and its plankton. 4. Diatoms of Kara Sea: (a) genus *Chaetoceras*; (b) a key for the determination of *Chaetoceras*; (c) other diatoms 5. Peridineae of Kara Sea. 6. Comparison and conclusions. 7. Literature. Summary in German. *Copy seen:* MH-Z.

5616. GENKEL', ALEKSANDR GERMANOVICH, 1872-1927. Novye vidy-diatomei Karskogo moria. (Seriiia rabot biopartii Karskikh ekspeditsii, organizovannykh Komitetom Severnogo morskogo puti no. 8 (No. 3 ekspeditsii. 1925 goda). Pub in: Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia 1926. T. 4, vyp. 9, p. 415-18, plate) *Title tr.:* New species of the diatoms of Kara Sea. (Series of works of the biology section of the Kara Sea expe-

ditions organized by the Committee of the Northern Sea Route No. 8 (No. 3 of the expedition of 1925)).

Contains Latin diagnoses of three new diatoms of the genus *Chaetoceras* and mention of one undescribed species of *Melosira*, collected in the Kara Sea in 1925. Summary in German.

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5617. GENKEL' ALEKSANDR GERMANOVICH, 1872-1927. Obshchaya kharakteristika filo planktona Karskogo moria. Seriya rabot biopartii Karskoi ekspeditsii 1924 g., organizovannoi Komitetom Severnogo morskogo puti, no. 3 *Pub.* in: Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia, 1924. T. 3, vyp. 4, p. 153-56) *Title tr.:* General characteristics of phytoplankton of Kara Sea. Series of works of the biology section of the Kara Expedition, 1924, organized by the Committee of the Northern Sea Route, no. 3.

Contains a preliminary report on the expedition with a brief sketch of the phytoplankton of Kara Sea. Summary in German.

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5618. GENKEL', ALEKSANDR GERMANOVICH, 1872-1927, and V. A. NOVIKOV. O sozhitel'stve *Ascophyllum* s *Rivularia*. (Molotov (formerly Perm'). Biologicheskii nauchno-issledovatel'skii institut. Izvestiia, 1923. T. 2, vyp. 2, p. 4) *Title tr.:* On symbiosis of *Ascophyllum* with *Rivularia*.

Contains a preliminary report on a case of alga *Rivularia* and a marine alga *Ascophyllum nodosum* collected near the Murman coast.

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5619. GENKEL', PAVEL ALEKSANDROVICH, 1903- O tsvetkovykh rasteniiakh i amala i avaiia, sobrannykh letom 1925 g. (Seriia rabot biopartii Karskoi ekspeditsii, organizovannoi Komitetom Severnogo morskogo puti, no. 9 (no. 4, 1925). *Pub.* in: Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia, 1926. T. 4, vyp. 9, p. 437-45) *Title tr.:* On vascular plants of Yamal and Yavay Peninsulas, collected during the summer of 1925. (Series of the works of the biology section of the Kara Expedition organized by the Committee of the Northern

Sea Route, no. 9, (No. 3 of the expedition of 1925)).

Contains a list of fifty-three flowering plants from Yamal Peninsula and twenty-two from the Yavay Peninsula, collected by A. G., P. A., and A. A. Genkel', and by L. N. Nefed'ev, in the summer of 1925. Summary in German.

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5620. GENKIN, R. L., and I. A. F. LEVIN. Klinika, klassifikatsiia i lechenie ot morozhenii. (Sovetskaiia meditsina, 1943, vyp. 11-12, p. 12-15) *Title tr.:* Clinical consideration, classification and treatment of frostbite.

Definitions of four degrees of frostbite, symptoms, suggestions for prevention, and notes on treatment in hospitals. English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 33-39. (Copy in DLC).

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5621. GEOGHEGAN, RICHARD HENRY, 1866-1943. The Aleut language, the elements of Aleut grammar with a dictionary in two parts containing basic vocabularies of Aleut and English, by Richard Henry Geoghegan; edited by Fredericka I. Martin. Washington, D. C., United States Dept. of the Interior, 1944. iii, 169 p.

Contains a prefatory note by the editor, on the Aleuts, their language, and on R. H. Geoghegan; the elements of Aleut grammar based on the Russian text *Opyt grammatiki aleutsko-lisetskago iazyka*, 1846, by I. E. P. Veniaminov, q.v., p. 13-88; Aleut-English dictionary, p. 89-124; English-Aleut dictionary, p. 127-69; with bibliographies of works published in the Aleut language p. 86-87; works on the Aleuts, particularly (p. 91-93) by Veniaminov.

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5622. GEOGRAFISK TIDSSKRIFT, KJOENHAVN. Den nordamerikanske Greely-expedition. (Geografisk tidsskrift, Kjoenhavn, 1884. Bd. 7, p. 121-23, map) *Title tr.:* The North American Greely Expedition.

Account of the Greely relief expedition to Smith Sound in the *Bear*, *Thetis*, and *Relief*, under Commander Schley, and the rescue at Cape Sabine, Pim Island (off the east coast of Ellesmere), of Greely and surviving members of the Lady Franklin Bay Expedition, June

1884; with remarks on the results of that expedition. *Copy seen:* DLC.

5623. GEOGRAPHISCHE GESELLSCHAFT IN BREMEN. Die Erforschung der Neu-Sibirischen Inseln. (Deutsche geographische Blätter, 1886. Bd. 9, p. 53-62) *Title tr.:* Exploration of the New Siberian Islands.

Gives sketch of history of exploration of New Siberian Islands, and particularly of the Expedition to the New Siberian Islands and Yana land, 1885-1886(?) led by Dr. Alexander Bunge. Based principally upon a lecture by Leopold von Schrenk (Zur Vorgesichte der von der Kaiserlichen Akademie der Wissenschaften ausgerüsteten Expedition nach der Neu-Sibirischen Inseln und dem Jana-Land, 1885 q.v.). *Copy seen:* DLC.

5624. GEOGRAPHISCHE GESELLSCHAFT IN BREMEN. Notes on a visit to the Chukche Peninsula in 1881, based on letters from Drs. Arthur and Aurel Krause (Royal Geographical Society. Proceedings, 1882, v. 4, p. 621-23).

Communication read at meeting of British Association for the Advancement of Science, Geographical Section, 1882. Summary of observations on ethnology, geology, coasts, botany, and zoology, made on a whaleboat trip along the coast of Chukotsk Peninsula from Plover Bay to East Cape (Dezhneva), Aug. 24-Sept. 12, 1881, camping at twelve localities en route.

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5625. GEOGRAPHISCHE GESELLSCHAFT IN BREMEN. Die zweite deutsche Nordpolar-Expedition. Offizielle Mittheilungen des Bremischen Comités. 2. Aufl. Braunschweig, G. Westermann, 1870. 2 p. 1., 54 p. 2 l. 6 plates, map. *Title tr.:* The Second German North Polar Expedition. Official reports of the Bremen Committee. 2d edition.

Contains a brief summary of the first German North Polar Expedition, 1868; a statement of the plans of the second expedition, 1869-70, led by Capt. Karl Koldewey, the equipment (with plans of the ships *Germania* and *Hansa*), a brief summary of the course of the expedition off the east coast of Greenland during the summer of 1869, and a detailed statement of the cost and donors. *Copy seen:* DLC.

5626. GEOGRAPHISCHE GESELLSCHAFT IN BREMEN. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870 unter Führung des Kapitäns Karl Koldewey. Hrsg. von dem Verein für die deutsche Nordpolarfahrt in Bremen. Leipzig, F. A. Brockhaus, 1873-74. 2 v.: lxix, 1 l., 699 p. illus., 28 plates, 10 maps (3 fold.); xv, 962 p. 33 plates, fold. map) Edited by G. Hartlaub and M. Lindeman. *Title tr.:* The Second German North Polar Expedition, 1869-1870, under the leadership of Karl Koldewey. Published by the Association for the German North Polar Expedition in Bremen. An abridged English translation of vol. 1 was published as Koldewey, K. *The German Arctic Expedition of 1869-70*, pub. 1874, q.v. An abridged French translation appeared in *Le Tour du monde*, 1874, v. 27, p. 1-64, v. 28, p. 65-128.

Narrative and results of an expedition financed and organized by the Bremen Geographical Society (then called the Association for the German North Polar Expedition), with the ships *Germania* and *Hansa*, to carry out exploratory and scientific investigations in the "central arctic region," using East Greenland as a base. The two ships reached the 75°N. parallel in the Greenland Sea, thence the *Hansa* went southwest along the coast of Greenland, till October, when it was wrecked, the men continuing by boat and across the ice, around Cape Farewell. The *Germania* wintered at Sabine Island, its men carried out sledge journeys for exploration from Franz Joseph Fiord to Cape Bismarck (77°N.), and surveyed the neighboring islands, returning to Germany in Sept. 1870. *Contents tr.:* v. 1. Narrative. (Preliminary section): foreword; remarks on the maps; history of the expedition (including description of the two ships). List of provisions. Correspondence between the two captains. Instructions for the expedition, by A. Petermann.

v. 1, pt. 1. The common voyage of the two ships and the voyage of the *Hansa*, by K. KOLDEWEY and others.

MAURER, K. The history of the exploration of Greenland.

v. 1, pt. 2. The voyage of the *Germania*, by K. KOLDEWEY, and others, (including):

PAYER, J., and others. Game and wildlife in East Greenland.

PANSCH, A. Excursions to Sabine and Clavering Islands to investigate the Eskimo settlement ruins.

v. 2. Scientific results.

1. Botany. Introduction by F. Buchenau.

PANSCH, A. Climate and vegetation of East Greenland.

BUCHENAU, F., and W. O. FOCKE. Vascular plants.

MÜLLER, K. Mosses.

KÖRBER, G. W. Lichens.

ZELLER, G. Algae.

BONORDEN, H. F., and L. FÜCKEL. Fungi.

KRAUS, G. Driftwood. Some remarks on the age and condition of growth of East Greenland woody plants.

2. Zoology. Introduction, by O. Finsch.

PANSCH, A. Anthropology.

PETERS, W. Mammals and fishes.

NATHUSIUS, H. v. Remarks on the cranium of the Eskimo dog.

FINSCH, D., and A. Pansch. Birds.

NEWTON, A. Eggs [of birds].

KUPFFER, C. Tunicates.

MÖBIUS, K. Molluscs, worms, echinoderms, and coelenterates.

BUCHHOLZ, R. Crustaceans.

KOCH, L. Arachnids.

GERSTÄCKER, A., and A. PANSCH. Hymenopterous and dipterous insects.

HOMÉYER, A. v. Lepidoptera.

KIRCHENPAUER, G. H. Hydroids and bryozoans.

SCHMIDT, O. Siliceous sponges.

HAECKEL, E. Calcareous and gelatinous sponges.

EHRENBERG, C. G. The microscopic, active life of the arctic zone, on land and in the deep sea deposits.

3. Geology. Introduction, by F. v. Hochstetter.

TOULA, F., and O. LENZ. Geology of East Greenland between 73°-76°N. parallels.

TOULA, FRANZ. Description of the Mesozoic fossils.

BAUER, A. Analyses of some East Greenland minerals.

HEER, O. Fossil flora.

4. Meteorology and hydrography. Foreword, by W. v. Freeden.

BÖRGEN, C., and R. COPELAND. Introduction (observers and instruments).

KOLDEWEY, K. Air temperatures. KOLDEWEY, K. Wind and weather. KOLDEWEY, K. Ocean temperatures and currents.

KOLDEWEY, K. Tidal observations. BÖRGEN, C. Aerometer observations.

5. Astronomy. Introduction by C. Bören and R. Copeland.

BÖRGEN, C., and R. COPELAND. Astronomical determinations of position.

KOLDEWEY, K. Astronomical determinations of position during the northern sledge journey.

6. Geodesy.

BÖRGEN, C., and R. COPELAND. Foreword. Reconnaissance for a measurement of degree. Trigonometric and barometric measurement of altitude.

7. Terrestrial magnetism.

BÖRGEN, C. Foreword. Observations on Sabine Island and other coastal points. Remarks on the northern lights.

Addenda.

BÖRGEN, C., and R. COPELAND. The speed of sound at low temperatures.

COPELAND, R. Measurement of the advance of the glaciers in Franz Joseph Fiord.

FINSCH, O. Alphabetical index to genera and species.

Each paper appears in this Bibliography under the author's name.

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5627. GEOGRAPHISCHE GESELLSCHAFT IN WIEN. Österreichs Anteil an der Polarforschung. Festversammlung anlässlich der Rückkehr der österreichischen Jan Mayen-Expedition 1932-33 am 10. XII. 1933. (Its: Mitteilungen, 1934. Bd. 77, p. 5-35) Title tr.: Austria's participation in polar research. A meeting honoring the return of the Austrian Jan Mayen Expedition 1932-33, on Dec. 10, 1933.

Contents tr.: Address of the President, Prof. Gustav von Arthaber. Oberhammer, E. Austrian polar research. TOLLNER, H. Lecture of the expedition leader.

The paper by H. Tollner appears in this Bibliography under his name.

Copy seen: DLC.

GEOGRAPHISCHE GESELLSCHAFT IN WIEN, see also Chavanne, J., & others. Literatur über d. Polar-Regionen. 1878.

5628. GEOLOGICAL SOCIETY, *London*. [Meteorite iron from Greenland] (Geological magazine, Dec. 1871. v. 8, no. 12, p. 570-71)

Discussion at the meeting of the Geological Society of London, Nov. 8, 1871, on the meteorites found by Nordenskiöld at Ovifak, on the southern coast of Disko, during the Swedish Expedition to Greenland, 1870.

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GEOLOGICAL SOCIETY OF AMERICA, *see* Raup, H. M. Expeditions Alaska Military Highway 1943-44. 1944.

GEORGE, F., *see* Drever, H. I., & P. M. Game. Geology of Ubekendt Ejland. Pt. 1. 1948.

5629. GEORGE, PIERRE. L'homme dans les régions polaires. (L'information géographique, janv.-mars 1941. Année 5, p. 23-29) *Title tr.*: Man in the polar regions.

General summary of arctic climate as it affects man, the Arctic Basin, animal life, fisheries, settlements, populations and modern methods of exploration.

Copy seen: NNA.

5630. GEORGESON, CHARLES CHRISTIAN, 1851-1931. Brief history of cattle breeding in Alaska. Washington, U. S. Govt. Print. Off., 1929. 23 p. illus., tables. (Alaska. Agricultural Experiment Stations. Bulletin no. 8)

Concerns the Galloway and Holstein-Friesians used in Alaska, with brief note on dairy yield and introduction of the yak.

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5631. GEORGESON, CHARLES CHRISTIAN, 1851-1931. Bulb growing in Alaska. Washington, U. S. Govt. Print. Off., 1928. 11 p. illus. (Alaska. Agricultural Experiment Stations. Circular no. 2)

Information on methods of culture and varieties of narcissus, tulips, English iris, gladiolus, and regal lily, chiefly in the Sitka region; with brief note on an experiment in the interior (inconclusive); also bibliography (5 items).

Copy seen: DA.

5632. GEORGESON, CHARLES CHRISTIAN, 1851-1931. Production of improved hardy strawberries for Alaska. Washington, U. S. Govt. Print. Off., 1923. 13 p. 10 plates. (Alaska. Agricultural Experiment Stations. Bulletin no. 4)

Notes on native and hybrid berries and their cultivation in many parts of Alaska.

Copy seen: DA.

5633. GEORGESON, CHARLES CHRISTIAN, 1851-1931. Vegetable gardening in Alaska. Washington, U. S. Govt. Print. Off., 1928. 32 p. illus. (Alaska. Agricultural Experiment Stations. Bulletin no. 7)

Contents: Climate, soils, cultural conditions (ice in the ground, drainage, fertilizers, exposure, windbreaks, etc.) hotbeds, coldframes, and window boxes, seed testing, and directions for cultivating vegetables and flavoring herbs.

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5634. GEORGESON, CHARLES CHRISTIAN, 1851-1931, and G. W. GASSER. Cereal growing in Alaska. Washington, U. S. Govt. Print. Off., 1926. 40 p. illus. (Alaska. Agricultural Experiment Stations. Bulletin no. 6)

Discussion of climate and soils, the conditions (drainage, frozen ground, frost, precipitation) and methods of cultivation, yields, and market; classification of wheat as to season of maturity, notes on oats and barleys, and list of hybrids.

Copy seen: DA.

5635. GEORGESON, CHARLES CHRISTIAN, 1851-1931, and W. T. WHITE. Eradication of tuberculosis in cattle at the Kodiak Experiment Station. Washington, U. S. Govt. Print. Off., 1924. 11 p. illus., tables (Alaska. Agricultural Experiment Stations. Bulletin no. 5)

Report on original herd, its survival of the Katmai eruption, later development of the disease, and treatment.

Copy seen: DA.

GEORGESON, ELIZABETH, *see* Hardy, A. C., & others. Arctic plankton *Nautilus* Exped. 1931. 1936.

5636. GEORGI, JOHANNES, 1890-. Bemerkungen zur glaziolen Antizyklone. (Annalen der Meteorologie, Sept.-Nov. 1948. Jahrg. 1, p. 277-83, diagrs.) *Title tr.*: Remarks on the glacial anticyclone.

Notes on European attitudes toward Hobbs' theory of the glacial anticyclone, on the wind system over Greenland being mainly anticyclonic in the lower layers, but not strictly dependent upon the inland ice, rather its being greatly dependent on "the

joint effect of the neighboring pressure systems, which are guided mechanically by the inland ice ridge".—From the author's abstract.

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5637. GEORGI, JOHANNES, 1890– . Die bodennahe Luftschicht über dem grönländischen Eis. Berlin, Borntraeger, 1943. p. l., 27 p. illus., tables, diagrs. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 11) *Title tr.:* The ground layer of air over the Greenland ice.

Based on observations made at Mid-Ice Station during the German Expedition of Alfred Wegener, 1929 and 1930–31. This station stood mid way between the east and west coast of Greenland, on the inland ice, at about 70°53'N. 40°42'W.)

Contains description of the temperature measurement (1) at 10 centimeters above the surface and (2) in the firn layer of the ice at 40 cm. depth; and discussion of the daily temperature range of the air and firn, with comparative figures for temperatures in the hut, and involving solar radiation, duration of sunshine, wind, cloudiness and vapor pressure.

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5638. GEORGI, JOHANNES, 1890– . Deutschland in der Polar-Forschung. (Natur und Volk, Sept. 1937. Bd. 67, p. 419–29, illus., sketch map) *Title tr.:* Germany in polar research.

Part one is a brief summary of German expeditions in the arctic regions. Part two deals with the Antarctic.

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5639. GEORGI, JOHANNES, 1890– . Die Eismittestation. (In: Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930–1931. Wissenschaftliche Ergebnisse, 1935. Bd. 4, Meteorologie, Halbbd. 1, Das Beobachtungsmaterial, p. 191–386, incl. 140 p. of tables and diagrs., fold. diagram at end of volume) *Title tr.:* The Mid-Ice Station. (German Greenland Expedition, Alfred Wegener, 1929, and 1930–1931)

Meteorological observations from the inland ice station at about 70°53'N. 40°42'W., three thousand meters above sea level. A. An introduction giving a brief diary of activities, the position, altitude, and time determinations for the Mid-Ice Station.

B. Tables of meteorological observations at 8, 14 and 21 hours, Aug. 1, 1930 to Aug. 6, 1931; hourly values for pressure and temperature, same dates; for humidity, Aug. 1–Oct. 8, Dec. 22–29, 1930, Mar. 16–18, 30–31, Apr. 1–Aug. 5, 1931; for solar radiation and duration of sunshine Aug. 5–Sept. 30, 1930, and intermittently, Oct. 1, 1930–Aug. 6, 1931. Barometer, temperature, humidity and solar radiation records Aug. 6, 1930–Aug. 6, 1931.

C. Extended remarks on the instruments, with illustrations.

D. Discussion and tables of aerological observations. Seven balloon ascents, during Aug.–Sept. 1930, May–July 1931, analyzed for temperature inversion 0–200 meters, per cent wind directions, and cloud measurements.

Illustrations, etc.: Fold. weather diagram at end of volume, with upper wind measurements on the verso.

Supplemental data are given in Wegener, K. *Ergänzungen für Eismitte* in pt. 2 of this volume.

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5640. GEORGI, JOHANNES, 1890– . Greenland as a switch for cyclones (Geographical journal, Apr. 1933. v. 81, p. 344–45, 2 plates)

Based on work of the Wegener Expedition to Greenland, 1930–31, and other records. A discussion (in brief) of the effect of Greenland on meteorological conditions of the region, and of the icecap, in respect to air masses and winds, mentioning also the results of the British Arctic Air Route Expedition.

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5641. GEORGI, JOHANNES, 1890– . Im Eis vergraben. Erlebnisse auf Station "Eismitte" der letzten Grönland-Expedition Alfred Wegeners. München. Müller, 1933. 224 p. front. (port.) illus., diagrs. *Title tr.:* Buried in the ice. Life at Mid-Ice Station during the last Greenland Expedition of Alfred Wegener. Translation in English was published as *Mid-Ice*, 1934.

The author accompanied A. Wegener on the preliminary expedition, 1929, and returned with main expedition to occupy the inland-ice station, 1930–31. This account of his experience includes general remarks on Greenland and the exploration of its inland ice; a brief summary of the activities of the West Station; a note on Alfred Wegener;

a narrative, drawn from the author's diary, of the occupation of the station, situated on the inland ice, four hundred kilometers east of Umanak Fiord, with discussion of problems of food supply, housing, and clothing.

Includes a chapter by E. Sorge, *How I joined Georgi at Mid-Ice*, describing crossing the ice with dog sledges.

Concluding chapter, *Some notes on the technique of expeditions*, contains brief discussion of modern technical inventions, the most suitable size for an expedition, the duties of a leader, the question of married or single men as preferable, and the need for candid reports of expeditions.

The scientific reports were published as: Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. *Wissenschaftliche Ergebnisse*, 1933-40, q.v.

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5642. GEORGI, JOHANNES, 1890-. *Meteorologische Beobachtungen auf einer Forschungsreise mit "Meteor" nach Island und Grönland im Sommer 1928*. (Hamburg. Deutsche Seewarte. Archiv. 1930. Bd. 49, Nr. 3, p. 3-78, diags.) **Title tr.:** Meteorological observations on a scientific journey on the *Meteor* to Iceland and Greenland in the summer, 1928.

Synoptic meteorological and pilot balloon observations taken on board the *Meteor*, July 27-Sept. 3, 1928 in the North Atlantic and Denmark Strait.

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5643. GEORGI, JOHANNES, 1890-. *Mid-Ice; the story of the Wegener Expedition to Greenland*. London, Kegan Paul, Trench, Trubner & Co., Ltd., 1934. xiii, [1] 247 p. illus. (sketch map, diags.) 24 plates.

Translation in English of his, Im Eis vergraben, 1933, q.v.

Copy seen: DLC.

5644. GEORGI, JOHANNES, 1890-. *Starke Temperaturumkehr an der grönländischen Küste. (Vorläufige Mitteilungen)* (Annalen der Hydrographie und maritimen Meteorologie, März 1929. Bd. 57, p. 86-88, fold. diagr.) **Title tr.:** Sharp temperature inversion on the Greenland coast. (Preliminary report).

Based on observations made during the *Meteor* Expedition, 1928, from Julianehaab around Cape Farewell and along the east coast a short distance.

Contains a description of observed temperature inversions, and a discussion of the manner in which the temperature of an air mass is influenced by water temperature, with direct application to the situation on the south and east coasts of Greenland.

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GEORGI, JOHANNES, 1890-, *see also* Gesellschaft für Erdkunde Berlin. *Deutsche Grönland-Exped.* 1929-31. 1932.

GEORGI, JOHANNES, 1890-, *see also* Hobbs, W. H. *Rhythm Greenland glacial anticyclones*. 1944.

GEORGI, JOHANNES, 1890-, *see also* Wegener, A. L., & others. *Deutsche Inlandeis-Exped. nach Grönland* 1929. 1930.

GEORGI, JOHANNES, 1890-, *see also* Wegener, E. ed. *Alfred Wegeners letzte Grönlandfahrt*. 1932.

GEORGI, JOHANNES, 1890-, *see also* Wegener, K. *Ergänzungen Eismitte. Meteorologie (Exped. Wegener)*. 1939.

5645. GEORGIEVSKAIA, L. M., and M. Z. KOTIK. *Oznoblenie legkikh. (Klinicheskai meditsina, 1944. T. 22, vyp. 1-2, p. 36-42)* **Title tr.:** Lung chill.

Contains notes (in general) on human physiological reactions to cold, and a detailed medical discussion, with three case histories in illustration, of symptoms and effects of severe cold on the respiratory system. Translation in English was published in E. R. Hope, Frostbite; translations [etc.], Ottawa, Defence Research Board, 1950, p. 85-93. (Copy in DLC).

Copy seen: DSG.

5646. GEORGIEVSKII, N. P. *Bor'ba so snezhnymi zanosami v Arktike. (Sovetskai Arktika, 1938, no. 6, p. 103-104, diags., illus.)* **Title tr.:** The struggle against snow drifts in the Arctic.

Discussion of the need for study of snow storms and methods of protecting buildings against snow drifts; based on the author's experience at Cape Shmidt in 1934-35 and 1936-37. Illustration shows the snow-drift pattern around the buildings at Cape Shmidt polar station on Dec. 18, 1934.

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5647. GEORGIEVSKII, N. P. Issledovanie snegovogo pokrova na myse Shmidta v zimovku 1934-35 goda. (Problemy Arktiki, 1938, no. 3, p. 71-83, diagrs.) **Title tr.:** Investigations of the snow cover conducted on Cape Shmidt in the winter of 1934-35.

A discussion of the snow cover, its physical and mechanical properties; a description of instruments used for measuring its strength, and effects produced by the melting process.

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5648. GEORGIEVSKII, N. P. Navigatsionnye gidrometeorologicheskie punkty v 1940 g. (Sovetskaya Arktika, 1940, no. 7, p. 68-72, maps) **Title tr.:** Hydrometeorological stations for navigation in 1940.

Contains sailing directions for waters around islands in Kara and Laptev Seas and Vilkitski Strait, on which the Main Administration of the Northern Sea Route decided to establish temporary hydrometeorological stations for the 1940 navigation season. Includes brief geographical data on these islands, coordinates of beacons on Pravda Island (76°16'N. 94°46'E.), Tyrtova Island (76°36'N. 97°31'E.), Geyberg Islands (beacon on the most easterly of the group, 77°31'N. 101°34'E.), Petra Islands (beacon on the northern island, 76°42'N. 112°41'E.) and Ayon Island (70°N. 168°52'E.).

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5649. GEORGIEVSKII, N. P. Opyty uskoreniya taniya snega i l'da v raione mysa Shmidta v 1937 godu. (Svernnyy morskoy put', 1939, No. 13, p. 29-35, illus.) **Title tr.:** Experiments in speeding up the melting of snow and ice in the region of Cape Shmidt, 1937.

A description of the effects of darkening the snow and ice surface by applying cinders, etc.

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5650. GEORGIEVSKII, N. P. Osobennosti uslovii solnechnogo osveshcheniya v Arktike. (Problemy Arktiki, 1938, no. 3, p. 135-36, diagr.) **Title tr.:** Peculiarities of daylight conditions in the Arctic.

Results of field observations on the duration of daylight at Cape Shmidt, Wrangel Island and Uelen.

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5651. GEPTNER, V L A D I M I R GEORGIEVICH, 1901- , and V. I. TSALKIN. Oleni SSSR (sistematika i zoogeografiya). Moskva, Moskovskoe obshchestvo ispytatelei prirody, 1947, 174, [2] p. illus., 5 col. plates, 1 sketch map, tables. (Materialy v posnaniya fauny i flory SSSR. Novaya seriya. Otdel zoologicheskii. Vyp. 10 (xxv)) **Title tr.:** The deer of the U.S.S.R. (systematics and zoogeography).

A study of the red deer (*Cervus elaphus*) and five species of the musk deer (*Moschus*), one species of which (*Moschus moschiferus arcticus*) is found in the Yakut A.S.S.R.

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5652. GERASIMENKO, V. I. Atmosferno-elektricheskie issledovaniya na myse Chel'uskiye v 1934-35 godu. (Leningrad. Vsesoyuznyy arkticheskiy institut. Trudy, 1937, T. 97, p. 5-61, illus., tables, diagrs.) **Title tr.:** Studies on atmospheric electricity at Cape Cheliuskin, 1934-1935.

Report on the author's work during his stay at the polar station, Dec. 1, 1934 to Aug. 20, 1935, with full discussion of apparatus and equipment, and of the results. Results show the electric field to be subjected to great fluctuations during blizzards and periodic variations of potential gradient.

Tables: 1. Data on checking of isolation Apr.-Aug. 1935.

2. Comparison of readings of Wilson apparatus and Benndorf electrometer.

3-5. Diurnal variation of potential gradient for all days; for quiet days; and for each month separately.

6. Change of potential gradient during aurora borealis.

7. Measurement of potential gradient and air-earth current with the Wilson apparatus. Summary in English.

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5653. GERASIMENKO, V. I. Atmosferno-elektricheskie izmereniya na ostrove Ketlit'sa (Zemlya Frantsa-Iosifa). (Problemy Arktiki, 1940, no. 5, p. 110-12, table, diagr.) **Title tr.:** Atmospheric electricity measurements on the Island of Ketlit'sa (Franz Josef Land).

The results of simultaneous readings of potential gradient and vertical gradient at Tikhaya Bukhta, Hooker Island (80°20'N. 52°20'E.) and on Ketlit'sa Island, 35-40 km. to the north, Apr. 12-16, 1938. The results are

shown to be inconclusive as to synoptic nature of these elements, and as to the influence of local conditions.

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5654. GERASIMENKO, V. I. Elektricheskie razriady vo vremia snezhnykh bur'. (Problemy Arktiki, 1940, no. 10, p. 43-51, tables, illus.) *Title tr.:* Electric discharges during snow storms.

Point discharges and potential gradient are determined for certain stormy periods at Calm Bay, (Tikhaya Bukhta) Hooker Island in Franz Josef Land, during the period Nov. 1938-May 1939.

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5655. GERASIMENKO, V. I. Obzor atmosferno-elektricheskikh nabludenii v polarnykh stranakh. (Problemy Arktiki, 1937, no. 3, p. 83-98, diags.) *Title tr.:* Survey of the observations of atmospheric electricity taken in polar regions.

Discussion of observations made by various arctic expeditions (since the late 19th century). The author shows these observations to be casual and to indicate only generally the diurnal and annual course of potential gradient, conductivity of the air and ionization. Includes statement of urgent need for further research, and a bibliography (16 items). Summary in English.

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5656. GERASIMOV, DMITRII ALEKSANDROVICH, 1895-. K flore sfagnovykh mkhov. (Molotov (formerly Perm'). Universitet. Biologicheskii nauchno-issledovatel'skii institut. Izvestiia. 1926. T. 4, vyp. 9, p. 391-413.) *Title tr.:* A contribution to the flora of sphagnum mosses.

Contains a study of the peat bogs of the Ural Mts., including the Northern Ural and Bol'shezemel'skaya Tundra, and a list of twenty-eight species of sphagnum mosses with detailed data on habitat and geographical distribution. Summary in German.

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5657. GERASIMOV, DMITRII ALEKSANDROVICH, 1895-. Sfagnovyie mshi Urala i zapadnoi Sibiri. (Molotov (formerly Perm'). Biologicheskii nauchno-issledovatel'skii institut. Izvestiia, 1931. T. 7, vyp. 10, p. 491-515) *Title tr.:* Sphagnum mosses of the Urals and western Siberia.

Contains a general survey of sphagnum vegetation of the Ural Mts., and western Siberia, a description of typical moss association and enumeration of thirty-two species of sphagnum mosses with data on distribution and habits, based on the study of more than sixteen hundred herbarium specimens, including a collection of B. N. Gorodkov from the region of Gydan Bay. Summary in German.

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5658. GERASIMOV, I. F. Ob ostrove "Uedinenie". (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, vyp. 2, p. 246-55, illus., maps) *Title tr.:* On Uyedineniya Island.

Description of this island in Kara Sea (about 77°28'N. 82°28'E.), with a brief history of its discovery, and remarks on the variant geodetic determination of its location.

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5659. GERASIMOV, I. P., and K. K. MARKOV. Razvitie landshaftov SSSR v lednikovyi period. (Akademiia nauk SSSR. Botanicheskii institut. Materialy po istorii flory i rastitel'nosti SSSR, 1941. Vyp. 1, p. 7-27) *Title tr.:* Development of the landscapes of the U.S.S.R. in the glacial period.

Contains a survey of changes which occurred during the glacial and interglacial period (geomorphology, climate, soils, vegetation) in the territory occupied by the U.S.S.R. Summary in English.

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5660. GERASIMOVICH, N. V. Tai-myrskom okruge. (Sovetskii Sever, 1933, no. 6, p. 60-65, tables) *Title tr.:* The Taymyr district.

Report on a trip to the region in 1933. General description of living conditions; list of schools; unsatisfactory work of economic organizations, supply, medical care, communication facilities, etc.

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5661. GERASIMOVSKII, V. I. Novye dannye po mineralogii Lovozerskogo shchelochnogo massiva. (In: Akademiia nauk SSSR. Kol'skaia baza. Prosv'voditel'nye sily Kol'skogo poluostrova I. 1940. p. 67-76, tables) *Title tr.:* New data on the mineralogy of Lovozerskiy basic massif.

Contains a short survey of the exploration of mineral resources of the basic rocks in Lovozerskaya Tundra

(67°41'–67°55'N. 34°21'–35°45'E.); description and chemical analysis of nine new minerals discovered in these deposits; and a general evaluation of the deposits said to contain some rare elements in quantity. Bibliography (7 items).
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5662. GERLACHE, ADRIEN de. La banquise et la côte nord-est du Grönland au nord du 77° de Lat. N., en 1905. (Géographie, 15 sept. 1906. T. 14, p. 125–42, 2 fold. charts) **Title tr.:** The pack ice and the northeast coast of Greenland, north of 77°N. in 1905.

Journal of the voyage of the *Belgica* during the arctic expedition of Duc d'Orléans, June–Aug. 1905, in Svalbard waters, Greenland Sea and Denmark Strait, with notes on the limits of navigable and impenetrable ice, remarks on flowers seen along East Greenland shores between 76°–78°N. and on the fog.

Table: Soundings in northern Svalbard waters and Greenland Sea.

Charts: (1) Route, soundings and ice conditions. (2) Reconnaissance of East Greenland coast between 76°40' and 78°15'N.

Copy seen: DLC; NNStef.

5663. GERLACHE, ADRIEN de. Extraits du journal de bord. (In: Orléans, L. P. R., *Duc d'.* Croisière océanographique accomplie à bord de la *Belgica* dans la mer du Grönland 1905, pub. 1907. p. 25–70, incl. tables) **Title tr.:** Extracts from the ship's log. (Duke of Orléans oceanographic cruise on the *Belgica*, in Greenland Sea, 1905)

Contains list of scientific and common names of birds and mammals observed (mentioned in tabular notes); tables showing four-hourly observations, June 4–Aug. 22, of position, wind direction and force, atmospheric pressure, temperature and humidity, clouds, state of sea, ice conditions, weather notes, and birds and animals observed; also lists of sounding and oceanographic stations.

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5664. GERLACHE, ADRIEN de, and others. Journal du bord et physique du globe. Bruxelles, 1911. 4 p. l., 99 p., 3 l. illus., 10 plates, 2 fold. charts, tables, diagrs. (Orléans, Louis Philippe Robert, *Duc d'.* Campagne arctique de 1907. No. 1) **Title etc., tr.:** Ship's logs

and geophysics. (Duke of Orléans arctic expedition, 1907).

Contents tr.: Gerlache, A. de. Ship's log. (The extracts from the log of the *Belgica*, July 8–Sept. 12, 1907, show four-hourly position, direction and force of wind, clouds, atmospheric pressure, temperature and humidity, state of sea, color and surface temperature of the sea water, and ice conditions with remarks on birds and animals observed).

Gerlache, A. de Meteorology. (The meteorological tables show daily and hourly means and extremes July 16–Aug. 15, of the meteorological elements mentioned above, for the west side of Kara Sea, along Novaya Zemlya).

NIPPOLDT, A. Terrestrial magnetism.

LÜDELING, G. Atmospheric electricity.

Appendix: Gerlache, A. de. Soundings made in Greenland Sea, 1909.

Illus., etc. show the ice conditions.

Charts: 1. Topographic and bathymetric chart of Matochkin Shar.

2. Route chart of the cruise of the *Belgica*, 1907, with soundings in meters.

Papers by A. Nippoldt and G. Lüdeling appear in this Bibliography under their respective authors' names.

Copy seen: DSI-M.

GERLACHE, ADRIEN de, see also Koefoed, E., & A. de Gerlache. Océanographie et biologie. (*Belgica* 1905). 1907.

GERMAN KREPS, see KREPS, GERMAN.

5665. GERMANY. KRIEGSMARINE OBERKOMMANDO. Die Fahrt nach dem Ob und Jenissei 1919. Berlin, E. S. Mittler & Sohn, 1919. vii, 148 p. illus., 3 sketch charts. (Its: Nr. 2016) **Title tr.:** Sailing directions for the Ob and Yenisey route.

Issued for 1919 by the Admiralität; 1921–35 by the Marineleitung; 1936–44 by the Oberkommando der Kriegsmarine. **Supplements** issued annually to 1944.

Sailing directions for the seas and coastal waters of the U.S.S.R. from Cape Kanin eastward to the Yenisey. Contains in pt. 1 (p. 1–34) a general survey of coasts, islands, bays and rivers, depths, wind and weather, fog, rain and snow, water temperature and sa-

linity, currents, ice (influence on atmosphere and sea, drift ice, navigability, drift of ice, limits, formation and melting, signs of approach, navigation in ice, ice conditions, and navigational season, p. 13-29), clouds, biology, daylight, optical phenomena, and general aids to navigation.

Pt. 2. From Cape Kanin to Yugor Straits.

Pt. 3. Vaygach, Yugor and Kara Straits.

Pt. 4. West coasts of southern Novaya Zemlya and Matochkin Shar.

Pt. 5. Kara Sea.

Pt. 6. The Ob.

Pt. 7. The Yenisey.

Information on aids to navigation, ice, currents, tides, shallows, and port facilities, is included for each of these sections. Bibliography of source materials (30 items).

File seen: DN-HO (suppl. 1929-31, 1935-44).

5666. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Handbuch der Nordküste Russlands. I. Teil: Murman-Küste und Weisses Meer. 3. Aufl. Berlin, E. S. Mittler & Sohn, 1930. xxii, 608 p. incl. tables. illus., 4 sketch charts, diagrs. (*Its:* Nr. 2015) *Title tr.:* Sailing directions for the north coast of Russia. Pt. 1: Murman coast and the White Sea. 3d edition. Issued by Marineleitung, 1930-35; by Oberkommando der Kriegsmarine, 1936-44. Supplements issued annually, 1931-44.

Contains in pt. 1 (p. 1-105) general information on aids to navigation, signals and rules in foreign waters, port facilities, fisheries, coasts, wind, weather, ice conditions, currents, tides and tidal currents, sea lanes, and distance tables.

Pt. 2. Varanger Fiord to Kola Bay.

Pt. 3. Kola Bay.

Pt. 4. From Kola Bay to Svyatoy Nos.

Pt. 5. Svyatoy Nos to Varsukha.

Pt. 6. Kanin coasts and Mesen Bay.

Pt. 7. The Gorlo and Winter coast.

Pt. 8. Archangel Gulf.

Pt. 9. Onega Gulf.

Pt. 0. Kandalaksha Gulf.

Each part contains specific information on subjects covered in pt. 1, and (in addition) material on harbors, pilotage, anchorages, etc.

File seen: DN-HO.

5667. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Handbuch des sibirischen Seeweges. 1. Aufl. Abgeschlossen mit "Nachrichten für Seefahrer," Ausgabe 24 vom 30. Mai 1940. Berlin, 1940. xx, 128 p. illus. (incl. 3 charts, diagrs.) (*Its:* Nr. 2041) *Title tr.:* Sailing directions for the Siberian sea route. 1st ed. Including information covered by "Notices to mariners," through 24th issue, May 30, 1940. Supplement 1942, covering information through Dec. 1941, was issued in 1942 (15 p.)

Contains Russian-German glossaries of navigational and geographical terms, index charts to Russian and German hydrographic charts of the region, general directions for ice navigation, and information concerning navigation aids and dangers, port facilities and characteristics of the route from Murmansk to Vladivostok, with an index to place names.

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5668. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Handbuch des sibirischen Seeweges. 2. Aufl. Abgeschlossen mit "Nachrichten für Seefahrer," Ausgabe 24 vom 18. Juni 1943. Berlin, 1943. xxii, 167 p. illus. (incl. 4 charts) diagrs., 4 plates. (*Its:* Nr. 2041) *Title tr.:* Sailing directions for the Siberian sea route. 2d ed. Including information covered by "Notices to mariners," through 24th issue, June 18, 1943.

Contents similar to those of first edition (item above) with twenty additional pages on navigation of ice, and added information throughout the section on characteristics of the route.

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5669. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Handbuch für die West- und Nordküste Norwegens, II. Teil. Von Trondheim bis zur norwegisch-finnischen Grenze. 4. Aufl. Berlin, 1932. xx, 537 p. incl. tables. illus., 7 sketch charts. (*Its:* Nr. 2013) *Title tr.:* Sailing directions for the west and north coasts of Norway, pt. 2. From Trondheim to the Norwegian-Finnish boundary, 4th ed. *Supplements* issued annually to 1944, with data to Dec. 30, 1943.

Contains introductory section including a Norwegian-German vocabulary of nautical terms; a general information section on aids to navigation, the Nor-

wegian coasts, shipping lanes, German consulates, etc., and detailed sailing directions.

File seen: DN-HO (suppl. 1941 lacking).

5670. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Karten der Gezeitenströme für die West- und Nordküste Norwegens. Heft 15: Tromsund. (Vorläufige Ausgabe). Wilhelmshaven, 1944. 13 charts in one cover.

Title tr.: Charts of tidal currents for the west and north coasts of Norway. Pt. 15: Tromsø Sound. (Preliminary ed.)

Copy seen: DN-HO.

5671. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Die Naturverhältnisse des sibirischen Seeweges. Beilage zum Handbuch des sibirischen Seeweges. [Berlin] Oberkommando der Kriegsmarine, 1940. 169 p. illus. (charts) 5 plates, 2 fold. maps, diagrs. **Title tr.:** The natural conditions of the Siberian sea route. Prepared by the Deutsche Seewarte, Hamburg, and (p. 68-75) by the Marineobservatorium, Wilhelmshaven.

Contents tr.: A Geographic sketch.

B. Terrestrial magnetic conditions.

C. Climate and weather (monthly mean and extremes of temperature, pressure, wind direction and force, fog, cloud, precipitation, and weather (seasonal only)).

D. The ocean, conditions and movement; area, divisions, and depths; temperature and salinity; currents and tides.

E. The ice. 1. Types: arctic pack ice, fast ice, drift ice. 2. Properties: salinity, temperature and strength. 3. Effect of ice on air and sea water. 4. Distribution of ice from Barents Sea to Bering Strait, 1929-38. (notes and charts). 5. Ice conditions for individual seas.

F. Development of shipping along the Siberian sea route.

Maps include: Bathymetric chart of New Siberian Islands waters.

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5672. GERMANY. KRIEGSMARINE. OBERKOMMANDO. Spitzbergen-Handbuch. Berlin, E. S. Mittler & Sohn, 1916. xviii, 284 p. illus., 9 maps, 19 p. of chartlets, diagrs. (Its: Nr. 2014) **Title tr.:** Spitsbergen sailing directions.

Issued 1916 by the Reichs-Marine-Amt; 1920-21 by the Reichsverkehrsmministerium; 1923-35 by the Marineleitung; 1937-43 by Oberkommando der Kriegsmarine. **Supplements** issued 1920-21, 1923, 1926, 1929, 1935, 1937-40, 1943.

Sailing directions for waters of Bear Island, West Spitsbergen, and other islands of the Svalbard archipelago. Contains in pt. 1 (p. 1-94) general description of the discovery and exploration of West Spitsbergen, its resources, weather, animal life, currents, tides, water temperatures, driftwood, ice (drift ice, navigability, drift of ice, limits 1896-1914, charts of ice conditions May, June, July and Aug. 1896-1914 in Greenland and Barents Seas) and terrestrial magnetism.

Pt. 2. Bear Island.

Pt. 3. West coast of Spitsbergen.

Pt. 4. North coast from Smeerenburg Fiord to Hinlopen Strait.

Pt. 5. Hinlopen Strait, Northeast Land, King Karl's Land, Seven Islands and Olga Strait.

Pt. 6. Southeast coast of West Spitsbergen, Barents, Edge and Hope Islands, Freeman Sound and Stor Fiord.

Each part contains description of coasts, bays, fiords, anchorages, currents, and notes on wintering. Bibliography of source materials (44 items).

File seen: DN-HO.

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deutsche Seewarte. Atlas d. Dichte d. Meerwassers. 194-?

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deutsche Seewarte. Atlas d. Eisverhältnisse Nordatlantischen O. 1944.

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deutsche Seewarte. Atlas d. Vereisungsverhältnisse. 1942.

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deutsche Seewarte. Eis um Island u. Ost-Grönland. 1940.

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deutsche Seewarte. Monatskarten d. Eisverhältnisse Nordatlantischen O. 1940.

GERMANY. KRIEGSMARINE. OBERKOMMANDO, see also Hamburg. Deut-

sche Seewarte. Monatskarten 50°-70° Nordatlantischen Ozeans. 1940.

5673. GERMOGENOV, G. U. and I. D. MORUO. Samouchitel' ikutskogo fazyka, Yakutsk, Izd. ikutskoe gosudarstvennoe izd-vo, 1931. 106 p. *Title tr.*: The Yakut language self-taught. Second edition.

Seventeen lessons in the Yakut language for Russians, the second part containing a key to the exercises in the first part. *Copy seen*: NN.

5674. GERNET, E. S. Hidrograficheskie raboty na "Sadko". (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetским flagom, 1935. p. 123-39, illus., tables, diagrs.) *Title tr.*: Hydrographic work done by the ice-breaker *Sadko*.

A description of methods of oceanographic observations made in Kara Sea in summer, 1934, with tables of newly established depths, the latter indicated on four sea maps (diagrs.)

Copy seen: DLC.

5675. GERNET, E. S. Sposob opredeleniia napravleniia i velichiny snosa na sudakh dreifuushchikh so l'dom. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovetским flagom, 1935. p. 140-50, tables, diagrs.) *Title tr.*: A method of determining the direction and degree of drift, for ships in ice fields.

A discussion of the methods of calculation, and their use on the ice-breaker *Sadko*'s 1934 expedition to Kara Sea. *Copy seen*: DLC.

GERNET, E. S., see also Sergeevskii, B. A. Novye navigatsionnye karty. 1935.

5676. GERSHMAN, I. G. Gol'fstrim i ego vliianie na klimat. (Meteorologiya i gidrologiya, 1939, no. 7-8, p. 12-22, diagr.) *Title tr.*: The Gulfstream and its influence on the climate.

Discussion of the influences of the Gulf Stream in ameliorating ice conditions and the climate of northwestern and northern Europe.

Copy seen: DLC.

5677. GERSTÄCKER, A., and ADOLF PANSCH. Hymenopteren und Dipteren. (In: Geographische Gesellschaft in Bremen. Die Zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 404-406)

List with synonymy, localities, and habitats, of three hymenopterous and four dipterous insects from northeastern Greenland. *Copy seen*: DLC.

5678. GERSTENBERG, JOACHIM. Thule; eine Fahrt nach Grönland. Hamburg, Broschek & Co. [1938] 156 p. incl. illus. (map) 32 plates, incl. ports. 22.5 x 20.5 cm. *Title tr.*: Thule; a trip to Greenland.

Contains text on the Thule settlement, other towns along the west coast of Greenland, and on the Polar Eskimos, prepared to accompany the illustrations and plates, reproduced from photographs of Eskimos, scenery, fishery and white officials in Thule (a few elsewhere).

Copy seen: DLC; NNStef.

5679. GERSTENBERGER, LIBORIUS, 1864-. Über Island nach Spitzbergen. Polarfahrt auf dem "D. Grosser Kurfürst" des Nordd. Lloyd im Jahre 1913. Reise-Erzählung. [Würzburg, Fränkische Gesellschafts-Druckerei, 1913?] 166, [1] p. 33 plates (incl. map) *Title tr.*: Via Iceland to Spitzbergen. Polar cruise of *D. Grosser Kurfürst*, of North German Lloyd, 1913. Narrative of the cruise.

Description of a tourist voyage from Edinburgh to Svalbard and return by Norwegian coastal waters; includes notes on scenery of northwestern West Spitzbergen.

Copy seen: NN; NNStef.

GERTS, O. F., see HERZ, OTTO, 1853-1905.

5680. GERTSENSHTEIN, SOLOMON MARKOVICH, 1854-1894. Materialy k faune Murmanskago berega i Bfela moria. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1885. T. 16, vyp. 2, p. 635-814) *Title tr.*: Materials for the fauna of the Murman coast and White Sea.

Contains an enumeration of one hundred sixty-six marine molluscs of the White and Barents Seas (Muran coast waters) with synonymy, critical notes and data on distribution, based on the author's investigations in 1880 and 1884, and on collections of other zoologists; comparison with molluscan fauna of Greenland, West Spitzbergen, Novaya Zemlya and Kara Sea, arctic element of this fauna; in supplement: a list of forty-six species of molluscs

of the same region collected by N. F. Danilevskii, notes on some Greenland species, and a bibliography (20 items). Summary in German.

Copy seen: DLC.

5681. GERTZ, OTTO DANIEL, 1878- . Anton Rolandsson Martin. Några ord om de första anteckningarna till Spetsbergens flora i svensk litteratur. (Botaniska notiser, 1916, häfte 5, p. 233-36) *Title tr.:* Anton Rolandsson Martin. A few words about earliest data on flora of Spitsbergen in Swedish literature.

Contains historical data on the Swedish naturalist and arctic explorer A. R. Martin, his trip to the northern coast of Norway and West Spitsbergen in 1758, and the first information on the flora of Spitsbergen, published in his report.

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5682. GERTZ, OTTO DANIEL, 1878- . Ett för Skandinavien nytt zoocetidum, *Perrisia alpina* F. Löw å *Silene acaulis* L. (Svensk botanisk tidskrift, 1919. Bd. 13, häfte 2, p. 215-20, illus.) *Title tr.:* A new for Scandinavia zoocetidum, *Perrisia alpina* F. Löw on *Silene acaulis* L.

Contains an anatomical study of *Perrisia alpina* a gall new for Scandinavia, found on *Silene acaulis* near Narvik, in Norway, in 1916.

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5683. GERTZ, OTTO DANIEL, 1878- . Några äldre litteraturuppgifter om *Vaccinium vitis idaea* L. f. *leucocarpa* Asch. et Magn. (Svensk botanisk tidskrift, 1919. Bd. 13, häfte 1, p. 109-110) *Title tr.:* Some data from the older literature on *Vaccinium vitis idaea* L. f. *leucocarpa* Asch. et Magn.

Contains data from various old botanical works describing or mentioning a form of blueberries, *Vaccinium vitis idaea* L. f. *leucocarpa*, native to Swedish Lapland.

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5684. GERTZ, OTTO DANIEL, 1878- . Några fyndortsanteckningar för Västerbotten och Lapland från 1780-talet. (Botaniska notiser, 1946, häfte 3, p. 387-88) *Title tr.:* Notes on some plant localities in Västerbotten and Lapland from a report made in 1780.

Contains a list of fifteen flowering plants collected in 1780 by a pharmacist J. P. Freijer (Umeå) in Västerbotten and Lapland; this list is ap-

pended to Linné's *Flora suecica*, ed. 2, 1755, deposited in Geologo-Mineralogical Institute, Lund, Sweden.

Copy seen: MH-A.

5685. GERTZ, OTTO DANIEL, 1878- . Några lappländska zoocecidier. (Botaniska notiser, 1916, häfte 2, p. 75-78, plate 1) *Title tr.:* Zoocecidia of Lapland.

Contains data on galls of various plants (*Populus tremula*, *Salix lapponum*, *Eriophyes tetanotrix* and *Cerastium alpinum* var. *glabrum*) collected in 1914-15 by J. Frödin in Lule and Torne Lappmark, northern Sweden.

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5686. GESELLSCHAFT FÜR ERD-KUNDE ZU BERLIN. Deutsche Grönland-Expedition Alfred Wegener. Gedächtnisfeier für Alfred Wegener und Begrüssung der heimgekehrten Grönland-Expedition am 9. Januar 1932, veranstaltet von der Notgemeinschaft der Deutschen Wissenschaft und der Gesellschaft für Erdkunde zu Berlin, sowie vorläufige Einzelberichte. (Its: Zeitschrift, 1932. p. 81-145, illus., port., 2 plates, diagr.) *Title tr.:* The German Greenland Expedition Alfred Wegener. Memorial for A. Wegener and a greeting for the members of the expedition, which returned Jan. 9, 1932. *Contents tr.:* Behncke, P. Greetings to the expedition.

KOHLSCHÜTTER, E. Memorial to Alfred Wegener.

WEGENER, K. Preliminary report on the expedition.

Schmidt-Ott, F. Conclusion.

Preliminary reports. Kopp, W. Work of the East Station.

Georgi, J. Meteorological work of the Mid-Ice Station.

Holzappel, R. Meteorological work of the West Station.

Weiken, K. Gravity measurements and trigonometric leveling.

Loewe, F. Ablation and growth measurements.

Brockamp, B. Work of the seismic group, West Station: Wölcken, Herdemerten, Brockamp.

Sorge, E. Glaciological research at the Mid-Ice Station.

Jülg, H. Glaciological research at the West Station.

Schif, C. The propeller-driven sledge. The papers by E. Kohlschütter and

K. Wegener appear in this Bibliography under the authors' names.

Copy seen: DLC.

5687. GESELLSCHAFT FÜR ERDKUNDE ZU BERLIN. Grönland-Expedition der Gesellschaft für Erdkunde zu Berlin, 1891-1893, unter Leitung von Erich von Drygalski. Berlin, W. H. Köhl, 1897. 2 v. (Bd. 1: xix, 555 [1] p. 44 plates, 8 maps; Bd. 2: x, 571 p. 9 plates, 1 map) *Title tr.:* Greenland Expedition of the Geographical Society of Berlin 1891-1893, under the leadership of Erich von Drygalski.

The expedition consisted of a preliminary expedition by Drygalski and Otto Baschin in 1891, to locate a base (Umanak Fiord) and a main expedition, May 1892-Oct. 1893, by Drygalski, Ernst Vanhöffen, and Hermann Stade, to carry out glaciological, natural history, and meteorological studies. Stations were established and research carried out on the north coast of Nugssuak Peninsula, Karajak Nunatak and Alangorsuak Peninsula (east end of Karajak Fiord, about 70°25'N.). *Contents tr.:* v. 1. DRYGALSKI, E. v. Greenland's ice and foreland. v. 2, pt. 1. VANHÖFFEN, E. The fauna and flora of Greenland.

v. 2, pt. 2. STADE, H., and E. v. DRYGALSKI. Terrestrial magnetism, meteorology, astronomy and geodetic work at Umanak Fiord.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DLC.

5688. GESSAIN, ROBERT, 1907-. Les Esquimaux du Groenland à Alaska. Paris, Bourelle [1947] 121 p. illus., map (La joie de connaître) *Title tr.:* The Eskimos from Greenland to Alaska.

Result of the author's sojourn among the Eskimo of Angmagssalik, 1934-35 with a four-man party under Paul-Emile Victor, sent by the Musée de l'Homme to East Greenland. He describes these Eskimos' way of life, the kayaks, summer nomadism, seal hunting, women's and men's work, games, gathering and fishing, the wintering, etc.; contact with white men; the life cycle birth-death. Includes (p. 83-117) notes on other Eskimo groups of Greenland, Canada and Siberia, and numerous illustrations throughout, based on the party's photographs and on draw-

ings in the Collection Schneider, Musée de l'Homme, Paris.

Copy seen: DLC.

5689. GESSEN, IŮ. Po sledam istoricheskikh kart: 1. Novaiâ Zemliâ na starinnykh kartakh. 2. Severnyi Ledovityi okean na kartakh N. Vitsena. (Vsesoiŭznoe geograficheskoe obshchestvo. Izvestiia, 1939. T. 71, vyp. 6, p. 920-30, illus. facsim.) *Title tr.:* On the trail of historical maps: 1. Novaya Zemlya on early maps. 2. The Arctic Ocean on maps by N. Witsen.

A discussion and description of early maps of Novaya Zemlya of Russian and Dutch origin. *Copy seen:* DLC.

5690. GEVORKIAN, R. G., and E. I. CHAPLYGIN. O vetrovom dreife vody i lediannykh polei. (Problemy Arktiki, 1940, no. 9, p. 5-18, diagrs.) *Title tr.:* On wind-drift of water and ice fields.

Copy seen: DLC.

5691. GEVORKIAN, R. G., and E. I. CHAPLYGIN. Svobodnyi dreif lediannykh polei. (Problemy Arktiki, 1940, no. 11, p. 5-22, illus., tables) *Title tr.:* The free drift of ice fields.

Discussion of the theories of Sverdrup and Shuleikin (Shuleikin, V. V., *The drift of ice fields*, 1938, q.v.), and the author's conclusion on determining the elements of free drift of ice under given wind conditions. Bibliography (8 items).

Copy seen: DLC.

GHOBI, CHRISTOPH, *see* GOBI, KHRISTOFOR IAKOVLEVICH, 1874-1920.

5692. GIAEVER, JOHN. Kaptein Ragnvald Knudsens Ishavsferder; sammenarbeidet efter hans dagbøger, rapportor m.v. Oslo, J. Dybwad, 1937. 137 p. illus. (incl. 2 sketch charts) (Norway. Norges Svalbard- og Ishavsundersøkelser. Meddelelse nr. 38) *Title tr.:* Captain R. Knudsen's Arctic Ocean voyages; compiled from his journal and reports.

Records of a sealing captain who operated in the northern Greenland Sea and along the east coast of Greenland, 1886-93. Includes account of his wintering at Scoresby Sound with the Ryder Expedition, 1891-92.

Copy seen: NNA.

5693. GIAEVER, JOHN. Norges Svalbard- og Ishavsundersøkelser ekspedisjoner til Øst-Grønland sommeren

1937. (Norsk geografisk tidsskrift, 1936-37, pub. 1937. Bd. 6, p. 405-12) *Title tr.*: The expeditions of the Norwegian Svalbard Research Office to East Greenland during the summer of 1937. Issued also as Norges Svalbard- og Ishavs- undersøkelser. Meddelelse nr. 41.

Account of the expedition in the *Polarbjørn* to the Franz Joseph Fiord region of northeast Greenland, and a brief note on the expedition to the Skjoldungen Island region of southeast Greenland. *Copy seen*: DLC.

5694. GIAEVER, JOHN. Den norske fangstvirksomheten paa Østgrønland. København, Ejnar Munksgaard, 1939. 55 p. 10 plates (incl. 3 maps). (Dansk og norsk fangstvirksomhed paa Østgrønland, del B. Pub. in Publikationer om Østgrønland, nr. 8) *Title tr.*: Norwegian trapping activities in East Greenland.

Contains summary accounts of Norwegian expeditions to East Greenland, 1893-1939, chiefly for trapping purposes; activities of the Norwegian trapping company "Arktisk naerings-drift" in the region between about 72°-45' and 74°30'N.; with remarks on Norwegian scientific investigations, erection of meteorological stations; catch of wintering expeditions, 1908-1938, trapping and conservation regulations, etc.; bibliography (14 items).

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5695. GIANINI, CHARLES A. Some Alaska Peninsula bird notes. (Auk, Oct. 1917. v. 34, p. 394-402).

Annotated list of fifty species observed during a hunting trip, May-July, 1917, on the south side of the western end of the peninsula.

Copy seen: DSI-M.

5696. GIBB, W. K. Eight hundred miles on the Yukon. (Canadian geographical journal, Mar. 1934. v. 8, p. 122-34, illus.)

Account of a journey over the trail followed during the Gold Rush of 1898, to Whitehorse, and thence down the Lewes and Yukon Rivers to Circle City, Alaska, with descriptions of placer gold mining.

Copy seen: DLC.

5697. GIBBEN, JOHN EDWARD, 1894-. Mining activity in Yukon. (Western miner, Dec. 1947. v. 20, no. 12, p. 34-36)

Review of progress during 1947 in placer and quartz gold mining.

Copy seen: DGS.

5698. GIBBEN, JOHN EDWARD, 1894-. Optimism in Yukon. (Western miner, Apr. 1947. v. 20, no. 4, p. 67-68)

Review of gold mining progress in the 1946 season.

Copy seen: DGS.

5699. GIBBINS, GWYNN G. A trip to Great Slave Lake. (Canadian mining journal, 1915, v. 36, p. 168-71, 205-09, illus.)

Account of a barge and canoe trip from Athabaska to Fort Resolution, on Great Slave Lake via Athabaska and Slave Rivers, with general remarks on the country and on the Chipewyan and Digrib Indian.

Copy seen: DGS.

GIBBONS, J. E., *see* Brown, M., & others. Note on trichinosis animals Canadian N. W. T. 1949.

GIBBONS, J. E., *see also* Brown, M., & others. Trichinosis on Southampton I., N. W. T. 1949.

5700. GIBBS, GEORGE, 1815-1873. Notes on the Tinnéh or Chippewyan Indians of British and Russian America. 1. The eastern Tinnéh, from a ms. by Bernard R. Ross. 2. The Loucheux Indians, by William L. Hardisty. 3. The Kutchin tribes, by Strachan Jones. Communicated by George Gibbs. (In Smithsonian Institution. Annual report. 1866, pub. 1867. p. 303-327. illus.)

Contains Gibbs' note on names and distribution of some Athapaskan tribes. The papers by Ross, Hardisty and Jones appear in this Bibliography under their authors' names.

Copy seen: DLC.

GIBBS, GEORGE, 1815-1873, *see also* Dall, W. H. Tribes of extreme Northwest. 1877.

5701. GIBSON, ARTHUR, 1875-. Lepidoptera. Ottawa, King's Printer, 1920. 58 p. 6 plates (part col.) (Canadian Arctic Expedition, 1913-1918. Report. v. 3: Insects, Pt. 1)

List, with some descriptions, and notes on distribution, of one hundred fourteen (including nine new) species (mostly butterflies) representing collections of the Canadian Arctic Expedition and other parties, along the arctic coast of Alaska, Yukon, and Northwest Territories.

Copy seen: DSI-M.

GIBSON, F. J. B., *see* Great Britain. Hydrographic Dept. S & E Korea, Siberia & Okhotsk pilot. 1944.

5702. GIBSON, LANGDON. Bird notes from North Greenland. (Auk, July 1922. v. 39, p. 350-63)

Field notes for twenty-nine species of birds, made by the author, during the Peary Expedition, 1891-92 in the McCormick Bay region. A report, without these notes, was published by Witmer Stone, *List of birds collected in North Greenland* (etc.), 1895, q.v.

Copy seen: DSI-M.

5703. GIBSON, REX A. Arctic and sub-arctic regions of Canada. (Industrial Canada, May 1948. v. 49, no. 1, p. 58-61, illus.)

"The history, development and future prospects of Northwest Territories and the regions north of the tree line." This general sketch includes the arctic islands. *Copy seen:* CaMAI; DLC.

5704. GIBSON, REX A. Mt. McKinley in war time. (Canadian alpine journal, 1943. v. 23, p. 147-58, 3 plates)

Account, by the Canadian Army observer, of the McKinley Expedition 1942, carried out by the U. S. Army to test equipment for use of mountain and ski troops. The personnel was composed of military men and civilian experts of the U. S. and Canada. Supplies were delivered by air and parachutes. This account includes descriptions of the terrain, and climbing conditions, and a report of an ascent made by four members of the expedition.

Copy seen: DLC.

GIBSON, REX A., *see also* Canada. Dept. of Mines & Resources. Lands & Forests Branch. Physical geography Canadian Eastern Arctic. 1945.

5705. GIBSON, WILLIAM. Amundsen in King William Land. (Beaver, June 1940. Outfit 271, no. 1, p. 32-38, illus., port., sketch map)

Notes on Amundsen's preparations for the *Gjøa* Expedition, 1903-06, and some details of the wintering at Gjøa Haven on King William Island in the Canadian Arctic.

Copy seen: DSI-M.

5706. GIBSON, WILLIAM. Prehistoric wanderings of the Eskimos. (Beaver, Dec. 1939. Outfit 270, no. 3, p. 18-23, illus.)

Discussion of questions still remaining and some of the answers clarified by modern research, on migrations of North American Eskimos.

Copy seen: DSI-M.

5707. GIBSON, WILLIAM. Sir John Franklin's last voyage. A brief history of the Franklin Expedition and an outline of the researches which established the facts of its tragic outcome. (Beaver, June, 1937. Outfit 268, no. 1, p. 44-75, illus., sketch map)

The author, long a student of the Franklin expedition literature, and resident in the Arctic for twelve years, reviews the known facts concerning the expedition itself, and the search expeditions, up to the present time. Includes a list of references used (18 items).

Illus. include a diagram with illus. and tabular data, showing the Eskimo groups in the vicinity of King William Island (p. 71). *Copy seen:* DSI-M.

5708. GIBSON, WILLIAM. Some further traces of the Franklin retreat. (Geographical journal, May 1932. v. 79, p. 402-08)

Account of an overland journey along the south coast of King William Island, from Gjøa Haven to the western entrance of Simpson Strait June-July 1931. Includes description of the geographic features along the route, with remarks on relics and remains of the Franklin party.

Copy seen: DLC.

5709. GIDDINGS, JAMES LOUIS, 1909-. The application of tree-ring dates to arctic sites. (Tree ring bulletin, Oct. 1940. v. 7, no. 2, p. 10-14)

Brief discussion of problems of tree-ring dating in the Arctic, and announcement of first dates obtained from driftwood timbers in houses at Kukulik, St. Lawrence Island, Alaska (dates 1691-1861), Point Hope (1756-1929) and Diomed and King Islands (1826-1935).

Copy seen: DA; DLC.

5710. GIDDINGS, JAMES LOUIS, 1909-. Dendrochronology in northern Alaska. [Tucson, Ariz.] Pub. jointly by the University of Arizona and the University of Alaska, 1941. 107 p. incl. illus. (incl. map) tables. diagrs. (part fold.) (Arizona. University. Bulletin, Oct. 1, 1941. v. 12, no. 4; Laboratory of tree-ring research. Bulletin no. 1. Also published as Alaska. University. Publications, v. 4)

General discussion of methods and results of cross-dating living trees and driftwood timbers from archeological sites in the Arctic, for purpose of dating. The author was first to make such tree-ring studies in the Arctic, in 1937.

Contents: Procedures and techniques; the collections (timbers from the Alaska Range, Yukon Highlands, river bottom sites, central Alaska, northern Alaska); climatological studies (uniformity, cross-dating principle, altitude and latitude effect, topographic influence, temperature indications); archeological studies (sites containing driftwood and sites in timbered area); buried wood in the silt deposits; interglacial wood, etc.; summary; appendix; bibliography p. 106-107. *Copy seen:* DLC; DSI-E.

5711. GIDDINGS, JAMES LOUIS, 1909-. Early flint horizons on the north Bering Sea coast. Washington Academy of Sciences. Journal, Mar. 15, 1949, v. 39, p. 85-89, 4 illus.)

Describes microlithic flints found underlying a prehistoric Eskimo site (Iyatayet) on Cape Denbigh, Norton Sound. They resemble somewhat flints from ancient sites in interior Alaska, on Kluane Lake in Yukon Territory, and in the Gobi Desert in Mongolia. *Copy seen:* DSI-M.

5712. GIDDINGS, JAMES LOUIS, 1909-. A plan for mapping arctic sea currents. (Geographical review, Apr. 1943, v. 33, p. 326-27)

Suggests mapping currents by dating driftwood from Alaskan shores: comparing its tree rings with those of living trees of the Mackenzie basin. Suggests also similar tree-ring mapping of Siberian rivers.

Copy seen: DLC.

GIDDINGS, JAMES LOUIS, 1909-. *see also* Skarland, I., & J. L. Giddings. Flint stations central Alaska. 1948.

5713. GIDLEY, JAMES WILLIAMS, 1866-1931. Notice of the occurrence of a Pleistocene camel north of the Arctic Circle. Washington, Smithsonian Institution, 1913. 1 p. l., 2 p. (Smithsonian Miscellaneous Collections, v. 60, no. 26) *Its:* Publication 2173.

Note on fossils found in Yukon Territory near the international boundary, 1912.

Copy seen: DLC.

GIDLEY, JAMES WILLIAMS, 1866-1931, *see also* Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

GIDRO-METEOROLOGICHESKII OTDEL UBEKO-SEVER. BIURO PO. GODY, *see* Snezhinskii, V. A., & B. S. Vorontsov. Ledokhod 1927 g. v del'te r. Sev. Dviny. 1927.

GIDRO-METEOROLOGICHESKII OTDEL UBEKO-SEVER. BIURO PO. GODY, *see* Snezhinskii, V. A., & Vorontsov, B. S. Ledokhod 1928 g. n. r. Sev. basseina, I. 1928.

GIENEF, I. D. BOGDANOVSKAIA, *see* BOGDANOVSKAIA-GIENEF, I. D.

5714. GIESBRECHT, WILHELM, 1854-1913. Pelagische Copepoden. (*In:* Kükenthal, W. Beiträge zur Fauna Spitzbergens. Pub. in: Archiv für Naturgeschichte, 1889. Jahrg. 55, Bd. 1, p. 163-64) *Title tr.:* Deep sea Copepoda. (Contributions to Spitsbergen fauna)

Notes on four species of copepods taken by Dr. Kükenthal, in the waters of northern Greenland Sea, 1886.

Copy seen: DSI-M.

GIESE, W., *see* International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Beobachtungen-Ergebnisse d. deutschen Stationen. 1886.

5715. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Bericht einer mineralogischen Reise in Grönland. (*In his:* Karl Ludwig Gieseckes mineralogisches Reisejournal über Grönland, pt. 2. Pub. in: Meddelelser om Grönland, 1910. 35. hefte, p. 1-478) *Title tr.:* Report on a mineralogical journey in Greenland.

Second edition of the diary first published in 1878, q.v. *Copy seen:* DLC.

5716. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Bericht einer mineralogischen Reise in Grönland, in Form eines Tagebuches. (*In his:* Gieseckes Mineralogische rejse i Grönland, 1878. 2. del, p. 1-332) *Title tr.:* Report of a mineralogical journey in Greenland, in the form of a diary.

First (and posthumous) publication from the manuscript copy in the archives of the Royal Greenland Trading Co. (Kgl. Grønlandske Handels Archiv, og Universitetsbibliothek), Copenhagen, of the comprehensive primary records of Giesecke's work in Greenland. Published papers and lec-

tures during his life time, though important sources of information on Greenland to his contemporaries were relatively limited in scope in comparison with this diary. It is a day-to-day record 1806-1813, of the author's eight trips along the west coast of Greenland as far north as 73°50'N. to investigate mineral deposits, collect specimens, etc. It includes descriptions of the localities visited, their geology, physical geography, plant and animal life, remarks upon the Eskimos, their folklore, and language. *Copy seen:* DLC.

5717. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Catalogue of a geological and geographical collection of minerals from the arctic regions, from Cape Farewell to Baffin's Bay. Lat. 59°14'N., to 76°32'N. (Royal Dublin Society. Journal, 1860-61, pub. 1862. v. 3, p. 198-215)

Contains a list of three hundred fifty-six minerals from two hundred nineteen localities along the coasts and coastal islands of southeastern, southern, and western Greenland, with a reference for the position of certain localities, to the map in the author's *On the Norwegian settlements on the eastern coast of Greenland* (etc.), 1824.

Copy seen: DLC.

5718. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Einige Worte über und für Grönlands Aufkommen, 1818. (*In his:* Karl Ludwig Gieseckes mineralogisches Reisejournal über Grönland, pt. 4. Pub. in: Meddelelser om Grönland, 1910. 35. hefte, p. 479-90. *Title tr.:* A few introductory remarks on Greenland.

Addresses to the king, a description of various regions in West Greenland, here published for the first time.

Copy seen: DLC.

5719. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Gieseckes Mineralogiske rejse i Grönland, ved F. Johnstrup. Med et tillæg om de grønlandske stednavnes retskrivning og etymologi af dr. H. Rink. Kjøbenhavn, B. Lunos bogtrykkeri, 1878. xxvii, 372 p. 3 fold. maps. *Title tr.:* Giesecke's mineralogical journey in Greenland, ed. by F. Johnstrup. With a supplement on the orthography and etymology of Greenlandic place names, by Dr. H. Rink. *Contents tr.:* JOHNSTRUP, F. Intro-

duction with biographical information on Giesecke (*in Danish*).

GIESECKE, C. L. Report on a mineralogical journey in Greenland (*in German*).

GIESECKE, C. L. Mineralogical geology of Greenland (*in English*).

RINK, H. J. Orthography and etymology of Greenland place names (*in Danish*).

JOHNSTRUP, F. Localities, investigated by Giesecke (*in Danish*).

Each part appears in this Bibliography under the author's name.

Copy seen: DLC.

5720. GIESECKE, Sir CHARLES LEWIS, 1761-1833. Karl Ludwig Gieseckes Mineralogisches Reisejournal über Grönland. 1806-13. 2., vollständige Ausg. [Kjøbenhavn, C. A. Reitzel] 1910. 4 p. l., xxxvii, 532 [8] p. illus., 2 pl., 2 port. (Meddelelser om Grönland, 35. hefte) *Title tr.:* Karl Ludwig Giesecke's mineralogical travel journal on Greenland, 1806-13, 2d. complete ed.

Another edition of the item above, with new introductory matter, Giesecke's diary as in the first edition, a new minor paper by Giesecke and a new list and commentary on his place names, etc. *Contents tr.:* STEENSTRUP, K. J. V. Introduction and biographical notice (*in German*).

GIESECKE, Sir C. L. Report on a mineralogical journey in Greenland.

GIESECKE, Sir C. L. A few introductory remarks on Greenland, 1818.

BØGGILD, O. B. Localities mentioned by Giesecke.

THALBITZER, W. Greenland place names in Giesecke's travel journal.

Each part appears in this Bibliography under its author's name.

Copy seen: DLC.

5721. GIESECKE, Sir CHARLES LEWIS, 1761-1833. The mineralogical geology of Greenland. (*In his:* Gieseckes Mineralogiske rejse i Grönland, 1878. 3. del, p. 333-47)

Extract from the author's article "Greenland" in Brewster's *The Edinburgh encyclopaedia*, 1816, containing description of the granite, gneiss and other rock formations.

Copy seen: DLC.

5722. GIESECKE, Sir CHARLES LEWIS, 1761-1833. On cryolite; a fragment of a journal. (Edinburgh philosophical journal, Jan. 1822. v. 6, p. 141-44)

An account of the first location of this mineral in the Ivigtut region of southwest Greenland, 1806, with description of the surrounding rocks and the mineral itself. *Copy seen:* DLC.

5723. GIESECKE, Sir CHARLES LEWIS, 1761-1833. On the mineralogy of Disko Island. (Royal Society of Edinburgh. Transactions, 1823. v. 9, p. 263-72) Paper read before the society, April 1814.

Contains a general description of the island's petrologic features and a briefly annotated list of twenty-three minerals, found in the rocks.

Copy seen: DLC.

5724. GIESECKE, Sir CHARLES LEWIS, 1761-1833. On the Norwegian settlements on the eastern coast of Greenland, or Osterbygd, and their situation. (Royal Irish Academy. Transactions, 1825. v. 14, pt. 2, Antiquities, p. 47-56, fold. map)

Paper read before the Society, Jan. 26, 1824, giving the author's views on the manner in which the earliest Norse settlers perished. Includes a list of names of the settlements, and a few notes on the extent of the colony "Osterbygden", or eastern settlement (later shown to be the more easterly of two Norse colonies on the west coast of Greenland.

Copy seen: DLC.

5725. GIESECKE, Sir CHARLES LEWIS, 1761-1833. On the temporary residences of the Greenlanders during the winter season, and on the population of North and South Greenland, (Edinburgh philosophical journal, June 1819. v. 1, p. 117-20)

Lists of inhabited places and numbers of residents, in 1810-13 along the West Greenland coast from Julianehaab to Tessiursak (60°40'-74°15'N.)

Copy seen: DLC.

GIESECKE, Sir CHARLES LEWIS, 1761-1833, *see also* Laube, G. C. Geologische Beobachtungen Süd-Grönland. 1873.

GIESECKE, Sir CHARLES LEWIS, 1761-1833, *see also* O'Reilly B. Greenland & NW. Passage. London, 1818.

GIESECKE, Sir CHARLES LEWIS, 1761-1833, *see also* O'Reilly B. Greenland & NW. Passage. N. Y. 1818.

GIESECKE, Sir CHARLES LEWIS, 1761-1833, *see also* Scoresby, W. Jour-

nal voyage to northern whale-fishery. 1823.

GIESECKE, F., *see* Blanck, E. & F. Giesecke. Über Verwitterung u. Bodenbildung Spitzbergen. 1933.

GIESECKE, KARL LUDWIG, *see* GIESECKE, Sir CHARLES LEWIS, 1761-1833.

5726. GIFFEN, NAOMI MUSMAKER. The rôles of men and women in Eskimo culture. Chicago, Ill., The University of Chicago Press [1930] xii, 113 p. (The University of Chicago publications in anthropology. Ethnological series)

Based on published literature concerning the Eskimos, and observations of early explorers and travelers. Chapters on: (1) procuring of food; (2) food and its preparation; (3) transportation; (4) building and care of houses; (5) manufacturing; (6) property and inheritance; (7) clothing and ornament; (8) non-material culture; (9) miscellaneous; (10) conclusion (including table summarizing data). Bibliography (240 items).

Copy seen: DLC; NNSf.

5727. GIKISH, K. Katalog vysot Aziatskoï Rossii i nêkatorykh prilëgaûshchikh stran Azii. Sanktpeterburg, 1901. v. 492, [2] p. (Vsesoiûznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii, T. 31, no. 2) *Title tr.:* Catalog of the altitudes of Asiatic Russia and some adjoining Asiatic countries.

Exhaustive bibliography of Russian and foreign works (and some unpublished material), each item followed by list of places cited and the altitude of each. Includes an index of places (p. 396-492). Perhaps five hundred of the localities are in arctic and subarctic regions.

Copy seen: DLC.

5728. GIKISH, K. Orograficheskii ocherk Sîvernoï Sibiri. Sanktpeterburg, 1897. 62, [1] p. (Vsesoiûznoe geograficheskoe obshchestvo. Zapiski po obshchei geografii, 1901. T. 31, no. 1) *Title tr.:* Geographic sketch of northern Siberia.

The character of the land (by regions), particularly of mountains, mainly from the point of view of altitudes.

Copy seen: DLC.

5729. GILBERG, AAGE, 1909-. Eskimo doctor. [1st American ed.] New York, W. W. Norton [1948] 229 p. 16 plates incl. ports., maps. Translation of his *Verdens nordligste laege*, 1943, q.v. Also published in London, by Allen & Unwin, 1948.

Copy seen: DLC; NNS Stef.

5730. GILBERG, AAGE, 1909-. *Verdens nordligste laege*. København, S. Hasselbalch, 1943. 167, [1] p. illus. (incl. maps) plates, ports. First published in 1940. Also published in English as his *Eskimo doctor*, 1948.

Account of the author's two-year sojourn as the first government doctor among the Polar Eskimos of Thule, 1938-40. He gives in detail, a realistic picture of modern life of this group.

Copy seen: DLC; NNS Stef.

5731. GILBERT, CHARLES HENRY, 1859-1928. Description of a new species of *Bathymaster* (*B. jordani*) from Puget's Sound and Alaska. (U. S. National Museum, Proceedings, 1888, pub. 1889, v. 11, p. 554)

Description based on specimens of this fish from waters off Fort Wrangell, Alaska.

Copy seen: DLC.

5732. GILBERT, CHARLES HENRY, 1859-1928. Experiments in tagging adult red salmon, Alaska Peninsula fisheries reservation, summer of 1922. (U. S. Fish and Wildlife Service, Bulletin of the U. S. Bureau of Fisheries, 1923-24, pub. 1924, v. 39, p. 39-50, plate)

Contains an account of tagging, carried out on both sides of the peninsula, with tables of recoveries.

Copy seen: DF.

5733. GILBERT, CHARLES HENRY, 1859-1928. The ichthyological collections of the steamer Albatross during the years 1890 and 1891. Report on the fishes collected in the Bering Sea and the North Pacific Ocean during the summer of 1890. (U. S. Fish and Wildlife Service, Report of the Commissioner of Fish and Fisheries, 1893, pub. 1895, p. 393-476, 16 plates)

Based on beam trawl hauls taken in depths from 19 to 578 fathoms, during a cruise from a point south of Sannak Islands westward through Unimak Pass to Unalaska, the shallow waters of Bristol Bay, the depressed basin of western part of Bering Sea, and

northward to Unalaska. (Also hauls from waters between Unalaska and Vancouver Island, and off the coasts of Washington, Oregon, and northern California). Contains a list, with localities and notes of one hundred fifty-eight (including, with full descriptions, forty-five new) species, for the area from Bering Sea to Oregon. Of the new species, thirty-nine occurred in Bering Sea or Aleutian waters.

Copy seen: DF.

5734. GILBERT, CHARLES HENRY, 1859-1928. Kamchatka sea eagle at Kodiak, Alaska. (Condor, Mar. 1922, v. 24, p. 66, illus.)

Copy seen: DSI-M.

5735. GILBERT, CHARLES HENRY, 1859-1928. The salmon of the Yukon River. (U. S. Fish and Wildlife Service, Bulletin of the U. S. Bureau of fisheries, 1921-1922, pub. 1923, v. 38, p. 317-32, 18 plates) U. S. Bureau of fisheries. Doc. 928.

Report (in part) of an investigation made in 1920 into whether abundance of the salmon run warranted commercial fisheries in the Yukon River. One phase of the situation was reported as the author's *Investigation of the salmon fisheries of the Yukon River*, 1921, q.v. This (1923) paper presents data on growth-history, the ages at which the fish reach maturity, and the rate of travel, for the king, chum, sockeye, coho, and humpback salmon.

Copy seen: DF.

5736. GILBERT, CHARLES HENRY, 1859-1928, and C. V. BURKE. Fishes from Bering Sea and Kamchatka. (U. S. Fish and Wildlife Service, Bulletin of the U. S. Fish Commission, 1910, pub. 1912, v. 30, p. 31-96, illus.)

Based on collections made during the cruise of the *Albatross* in 1906, along the Aleutian chain, around the Commander Islands, and at Petropavlovsk, Kamchatka. A list, with localities, and notes, of one hundred twenty-one (including with descriptions, forty-three new) species.

Copy seen: DF.

5737. GILBERT, CHARLES HENRY, 1859-1928, and W. H. RICH. Investigations concerning the red-salmon runs to the Karluk River, Alaska. (U. S. Fish and Wildlife Service, Bulletin of the U. S. Fisheries Bureau, 1927, pub. 1929, v. 43, pt. 2, p. 1-69, 15 plates, fold. sketch map) U. S. Bureau of Fisheries. Doc. 1021.

Contains a study of one of the best known salmon rivers (in Kodiak Island), including (with map) a description of the Karluk watershed, and a statistical history of the fishery, 1882-1926; observations on the spawning grounds, the life history of Karluk red salmon, analysis of recent runs, escapements and total runs, 1921-26, and discussion of salmon conservation.

Copy seen: DF.

5738. GILBERT, CHARLES HENRY, 1859-1928, and W. H. RICH. Second experiment in tagging salmon in the Alaska Peninsula fisheries reservation, summer of 1923. (U. S. Fish and Wildlife Service, Bulletin of the U. S. Fisheries Bureau, 1926, *pub.* 1927. v. 42, p. 27-75, 4 plates, tables, fold. map)

Contains an account of tagging carried out on the south side of the peninsula from Shumagin Islands to False Pass, and a discussion of rates of travel of migrating fish, as shown by recoveries in Bristol Bay, with statistical data on recoveries.

Copy seen: DF.

5739. GILBERT, GEOFFREY. Copper on the Coppermine River, N. W. T. (Economic geology, Jan.-Feb. 1931. v. 26, p. 96-108)

Based on observations made during a four-week prospecting trip, 1929, in an area fifty miles up-river from Coronation Gulf. Includes notes on transportation via the arctic sea and the river, general description of the geology and topography, and (in more detail) of the occurrence and mineralization of the deposits.

Copy seen: DLC.

5740. GILBERT, GROVE KARL, 1843-1918. Glaciers and glaciation. New York, Doubleday, Page & Co., 1904. xii, 231 p. illus., 18 plates (incl. 6 maps) (Harriman Alaska Expedition, 1899. Harriman Alaska series. v. 3)

Contains descriptions of the existing glaciers of Lynn Canal, Glacier Bay, Yakutat Bay, Prince William Sound and Kenai Peninsula; discussion of the Pleistocene glaciation of these areas and of the Gulf of Alaska coast, Kodiak and Unalaska Islands, and the Bering Sea area. Includes remarks on the land forms left by glaciers, and general consideration of glacier surfaces, erosive power, movement, etc.

Copy seen: DLC.

5741. GILBERT, GROVE KARL, 1843-1918. Introduction. (*In:* Emerson, B. K., and others. Geology and paleontology. Harriman Alaska series, 1904. v. 4, p. 1-8, fold. map)

Contains notes on itinerary indicating the stopping places and time spent by the geologists at each, together with a list of new genera and species of the fossils collected.

Copy seen: DLC.

GILBERT, GROVE KARL, 1843-1918, *see also* Tarr, R. S., & L. Martin. Earthquakes at Yakutat Bay in 1899. 1912.

GILBERT, LUDWIG WILHELM, *see* Luc, A. de. Von d. Eisbergen u. Gletschern in d. Baffins-Bay. 1821.

5742. GILBERT, WALTER EDWIN, and KATHLEEN SHACKLETON. Arctic pilot; life and work on north Canadian air routes; the experiences of Walter E. Gilbert as told to Kathleen Shackleton. London, New York [etc.] T. Nelson & Sons Ltd. [1940] 256 p. incl. map. 18 plates, incl. ports., map on lining-papers.

These accounts of flying in the Canadian North comprise an informed history of commercial and other flying from the early 1920's; include useful information on aerial reconnaissances, and venturesome flights of historic significance; also remarks on flight conditions and weather along the arctic coast and over the Northwest Territories of Canada.

Copy seen: DLC; NNSf.

GILBERT, WALTER EDWIN, *see also* Green, E. Wings over magnetic pole. 1936.

5743. GILCHRIST, LACHLAN. Investigations in the Onakawana lignite field, Abitibi River, Ontario. (*In:* Studies of geophysical methods, 1930. Canada. Geological survey. Memoir, 1932. No. 170, p. 92-98, illus., table, diagrs.)

Copy seen: DGS.

5744. GILDER, WILLIAM HENRY, 1838-1900. Ice-pack and tundra; an account of the search for the Jeannette and a sledge journey through Siberia. New York, C. Scribner's Sons, 1883. xi, [1], 344 p. incl. front., illus. maps (1 fold.)

Also published in German as: *In Eis und Schnee. Die Aufsuchung der Jean-*

nettexpedition und eine Schlittenfahrt durch Sibirien, 1884, (x, 384 p., illus. plates, maps); abridged edition: *Der Untergang der Jeannette-Expedition*, Leipzig, 1922, (158 p., illus. plates), maps).

Also a Russian abridgement published in Berlin, 1923: *Gibel' ekspeditsii Zhanetty*, (Loss of the Jeannette Expedition), 165 p. illus. maps, plates.

Journalist's record, June 1881-Aug. 1882, of his experiences with the *Jeannette* Relief Expedition. The cruise on the U. S. S. *Rodgers* in Bering and Chukchi Seas, landings at Wrangel and Herald Islands, and on the Chukotsk coast; loss of the *Rodgers* by fire at winter quarters in St. Lawrence Bay, Nov. 30, 1881. Sledge trip via Sredne Kolymsk to Lena delta; discovery of news from Melville, remains of DeLong and party, and survivors of the *Jeannette*; with excerpts from diaries, despatches, etc., and reconstruction of latter stages of the *Jeannette* Expedition. Journey from Lena delta, via Verkhoyansk, Yakutsk, to Irkutsk. Notes throughout on Chukchis, Yakuts, travel conditions, regions traversed and settlements visited, particularly Petropavlovsk and Sredne Kolymsk.

Copy seen: DLC (in English, German and Russian); NNS Stef. (1883).

5745. GILDER, WILLIAM HENRY, 1838-1900. Schwatka's search; sledging in the Arctic in quest of the Franklin records. New York, C. Scribner's Sons, 1881. 1 p. l., [vii]-xvi, 316 p. incl. illus., 11 plates. front. (port.) 2 maps (1 double-face) Also published in London by Low, Marston, etc. [188-?] (xvi, 316 p. illus., port. maps).

The author accompanied Schwatka, as a correspondent of the *New York Herald*, which published as letters, much of the material in this book.

From Aug. 1878 to Aug. 1880, the party of five traversed the Barren Lands of northern Canada north and westward from the Chesterfield Inlet region of Hudson Bay, to Hayes River, descended the Hayes to Chantrey Inlet, traveled thence north to King William Island, and returned south via Back River, then southeastward to Camp Daly, the starting point.

The author describes the party's dog sledging, the route and travel conditions, and the search for remains of the

Franklin expedition (of 1845-47) on King William Island (interviewing of natives, finding of relics, etc.) Includes notes on the Eskimos of northern Hudson Bay region and the Netsiliks; seal and walrus hunting; and an index.

Copy seen: DLC; NNS Stef.

5746. GILL, ADAM CAPEN, 1863-1932. Chromite of Kenai Peninsula, Alaska. Washington, U. S. Govt. Print. Off., 1922. iv, 52 p. 4 plates (incl. 3 fold. maps) tables. (U. S. Geological Survey. Bulletin 742)

Report on an investigation in 1918, on the Port Chatham and Red Mountain deposits, describing the geology of the areas, the ore bodies, their origin, dimensions, and mineralogy; also problems of mining and difficulties, shipping, etc.

Copy seen: DGS.

5747. GILL, JAMES EDWARD, 1901-. The Canadian Precambrian Shield. (In: Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 20-48, 5 sketch maps)

Contains description of the general and structural geology, the metal production, types of ore deposits, rock structures controlling ore formation, and the metallogenic provinces and epochs; with a bibliography (23 items).

Copy seen: DGS.

5748. GILL, JAMES EDWARD, 1901-. Natural divisions of the Canadian Shield. (Royal Society of Canada. Transactions, June 1949. Ser. 3, v. 43, sect. 4, p. 61-69, 3 sketch maps)

Four provinces and twenty-one sub-provinces are indicated, based on dominant structural trends, and on features superimposed on the primary and dominant trends by later sedimentation and structural disturbances. Bibliography (7 items).

Copy seen: DGS.

5749. GILL, JAMES EDWARD, 1901-, and others. Wapussakatoo Mountains, Labrador. (Geological Society of America. Bulletin, May 1937. v. 48, p. 567-86, illus. (maps) 7 plates) *Other authors:* H. M. Bannerman and Carl Tolman.

Results of a geological expedition, summer 1933, to explore for mineral deposits near the headwaters of the Hamilton River system. Report covers: location and accessibility; physiography; geology; quartz veins; struc-

ture; relation to rocks in other districts.

Copy seen: DLC.

5750. GILL, THEODORE NICHOLAS, 1837-1914. The ribbon seal of Alaska. (American naturalist, Mar. 1873. v. 7, p. 178-79)

Communication (occasioned by the arrival in the Smithsonian Institution, of a specimen skin collected by Dall in Bering Sea) on *Phoca fasciata* Shaw or *P. equestris* Pallas, found in waters off northern Alaska and characterized by bands or "stripes" of whitish-yellow; genus also called *Histriophoca*.

Copy seen: DLC.

5751. GILL, THEODORE NICHOLAS, 1837-1914, and C. H. TOWNSEND. Diagnoses of a new species of fishes found in Bering Sea. (Biological Society of Washington. Proceedings, Sept. 1897. v. 11, p. 231-34)

Descriptions of fourteen species collected by the *Albatross* in 1895.

Copy seen: DSI-M.

GILL, THEODORE NICHOLAS, 1837-1914, *see also* Bean, T. H. Partial bibliography fishes of Pacific. 1882.

5752. GILLESPIE, A. A. "Boom" at Mayo. (Western miner, Jan. 1947. v. 20, no. 1, p. 48)

Notes on silver mining activity in the Mayo region, Yukon Territory, with call for a good truck road between Mayo and Whitehorse.

Copy seen: DGS.

5753. GILLESPIE, A. A. The Firth River gold strikes. (Western miner, May 1948. v. 21, no. 5, p. 78)

Report on prospecting the Firth River (69°30'N. 139°24'W. in Yukon Territory) 1948, by men taken in by airplane from Dawson and Aklavik, or by boat from Herschel Island.

Copy seen: DGS.

5754. GILLESPIE, A. A. The Mayo silver camp. (Western miner, Mar. 1948. v. 21, no. 3, p. 76-77)

Report of activities and reorganization of the Keno Hill Mining Co., Ltd. in the Mayo district, Yukon Territory.

Copy seen: DGS.

5755. GILLESPIE, A. A. Yukon prepares for busy season. (Western miner, May 1949. v. 22, no. 5, p. 72, 75, sketch map)

Early preparations for the 1949 season in the Yukon gold fields.

Copy seen: DGS.

5756. GILLET, GEORGE. On the birds of Novaya Zemlya. (Ibis, July 1870. New ser., v. 6, p. 303-310)

Annotated list of twenty-eight species observed during a summer's hunting trip.

Copy seen: DSI-M.

GILLETTE, EDWARD, 1854- , *see* U. S. Copper River Exploring Expedition. Alaska 1899 (reports on exped.) 1900.

5757. GILLHAM, CHARLES. EDWARD, 1898- . Raw North. New York, A. S. Barnes & Co., [1947] xvi p., 1 l., 275 p. illus.

Informal description of places and people encountered during the author's travels in Alaska, Yukon and Mackenzie districts, about 1935-40.

Copy seen: DLC.

GILLULY, JAMES, 1896- , *see* Paige, S., & others. Reconnaissance Pt. Barrow region. 1925.

5758. GILMAN, WILLIAM. Our hidden front. New York, Reynal & Hitchcock, Inc. [1944] 3 p. l., 266 p. incl. 16 plates, map on lining-papers.

Journalist's account of Alaska from the outbreak of war to the American reoccupation of Aleutian islands taken by Japanese troops. Includes chapters on air bases, the Alaska Highway, and the battles of the Aleutian Islands.

Copy seen: DLC; NNSf.

5759. GILMORE, CHARLES WHITNEY, 1874- . Smithsonian exploration in Alaska in 1907 in search of Pleistocene fossil vertebrates. Washington, Smithsonian Institution, 1908. 38 p. illus., 13 plates (incl. 2 fold. maps). (Smithsonian miscellaneous collections. Part of v. 51 no. 1807)

Contents: Itinerary (description of the canoe journey from Rampart down the Yukon River (and tributaries) to its mouth). Occurrence of fossils (description of localities) and discussion. Pleistocene fauna of Alaska (descriptive notes on fossil mammals reported from Alaska and Yukon Territory).

Copy seen: DLC.

GILMORE, RAYMOND MAURICE, 1907- , *see* Hall, E. R., & R. M. Gilmore. *Marmota caligata broweri*. 1934.

GILMORE, RAYMOND MAURICE, 1907- . *see also* Wynne-Edwards, V. C., & others. *Biology* (Program of investigations). 1946.

5760. GILMORE, ROSS EARLBY, 1888- . Lignite coal from Blacksmith Rapids, Abitibi River. (Ontario. Dept. of Mines. Annual report, 1929, *pub.* 1930. v. 38, pt. 4, p. 34-40)

Tables, and discussion of the laboratory analyses, burning qualities, and other tests. *Copy seen:* DGS.

5761. GILMOUR, HARRY R. Salmon survey. (Alaska life, Dec. 1947. v. 10, no. 12, p. 10-11, 15, 18, illus.)

Discussion of the work of the Bristol Bay Research Commission directed toward "the restoration of the declining runs of sockeye salmon to the streams," financed by all the salmon packers on Bristol Bay, and carried out by biologists from the University of Washington School of Fisheries.

Copy seen: DLC.

5762. GILTAY, LOUIS. Note sur quelques poissons de la Sibérie orientale. Brussel, 1930. 8 p. (Brussels. Musée Royale d'Histoire Naturelle de Belgique. Bulletin. T. 6, no. 23) *Title tr.:* Note on some fishes of eastern Siberia.

Contains notes on nine fresh-water species found in rivers and lakes of northern Siberia.

Copy seen: DSI-M.

5763. GILTAY, LOUIS. Poissons recueillis au Groenland oriental, en 1927 et en 1928, par M. Dumbrava. Brussel, 1930. 9 p. (Brussels. Musée Royale d'Histoire Naturelle de Belgique. Bulletin. T. 6, no. 22) *Title tr.:* Fishes collected by Dumbrava in East Greenland, 1927-28.

Contains descriptions and notes on seven species of fishes from fresh and sea water.

Copy seen: DSI-M.

5764. GIMBEL, O. Eine neue Halacaridenvarietät von der Murmanküste. (Zoologischer Anzeiger, Apr. 1938. Bd. 122, p. 1-7, illus.) *Title tr.:* A new Halacaridae variety from the Murman coast.

Full description of the marine mite, *Halacarellus basteri* var. *septentrionalis*, n. var.

Copy seen: DSI-M.

GINSBURG, Mrs. EDWARD B., see MIRSKEY, JEANNETTE, 1903- .

5765. GIRGOLAV, S. S., and others. Recent findings on frostbite. (American review of Soviet medicine, June 1944. v. 1, p. 437-46)

Contents: Girgolav, S. S. Modern data on frostbite (from *Klinicheskaya meditsina*, 1943; v. 21, no. 1-2, p. 3-6).

Panchenko, D. I. Retrograde changes in the spinal cord in frostbite of the extremities (from *Nevropatologiya i psikiatriya*, 1943, v. 12, no. 3, p. 75-79).

Krotov, F. G. The use of greases and ointments in the prevention of frostbite (from *Voenno-sanitarnoe delo*, 1943, no. 2-3, p. 63-65).

Copy seen: DLC; NNSStef.

5766. GIRGOLAV, S. S. Sovremennye dannye po otmorozheniyam. (Klinicheskaya meditsina, 1943. T. 21, vyp. 1-2, p. 3-6) *Title tr.:* Modern data on frostbite.

Discussion of results of experimentation and clinical observations of man and animals, which suggest new methods in treatment of frostbite: (1) to rewarm quickly, and (2) to remove necrotic area as soon as it is defined.

English translation was published in E. R. Hope, *Frostbite; translations* [etc.], Ottawa, Defence Research Board, 1950, p. 13-17, (copy in DLC); also in American review of Soviet medicine (as noted in item above).

Copy seen: DSG.

5767. GIRGOLAV, S. S., and T. IA. AR'EV. Klinika i lechenie otmorozhenii. (Vrachebnoe delo, 1940. God 22, column 415-24, illus.) *Title tr.:* Clinical handling and treatment of frostbite.

Discussion in medical terms of nomenclature and classification of frostbite; definition of four degrees of frostbite and description of treatment for each, with a table summarizing treatments for all degrees and stages.

English translation was published in E. R. Hope, *Frostbite; translations* [etc.], Ottawa, Defence Research Board, 1950, p. 18-25. (Copy in DLC).

Copy seen: DSG.

5768. GIRS, A. A. Rol' mussonnogo perenosa tepla v potepelenii Arktiki. (Problemy Arktiki, 1940, no. 12, p. 39-45, sketch maps) *Title tr.:* Atmospheric processes of heat transport in the Arctic.

Atmospheric processes of heat transport into the Arctic are effected under certain synoptic situations which are exemplified by those of Jan. 1936 and Jan. 1937. *Copy seen: DLC.*

5769. GIRS, A. A., compiler. Rukovodstvo po radiozondirovaniu atmosfery dlia aerologicheskikh stantsii arktiki. Moskva, Izd-vo Glavsevmorputi, 1946. 248, [4] p. illus., (incl. tables, diagrs.), 1 fold. table, 6 fold. diagrs. (U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Seriiã Posobiã i rukovodstva, vyp. 16) *Title etc. tr.:* Handbook on radiosonde operations for arctic aerological stations. (U.S.S.R. Main Administration of the Northern Sea Route. Text books and Manuals Series, no. 16)

Contains description of the radiosonde system of Prof. P. A. Molchanov; equipment of the first-order Russian arctic aerological stations; method and practice of making observations by radiosonde. Numerous blueprint sketches of the working parts of the radiosonde and receiving apparatus and textual explanations are presented. Proper methods of calibration of pressure, temperature, and humidity elements are detailed. Methods of recording radio signals during flight and working-up the results for transmission to meteorological centers are emphasized. Bibliography (21 items).

"This handbook, the 16th of a series of manuals for meteorological, hydrographic and oceanographic observers in the Arctic, is a revision of one issued in 1944 by Girs and Nikolaeva on *Aerological Observations at Polar Stations*. The present edition does not deal with pilot balloon observations, however, but goes more into detail regarding radiosonde techniques and equipment.

"The author takes up in a systematic way: (I) The construction and operation of the Molchanov Radiosonde, (II) The establishment and maintenance of arctic aerological stations, (III) The preparation, launching and transmission and reception of radiosonde signals, (IV) The computation or compilation of the records. An appendix contains conversion and computation tables of all kinds. The volume contains nearly a hundred illustrations of equipment, installations and activities connected with filling and launching

balloons. Samples of forms used in radiosonde work, are inserted as fold-ins. The comprehensive and detailed presentation would enable any observer to install, maintain and operate equipment even under rigorous circumstances in isolated locations."—*Meteorological Abstracts and Bibliography*, April, 1950. *Copy seen: DLC.*

5770. GIRS, A. A., and T. V. NIKO-LAEVA. Rukovodstvo po proizvodstvu i obrabotke aerologicheskikh nabludenii na polharnykh stantsiiakh. Moskva, Izd-vo Glavsevmorputi, 1944. 252 p. illus. incl. tables, diagrs., 1 fold. table. (U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Seriiã Posobiã i rukovodstva, vyp. 2) *Title etc. tr.:* Handbook on making and working up aerological observations at polar stations. (U.S.S.R. Main Administration of the Northern Sea Route. Textbook and Manuals Series, no. 2).

Handbook on meteorological investigations of upper air in arctic regions. Author's terminology is based on W. E. K. Middleton's *Meteorological instruments*, 1942.

Contains exposition of methods of meteorological observations (1) by pilot balloons, observed from one or two points by means of theodolite (system of V. V. Kuznetsov); (2) by meteorological instruments borne aloft by kites, aircraft or balloons; (3) by radiosonde (system of Prof. P. A. Molchanov). Bibliography (19 items).

A revision of the section on radiosonde was published as A. A. Girs' *Rukovodstvo po radiozondirovaniu atmosfery*, 1946, q.v. *Copy seen: DLC.*

GIRTY, GEORGE HERBERT, 1869-1939, see Collier, A. J. *Geology & coal of Cape Lisburne, Alaska.* 1906.

5771. GISH, OLIVER HOLMES, 1883- . Significance of geoelectric data from the polar regions. (American Geophysical Union. Transactions, 1931. v. 12, p. 140-42)

Review of research needed, in relation to the Second International Polar Year, 1932-33. *Copy seen: DLC.*

5772. GISH, OLIVER HOLMES, 1883-, and K. L. SHERMAN. Analysis of local atmospheric-electric phenomena at College, Alaska. (Terrestrial magnetism and atmospheric electricity, June 1940. v. 45, p. 173-90, diagrs.)

Based on data obtained at the College-Fairbanks Station of the Second International Polar Year, 1932-1933. The authors separated the universal and local features in their diurnal variation and compared them with the theory of the electrode-effect.

Copy seen: DLC.

5773. GITZ JOHANSEN, AAGE, 1897-. *Figurer i grønlands mytologi. Kalltdlit ugperissatoqaisa inugtaisa ili-at.* Characters of the Greenland mythology. København, E. Munksgaard, 1949. 61 p., 1 l. incl. 13 plates.

"Printed in an edition of 1500 copies . . . 1000 copies are to be sold exclusively in Greenland." Text in Danish, Greenlandic and English. Descriptive notes to accompany the author's drawings of thirteen spirits in the mythology of East Greenland.

Copy seen: DLC.

5774. GITZ JOHANSEN, AAGE, 1897-. *Skitzebogblade fra Angmagssalik.* København, Levin & Munksgaard, 1938. 29 p. 52 plates, map. (Publikationer om Østgrønland, nr. 7) *Title tr.:* Leaves from a sketch book of Angmagssalik.

An artist's account of his sojourn at Angmagssalik, East Greenland, 1935-36: the Eskimo inhabitants, fall weather, the Greenland dog, a pulmonary epidemic, the loss of the *Pourquoi-Pas?*; list of Danish and East Greenland Eskimo names for birds; lists of birds, insects, and ethnographic objects observed or collected.

Plates are reproductions of the author's drawings, etc. (deposited in National Museum, Copenhagen) of Eskimo types, birds, dogs, aspects of Eskimo life in the home and out-of-doors, of the *Pourquoi-Pas?*, etc.

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5775. GUIDICI, DAVIDE. Col "Krasin" alla tenda rossa. Milano, N. Mone-
ta, 1929. 1 p. l., 7-240, [1] p. 64 plates (1 map). *Title tr.:* With the *Krasin* to the red tent. Translation in English was published as: *The tragedy of the Italia; with the rescuers to the red tent*, 1929.

The author, a correspondent for *Corriere della Sera*, Milan, accompanied the *Krasin*, Soviet ice-breaker, on its two cruises June-Sept. 1928, in search of the Nobile party after the

disaster of the airship *Italia*. He describes the cruises and gives sidelights on many, Italians and others, who assisted in the search. *Copy seen:* PP.

5776. GUIDICI, DAVIDE. The tragedy of the Italia; with the rescuers to the red tent. New York, D. Appleton & Co., 1929. xv, [1] 207, [1] p. 33 plates, double-face map.

Translation of his, Col "Krasin" alla tenda rossa, 1929, q.v.

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5777. GIVERHOLT, HELGE, 1911-. *Storpolitik i polartrakterna.* Stockholm, 1948. 32 p. (Världspolitikens dagsfrågor, 1948, nr. 6) *Title tr.:* World politics in polar regions.

Contains (p. 3-23) discussion of the Arctic from viewpoint of contemporary international relations, the policy of the United States, recent developments in Greenland, Iceland and Jan Mayen, the Soviet Union and Svalbard, and international law relative to the Arctic Ocean.

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5778. GJAERVOLL, OLAV. Ett nytt funn av *Draba crassifolia* Grah. i Torne Lappmark. (Svensk botanisk tidskrift, 1948. Bd. 42, häfte 2, p. 182-84) *Title tr.:* A new locality of *Draba crassifolia* in Torne Lappmark.

Contains a report of the find of *Draba crassifolia* in 1947, in a new locality—Vassitjåko, Torne Lappmark, northern Sweden, with a list of forty-four plants from the same locality and some ecological notes.

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5779. GJESSING, GJERTRUD, and GUTORM GJESSING. Lappedrakten. En skisse av dens opphav. Oslo, H. Aschehoug & Co.; Cambridge, Mass., Harvard University Press, 1940. 86 p., 23 plates. (Instituttet for sammenlignende kulturforskning. [Publikationer] series C, v. 4, pt. 2) *Title tr.:* Lapp clothing. A sketch of its origin.

Describes Lapp clothing from earliest records to the present; distinguishes between sea Lapp and mountain Lapp costumes; and traces the introduction of style elements from Siberian, Russian, Finnish, and Scandinavian sources. Summary in English.

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5780. GJESSING, GUTORM, 1906-. *Arktiske helleristninger i Nord-Norge.* Oslo, H. Aschehoug & Co.; Cambridge,

Mass., Harvard University Press; 1932. 76 p., 1 l. 54 plates. (Institutet for sammenlignende kulturforskning. [Publikationer] series B: Skrifter. 21) *Title tr.*: Arctic petroglyphs in northern Norway.

Contains a description of prehistoric rock inscriptions in Troms and Nordland provinces, Norway, mostly of naturalistic line drawings of reindeer, but some of whales and other animals and objects. Four of its eight groups of pictures are here described for the first time. Includes analysis of the cutting and grinding techniques, styles, and environmental relationships of the inscriptions; comparison with pictographs of other areas; consideration of the evidence (inconclusive) for dating the work in the Paleolithic, Neolithic, and/or bronze age; and discussion of probability that the figures had a function in hunting magic. Bibliography (61 items). Summary in German.

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5781. GJESSING, GUTORM, 1906-. Bael' l'jegammen. (Norsk geografisk tidsskrift, 1942-43, pub. 1943. Bd. 9, p. 41-57, illus., diagrs.) *Title tr.*: Lapp huts.

Contains a hypothetical discussion of the origin of the Laplanders' tents and huts, together with examples of variations in their construction by forest Lapps, mountain Lapps, etc. Summary in French.

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5782. GJESSING, GUTORM, 1906-. Circumpolar stone age. København, E. Munksgaard, 1944. 70 p. illus., sketch maps. (Acta arctica, fasc. 2)

Presentation of the general cultural relationships of Eskimos and other peoples around the globe, above the tree-line; with reference to material and spiritual cultures.

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5783. GJESSING, GUTORM, 1906-. Fra steinalder til jernalder i Finnmark; etnologiske problemer. [Oslo, H. Aschehoug & Co.; Cambridge, Mass., Harvard University Press, 1935] 76 p., 1 l. 9 plates (incl. map). (Institutet for sammenlignende kulturforskning. [Publikasjoner] series C, v. 3, pt. 3) *Title tr.*: From stone age to iron age in Finnmark. Ethnological problems.

Contains a discussion of the archaeological material of prehistoric Finn-

mark, in an attempt to reconstruct the early cultures of the Lapps and other prehistoric peoples, including the "slate civilization," and to determine the time at which the iron age became established and the time at which the Lapps came to northern Norway. Plates show stone, bone, and horn artifacts. Includes bibliography.

Map, scale 1:5,000, shows location of archeological site at Vardøy.

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5784. GJESSING, GUTORM, 1906-. Der Küstenwohnplatz in Skjåvika. Ein neuer Fund aus der jüngeren Steinzeit der Provinz Finnmark. (Acta archaeologica, 1938. v. 9, fasc. 3, p. 177-204, 10 illus.) *Title tr.*: The coastal dwelling place in Skjåvika. A new find from the Neolithic of Finnmark Province.

Results of excavations made by Gjessing in 1937 in an archeological site near Skjåvika, Sandfjord area (about 71°N. 28°E.), on the coast of northern Norway. Description of site (with thumbnail location sketch), description of stone, bone, and reindeer-horn artifacts, and discussion of probable age of find on basis of types of artifacts and relations of associated old shorelines.

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5785. GJESSING, GUTORM, 1906-. The Skjomen carving. An arctic rock carving in northern Norway. (Acta archaeologica, 1931. v. 2, fasc. 3, p. 278-85, 4 illus., 2 fold. plates)

Description of petroglyphs at Skjomen inlet, near Narvik, studied by Gjessing in 1929, with discussion of archeological dating on basis of recent geological history and comparison with other petroglyphs.

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5786. GJESSING, GUTORM, 1906-. Vikingeskibsfunnene. Oslo, A. W. Brøgger, 1936. 32 p., 16 plates. *Title tr.*: The viking ship finds.

A guide book to the archeological discoveries at Tune (1867), Gokstad (1880), and Oseberg in Norway (1904); based on works by A. W. Brøgger and Ingvald Undset. Includes description of ships, etc.

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5787. GJESSING, GUTORM, 1906-. Yngre steinalder i Nord-Norge. With a summary in English. Oslo, H. Aschehoug & Co. (W. Nygaard); Cambridge,

Mass., Harvard University Press, 1942. xii, 525 p., 232 illus. (incl. 7 maps) 4 plates on 2 l., diagsr. (Instituttet for sammenlignende kulturforskning. [Publikationer] series B: Skrifter. 39) **Title tr.:** Neolithic period in northern Norway.

A study of the character and origins of the Neolithic culture of northern Norway, based upon detailed examination of all available archeological and geological evidence.

Contains: 1. Detailed description of the artifacts found in northern Norway, grouped according to material and function (stone, bone, horn, bronze, and pottery).

2. Description of individual prehistoric dwelling and other sites and their distribution.

3. Discussion of the chronology of the prehistoric remains, including correlation with ancient post-glacial shorelines.

4. Detailed consideration of the case for a single prehistoric circumpolar culture in Eurasia and North America, with similarity of traits such as slate artifacts, umiaks, comb and textile pottery, round-backed stone gouges, "Eskimo" harpoons, magical hunting beliefs as evidenced by petroglyphs, and underground dwellings.

5. Consideration of probable prehistoric interchanges between northern and southern Scandinavia. Bibliography, p. 512-25.

Maps include: 1. Small-scale map of arctic area showing circumpolar distribution of slate artifacts, skin boats, comb and textile pottery, round-backed gouges, and Eskimo-type harpoons.

2. Map of northern Scandinavia showing distribution of south-Scandinavian-type artifacts.

3. Map of Fennoscandia showing probable routes of diffusion of culture elements into and from northern Scandinavia.

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GJESSING, GUTORM, 1906-, see also Gjessing, Gjertud, & G. Gjessing. Lappedrakten. 1940.

5788. GJESSING, POUL, and others. Beretning om m/s "Thor"s havundersøgelsestogt 1935. København, Levin & Munksgaard, 1935. 125 p. 23 plates, 5 maps (4 fold.), 5 fold. charts. (Publikationer om Østgrønland, nr. 5) **Other authors:** Erik Bertelsen, Helge Thom-

sen. **Title tr.:** Report on the research cruise of the *Thor*, 1935.

Report of the cruise of the *Thor*, 1935, led by Gjessing and financed by Alf Trolle, to make oceanographic, botanical, zoological and fishery investigations in Iceland and East Greenland waters.

Contents include excerpt from Gjessing's diary (p. 7-61) describing the voyage from Iceland to East Greenland and trips to East Greenland fiords 62°30'-60°30'N.

Journal (by Erik Bertelsen, p. 73-95) of East Greenland marine biological investigations, especially of the bottom fauna at seventeen stations (ten in Lindenows Fiord); with preliminary remarks on plans and equipment.

Report of oceanographic observations, by Helge Thomsen (p. 97-108), containing explanatory remarks to charts of the East Greenland Current, Lindenows and adjacent fiords and table of depth, temperature and salinity. Meteorological journal from the voyage of the *Thor* (p. 109-127) containing meteorological observations made on board the *Thor* in Denmark Strait during the period, June 17-Aug. 7, 1935. Sketches of landmarks.

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5789. GJESSING, ROLV RAGNVALD-SØN, 1887- . Die Kautokeinelappen; eine anthropologische Studie. Oslo, H. Aschehoug & Co.; Cambridge, Mass., Harvard University Press, 1934. 130, [2] p. 59 illus. (incl. 3 maps), 10 plates, diagsr. (Instituttet for sammenlignende kulturforskning. [Publikasjoner] series B: Skrifter. 25) **Title tr.:** The Kautokeino Lapps. An anthropological study.

Contains the results of anthropometric measurements of about 200 children and 400 adults of Lapps in Kautokeino Parish, Finnmark, Norway. Includes tables of individual measurements; summary tables; frequency graphs of indexes for such features as height, head shape and other bodily proportions, and pigmentation; general characterization of the physical features of these nomadic Lapps; list of over one thousand inhabitants of Kautokeino Parish, grouped by households; and photographs of thirty individuals. Bibliography (34 items).

Maps: (1) location map of Norwegian provinces; (2) map of Kauto-

keino Parish, scale 1:1,000,000, showing rivers and place-names; (3) small-scale map of Finnmark showing average height of population in each parish.

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5790. "GJØA" EXPEDITION, 1903-1906. The scientific results of the Norwegian Arctic Expedition in the Gjøa, 1903-1906, under the conduct of Roald Amundsen. [Oslo, Cammermeyer, 1930-33] 3 v. illus., double map, tables, diagrs. (Geofysiske publikasjoner, v. 6-8)

Vols. 1-2 were published by the Roald Amundsen's Memorial Fund, 1932-33; v. 3 largely financed by state funds was published in 1930.

Contents: Pt. 1, no. 1. RUSSELLTVEDT, NILS, and AAGE GRAARUD. Scientific work of the expedition.

No. 2. GEELMUYDEN, HANS. Astronomy.

No. 3. GRAARUD, AAGE. Meteorology.

Pt. 2. STEEN, A. S., and others. Terrestrial magnetism.

Pt. 3. RUSSELLTVEDT, NILS, and AAGE GRAARUD. Terrestrial magnetism photographs.

Each number of the report appears in this Bibliography under its author's name.

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5791. GJULLIN, CLAUDE MELVIN, 1903-, and others. The relative effectiveness of several insecticides against mosquito larvae in Alaska. (Mosquito news, Dec. 1949. v. 9, p. 142-45) *Other authors:* C. S. Wilson, B. V. Travis, and G. L. Hutton.

Work conducted under funds allotted by the National Military Establishment to the [U. S.] Bureau of Entomology and Plant Quarantine, during May and June of 1947 and 1948, in Anchorage, Eklutna, and Gulkana, Alaska. Results of tests of DDT, TDE, methoxychlor, benzene, hexachloride, chlordane, toxaphene, and parathion, on one hundred forty-six plots.

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GJULLIN, CLAUDE MELVIN, 1903-, see also Travis, B. V., & others. Pre-hatching treatments *Aedes*. 1949.

5792. GLADKOV, N. A. Beitrag zum Studium der Vögel der Timan-Tundra. (Journal für Ornithologie, Jan. 1941. Jahrg. 89. p. 124-56, illus., 2 sketch maps) *Title tr.:* Contribution to a study of the birds of Timan Tundra.

Results of the Moscow University Museum of Zoology Expedition 1938, to the region along the Barents Sea coast, between Kanin Peninsula and the Pechora. Contains discussion of the tundra as a habitat, and of its avifauna in relation to that of neighboring regions; a note on phenology, and an annotated list of seventy species, with a bibliography (10 items).

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5793. GLADTSIN, IVAN NIKOLAEVICH, 1884-. Geomorfologicheskie nablüdeniia v Khibinskikh tundrach. (In: Fersman A. E., ed. Khibinskie i Lovozerskie tundry, T. 2, pub. in: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1928. Vyp. 39, p. 46-75, illus., 2 plates, diagr.) *Title tr.:* Geomorphological observations in the Khibina Tundras.

Description of the work of glaciers and frost, and effects of temperature changes, the processes of erosion, formation of polygonal soils, remarks on cirques, etc. Results of the Northern Scientific and Economic Expedition 1920-1926. Bibliography p. 69-70. Summary in English, p. 381.

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5794. GLADTSIN, IVAN NIKOLAEVICH, 1884-. Kamennye mnogougolniki. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia 1928 & 1936. T. 60, vyp. 2, p. 305-322, illus., 3 plates; t. 68, vyp. 6, p. 811-43, illus.) *Title tr.:* Stone polygons.

Discussion of theories on the classification of polygons as structural soils or land forms; their formation processes. Discussion of the phenomena observed on Khibina Tundra. Bibliography (92 items in t. 68, p. 841-43). Summary in German (t. 60); in English (t. 68).

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5795. GLADTSIN, IVAN NIKOLAEVICH, 1884-. Rol' morozov v Khibinskikh i Lovozerskikh tundrach. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1923. Vyp. 16, p. 65-67) *Title tr.:* The influence of frost in the Khibina and Lovozersk Tundras.

Outline of a paper (prepared for publication) describing erosion caused by extreme frost and the phenomenon of polygonal soils observed in these regions of Kola Peninsula.

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5796. GLAGOLEV, A., and S. SHORYGIN. Osobennosti solovetskogo klimata. (Solovetskoe obshchestvo kraevedeniia. Materialy, 1927. Vyp. 5, p. 7-29, plates, map, tables) *Title tr.:* Characteristics of the climate of Solovetskiye Islands.

A climatological outline of these islands in the White Sea, based on data from the Solovets meteorological station (irregular for 1895-99, 1900, 1902-03 and new data for 1923-25). Gives results of observations on air and sea-water temperatures, atmospheric pressure and wind, amount of, and number of days with precipitation, mean and annual course of cloudiness, fog, humidity of the air. Summary table (p. 28-29) shows interrelation of all the meteorological factors. Plates show wind roses for Solovki on Solovetskiy Island (at end of volume).

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5797. GLAHN, HENRIC CHRISTOPHER. 1738-1816. Missionær i Grønland Henric Christopher Glahns dagbøger for aarene 1763-64, 1766-67 og 1767-68. Udgivet i anledning af 200-aaret for kolonisationens begyndelse som et bidrag til kendskabet til gamle dages Grønland. Udgaven besørget ved H. Ostermann. København, G. E. C. Gad. 1921. 247 p. illus., port. (Grønlandske selskab. Skrifter 4) *Title tr.:* The diaries of Henric Christopher Glahn, missionary to Greenland, for the years 1763-64, 1766-67 and 1767-68. Published in commemoration of the 200th anniversary of the beginning of colonization as a contribution to the knowledge of Greenland in olden days. Edited by H. Ostermann.

Contains notes on missionary and educational work at Amerdlok and Holsteinsborg; on whaling, fishing, hunting, weather conditions, geography and wildlife; on the Eskimos of the region, their language, customs, beliefs, superstitions and trade. With introduction and notes on Glahn's six diaries (of which only these three have been discovered) and a biographical sketch (p. 7-16) by H. B. S. Ostermann.

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GLASUNOV, ANDREAS, *see* Vrangeli, F. P. Statistische u. ethnographische Nachrichten. 1839.

5798. GLAVATSKII, S. N., and I. I. LAGUNOV. Izvrezhenie vulkana Avachi 25 fevralia 1945 g. (Vsesoiuznoe

geograficheskoe obshchestvo. Izvestiia, 1946. T. 78, vyp. 3, p. 273-78, plate) *Title tr.:* Eruption of the Volcano Avacha on the 25th February, 1945.

A description of the eruption, prepared at the Kamchatka Branch of the All-Union Geographical Society.

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5799. GLAZENAP, SERGEI PAVLOVICH, 1848- . Katalog astronomicheskikh punktov lezhashchikh v predelakh Yakutskoi ASSR. Leningrad. Izd-vo Akademii nauk SSSR. 1934. 145 p. (Akademiia nauk SSSR. Sovet po izucheniui proizvoditel'nykh sil. Trudy) *Title tr.:* Catalog of astronomical points within the Yakut A.S.S.R.

A compilation of seven hundred forty astronomical points established for the Yakut A.S.S.R. to 1933 (arranged in the order of their geographic latitude), with a section describing the geodetic source material; also an alphabetical list of the astronomical points with their established coordinates.

Supplement was published in Sergeevskii, B. A., and others. Katalog astronomicheskikh punktov, 1937, q.v.

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5800. GLAZENAP, SERGEI PAVLOVICH, 1848- . Katalog astronomicheskikh punktov po Pechorskoi kraiu. Leningrad, 1932. 98 p., tables. (Akademiia nauk SSSR. Poliarnaii komissii. Trudy, vyp. 10) *Title tr.:* Catalog of astronomical points for Pechora Territory.

Historical outline of the establishment of geographic coordinates of points in this region. Enumeration of over 30 lists of coordinates determined by astronomic and geodetic observations from 1824 to 1925. Summary list of points determined within the limits of the Pechora Territory map (64°-72°N. 48°-72°E.) published by the Polar Commission of the Academy of Sciences, U.S.S.R., in 1932, p. 56-98.

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5801. GLAZOV, N. V. K metodike izucheniia degradatsii vechnoi merzloty. (Akademiia nauk SSSR. Komitet po vechnoi merzloty. Trudy, 1938. T. 6, p. 155-61, 4 diagrs.) *Title tr.:* The method of studying the degradation of permafrost.

Contains discussion of methods: direct method of observation as best

suitable for the areas with "island" type of distribution. An alternate method is suggested: noting the traces of the degradation process.

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5802. GLEBOV, T. I. Pribrezhnye migratsii murmanskoï sel'di v svyazi s èkologicheskimi faktorami. (Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khozïstva i okeanografii. Trudy, 1938. Vyp. 1, p. 5-58, tables, diagrs.) *Title tr.:* Coastal migrations of the Murman herring associated with ecological factors.

An ecological study of the Murman herring: results of a detailed preliminary investigation of the various factors (specially sea temperature) influencing the cycle of its migrations. Bibliography, p. 56-57. Summary in English.

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5803. GLEBOVSKAIA, E. M. Siluriiskie *Ostracoda* severozapadnykh beregov Novoi Zemli. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 58, p. 33-43, plate) *Title tr.:* Silurian *Ostracodes* from the northwestern shores of Novaya Zemlya.

Descriptions of nine (including two new) forms collected for the Arctic Institute of U.S.S.R., 1932-33. Summary in English.

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5804. GLEDITSCH, KRISTIAN. Topografiske arbeider over Norge utført i storbritannia under krigen. (Norsk geografisk tidsskrift, 1946-47. Bd. 11, p. 1-26, maps) *Title tr.:* Topographic works on Norway published in Great Britain during the war.

Compares map making in England with similar work done in Norway, and makes recommendations. Includes brief notes on the maps of Finnmark and northern Norway.

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5805. GLEN, ALEXANDER RICHARD, 1912-. The glaciology of North East Land. (Geografiska annaler, 1939. Årg. 21, p. 1-38 incl. tables, illus.) Results of the Oxford University Arctic Expedition 1935-36.

Contents include: 1. Climatic conditions. 2. The glaciers. 3. The firn line. 4. The melting process. 5. The Jungschenedecke. 6. Observations at the central ice cap station, by R. Moss. 7. The temperature distribution of a glacier cap in equilibrium, by R. A. Hamilton.

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5806. GLEN, ALEXANDER RICHARD, 1912-. The latest map of North East Land. (Geographical journal, Oct. 1941. v. 98, p. 206-207, sketch map)

Notes on an outline sketch of the map resulting from the aerial survey carried out in 1938, by Norges Svalbard- og Ishavs-undersøkelser.

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5807. GLEN, ALEXANDER RICHARD, 1912-. The Oxford University Arctic Expedition, North East Land, 1935-36. (Geographical journal, Sept.-Oct. 1937. v. 90, p. 193-222, 291-314, illus., plates (photos., diagrs.) fold, col. map)

A report on the origin, financing and objectives of the expedition, July 27, 1935-Aug. 15, 1936; notes on previous exploration of the area; descriptions of the stations; and a narrative of the boat and sledge journeys, the surveys, and the scientific program which included surveying, geology, glaciology, meteorology, ionosphere research, aurora, measurement of atmospheric ozone, sea ice, and biology. *Appendix:* Meteorological observations: monthly means.

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5808. GLEN, ALEXANDER RICHARD, 1912-, and others. The Oxford University Expedition to Spitsbergen, 1933. (Geographical journal, Aug. 1934. v. 84, p. 104-35, 4 plates, sketch map)

Account of an expedition led by the author to survey the east, central and west coastal sections of New Friesland, to carry out geological work on the age and petrologic relationships of the Hecla Hook formation and to measure the depth of the New Friesland icecap by means of seismograph; based at Petunia Bay, Klaas Billen Bay. Describes the various sledge and boat journeys and work of the three parties; includes discussion, p. 129-35. *Appendices* (preliminary statement of scientific work done by the expedition):

1. Geology, geomorphology, and glaciology.

A. FLEMING, W. L. S., and J. M. EDMONDS. New Friesland.

B. BROUGH, J., and R. H. S. ROBERTSON. Dickson Land.

C. BROUGH, J., and R. H. S. ROBERTSON. The Sassen Valley.

D. FLEMING, W. L. S., and O. GATTY. Surface markings.

E. FLEMING, W. L. S. The New Friesland ice sheet.

2. GATTY, O. Report on the geophysical seismograph.

3. BENSON, J. S. Meteorology.

4. STOTT, F. C. Marine biology.

5. HARTLEY, C. H. Bird ecology.

6. GLEN, A. R. Rations and equipment.

Each of these papers appears in this Bibliography under the author's name.

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5809. GLEN, ALEXANDER RICHARD, 1912-. Rations and equipment. The Oxford University Expedition to Spitsbergen, 1933. Appendix 6. (Geographical journal, Aug. 1934. v. 84, p. 128-29)

Notes on articles in diet with amounts, suggestions for improvement, remarks on sledges, tents, etc.

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5810. GLEN, ALEXANDER RICHARD, 1912-. Sea ice conditions around North East Land during the year 1935-36. (Geografiska annaler, 1938. Årg. 20, p. 152-69, illus. incl. 2 maps, photos.)

Results of observations made on the Oxford University Arctic Expedition, North East Land, 1935-36. *Contents:* Pt. 1. Ice conditions off the northwest coast from Aug. 1935 to Apr. 1936. Pt. 2. Ice conditions on different parts of the coast. Pt. 3. Previous records. Pt. 4. Influence of sea currents and weather. Conclusion.

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5811. GLEN, ALEXANDER RICHARD, 1912-. A sub-arctic glacier cap: the West Ice of North East Land. (Geographical journal, Aug. 1941. v. 98, p. 65-76, 135-46, 4 plates, sketch map, diags.)

Report on glaciological research of the Oxford University Arctic Expedition, North East Land, 1935-36. Contains discussion of the topography and thickness, marginal conditions and glacier movement, minor structures, geomorphology, accumulation and ablation, summer melting and physical conditions of the West Ice.

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5812. GLEN, ALEXANDER RICHARD, 1912-. Young men in the Arctic; the Oxford University Arctic Expedition to Spitsbergen, 1933. London, Faber & Faber, Limited [1935] 2 p.

l., 7-329 p. illus. (plan) 49 plates, incl. ports., fold. map, diagr.

Account by the leader of this expedition to explore by sledge parties northern New Friesland peninsula, that part of West Spitsbergen east of Wijde Bay and north of about 78°40'N. Includes brief notes on the efforts of Schroeder-Stranz and Staxrud in the region, 1912-13; details of the organization of this expedition, descriptions of the glaciers, mountains, that section of the icecap traversed by sledge parties, notes on natural history, index.

Appendices (p. 261-321) by various members of the expedition form a preliminary statement of the scientific work done. Reprinted from the *Geographical journal*, Aug. 1934, v. 84, p. 104-135, they are listed in this Bibliography under Glen, A. R. *The Oxford University Expedition to Spitsbergen*, 1933, q.v.

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5813. GLEN, ALEXANDER RICHARD, 1912-, and N. A. C. CROFT. Under the pole star; the Oxford University Arctic Expedition, 1935-6. London, Methuen [1937] xv, [1] 365, [1] p. front., illus., 48 plates, 18 maps (incl. 1 fold.).

Narrative of an expedition of ten members under A. R. Glen to North-east Land, July 1935-Aug. 1936, to investigate weather conditions on inland ice, also problems connected with the age, thickness and physical condition of the icecap.

Contains chapters on personnel, equipment, the establishing of the base camp and the building of the icecap stations (with plans illustrated); on dogs, sledges and sledge trips; on the course of the scientific work: meteorological and ice observations, surveys of coastal and inland regions, mapping, investigations in geology, animal and bird life, etc. Summarizes the work of the expedition, p. 342-45, and indicates resultant publications. *Appendix:* Statement of accounts.

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GLEN, ALEXANDER RICHARD, 1912-, *see also* Bird, C. G., & E. G. Bird. Management of sledge dogs. 1939.

GLEN, ALEXANDER RICHARD, 1912-, *see also* Joubert, Sir P., & A. R. Glen. High latitude flying to north Russia. 1946.

GLEN, ALEXANDER RICHARD, 1912-, see also Moss, R., & A. R. Glen. Retreat of Franklin Glacier. 1939.

5814. GLEN, J. ALLISON. A review of the development of the Northwest Territories. (Industrial Canada, May 1946, v. 47, no. 5, p. 82-85, 126)

Address before the Manitoba Branch of the Canadian Manufacturers' Association Inc., Apr. 23, 1946. Remarks on the Northwest Territories' role in economic rehabilitation and expanding markets for Canada; developments there in petroleum, uranium, metals, transportation by river, air and highway, the Snare River hydro-electric plant, and natural resources.

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5815. GLENN, EDWIN FORBES, 1856- Explorations in and about Cooks Inlet. (In: U. S. Congress. Senate. Committee on Military Affairs. Compilation of narratives of explorations in Alaska, 1900, p. 711-24)

Contains a report (by the commander) of the Cook Inlet Exploring Expedition, 1899, (of which one party's work was reported in considerable detail in: U. S. Adjutant-General's Office. Military Information Division. *Explorations in Alaska 1899*, by J. S. Herron, 1901).

Glenn describes the organization and progress of the expedition to explore the region and discover routes from Prince William Sound northward to Tanana River crossings, thence to Rampart and Circle on the Yukon, also the topographic and other features of the country traversed. Appended (p. 724-41) are subreports on various sections of the expedition's work by C. E. Griffiths, G. B. Thomas, W. Yanert, G. W. Van Schoonhoven, F. Mathys, and C. P. Elliott.

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5816. GLENN, EDWIN FORBES, 1856- Report of Captain Edwin F. Glenn on explorations in Alaska. (In: U. S. Adjutant-General's Office. Military Information Division. Reports of exploration in the Territory of Alaska . . . 1898, pub. 1899, p. 3-123)

Report of the commander of U. S. Military Exploring Expedition no. 3, 1898. A record of events, Apr. 6-Nov. 10, and a narrative of the explorations in the region of Port Wells, Prince William Sound, the Cook Inlet region,

Matanuska and Susitna Rivers, with notes on topography, routes of travel, timber, mineral resources, vegetable products, maintaining of stock, and on the natives.

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5817. GLENN, EDWIN FORBES, 1856- A trip to the region of the Tanana. (In: U. S. Congress. Senate. Committee on Military Affairs. Compilation of narratives on explorations in Alaska, 1900, p. 627-48)

Contains a brief account of the Tanana River or U. S. Military Exploring Expedition in Alaska, no. 3, 1898, of which a more detailed report was published as the author's *Report of Captain Edwin F. Glenn on explorations in Alaska, 1899*, q.v.

Following Glenn's report appear (p. 648-709) six subreports by members of this expedition:

*Learned, H. G. A trip from Portage Bay to Turnagain Arm and up the Susitna.

*Yanert, Wm. A trip up the Tanana River.

Mathys, F. Up the Chickaloon and down the Talkeetna.

Bagg, J. S. A trip up the Chickaloon River.

Kelly, L. S. From Cabin Creek to the valley of the Yukla, Alaska.

*Castner, J. C. A story of hardship and suffering in Alaska.

*These papers are abstracts or reprints-in-full of reports which appear in this Bibliography under their respective authors' names.

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GLENN, EDWIN FORBES, 1856- see also U. S. Adjutant-General's Office. Military Information Division. Reports explorations in Alaska, 1898. 1899.

5818. GLINKA, D. M. Pastbishchnye sezony v olenevodstve i usloviâ zimmego pitaniâ olenei v Nenetskom okruge. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliâ, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstva, 1939. Vyp. 4, p. 31-46) *Title tr.:* The seasons of reindeer pastures and significance of green forage in the winter-feeding of reindeer in Nenets District.

Describes succession of grasses and lichens accessible from early spring (May) through the winter season (with snow cover), as pasturage for reindeer (region of 66°45'-68°N. 41°20'-42°E.)

in Arkhangel'sk district. Summary in English. *Copy seen:* DLC.

5819. GLINKA, KONSTANTIN DMITRIEVICH, 1867-1927. Ocherk pochvy *ĭ*Akutii. (*In:* *ĭ*Akutiiā, 1927, p. 131-64) *Title tr.:* Sketch of soils in Yakutia.

A general description of soils of the region, with tables of chemical analyses based on several investigations. Bibliography, p. 164. *Copy seen:* DLC.

5820. GLOB, PETER VILHELM, 1911-. Eskimo settlements in Kempe Fjord and King Oscar Fjord, by P. V. Glob. With a zoological appendix by M. Degerbøl. København, C. A. Reitzel, 1935. 97, [1] p. incl. illus. (incl. maps) tables. 7 plates (incl. fold. map). (Meddelelser om Grønland. Bd. 102, nr. 2)

Results of the Three-Year Expedition to Christian X Land, 1931-34, under Lauge Koch. Archeological study of sites on Ymer, Geographical Society, Ella, and Traill Islands, and Suess and Lyell Lands. Includes detailed description of the settlements, and of the early and later cultures in northeast Greenland; brief discussion of intercultural relationships, and a bibliography (20 items).

Appendix: Degerbøl, M. Animal bones. (Especially reindeer, a large, powerful breed of dogs, no musk oxen)

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5821. GLOB, PETER VILHELM, 1911-. Eskimo settlements in northeast Greenland. København, C. A. Reitzel, 1946. 39, [1] p. 9 sketch maps. (Meddelelser om Grønland. Bd. 144, nr. 6)

Results of Danish expeditions to East Greenland, 1926-39, under Lauge Koch. Appendix 6. Review of reports on the area north of 70°N., and a list of two hundred thirteen localities (shown on accompanying sketch map) of former Eskimo settlements; with a bibliography (23 items).

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GLOVER, ARTHUR E., *see* Alaska. Dept. of Mines. Industrial minerals. 1946.

5822. GLOVER, RICHARD G. *Ovibos moschatus*. (Beaver, Sept. 1947. Outfit 278, no. 2, p. 14-17, illus.)

Notes on the habits of the musk ox, and uses made of his horns, hair, hide, etc. by natives of the North.

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5823. GLOYD, LEONORA K. Notes on some dragonflies (Odonata) from Admiralty Island, Alaska. (Entomological news, July 1938. v. 49, p. 198-200)

List of eleven species, three of which are new for Alaska, and notes on the localities where they were found.

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5824. GLUBINY, izmerennye ékspeditsiei na "Litke" v Vostochno-Sibirskom more i more Laptevykh. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 29, p. 53-55, 2 tables)

Title tr.: Depth measurements taken by the expedition on the ice-breaker *Litke*, [1934], in the East Siberian and Laptev Seas.

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5825. GLUSHKOV, I. N. Cherdynskie voguly. (Etnograficheskoe obozrēnie, 1900. v. 10, no. 2, p. 15-78) *Title tr.:* The Voguls of the Cherdyn district.

Contains a study of the ethnography of the Voguls of the Cherdyn district (about 60°30'N. 56°30'E.) of the former administrative district of Perm in the foothills of the Ural Mts. Data on terrain, climate, fauna and flora, Russian population; a short history of the Voguls, their divisions, physical type, material culture (clothing, decorations, music, food, property signs, dwellings, occupation) and language, with a vocabulary. Religion, sacrifices, shamanism, and relations with neighboring tribes are also treated.

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5826. GLUUD, *Capt.* Die Eisverhältnisse um Spitzbergen in der zweiten Hälfte des Juni 1912. (Annalen der Hydrographie und maritimen Meteorologie, Feb. 1913. Jahrg. 41, p. 118-20) *Title tr.:* Ice conditions around Spitsbergen in the last half of June 1912.

Report of the fishery research vessel *Poseidon* on ice encountered off the west coast of West Spitsbergen, and in waters between Bear Island and Spitsbergen.

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5827. GMELIN, JOHANN GEORG, 1709-1755. Flora sibirica, sive Historia plantarum Sibiriae. Petropoli Typogr. Acad. Scient., 1747-69. 4 v. *Title tr.:* Flora of Siberia, or History of plants of Siberia.

Contains in this fundamental early flora, a geographical sketch of Siberia (v. 1, p. 1-56); history of the expedition of the Academy of Sciences, a part

of the Great Northern Expedition, inaugurated by Bering; data on travels through Siberia, 1733-43; a geobotanical sketch of Siberia and a systematic enumeration of one thousand, hundred seventy-eight species of plants described in pre-linnean nomenclature. v. 3-4 was issued posthumously by S. G. Gmelin.

For commentary and allocation of the species under the binomial system, see Ledebour, K. J. *Commentarius in J. G. Gmelini Floram Sibiricam*, 1841, and Tausch, I. F. *Diagnoses plantarum minus cognitarum*, 1828.

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GMELIN, SAMUEL GOTTLIEB, 1743-1774, see Gmelin, J. G. *Flora sibirica*. 1747-69.

GNUCHEVA, V. F., see Akademiia nauk SSSR. Archiv. Materialy dlia istorii ekspeditsii. 1940.

5828. GOBI, KHRISTOFOR IAKOV-LEVICH, 1847-1920. Die Algenflora des Weissen Meeres und der demselben zunächstliegenden Theile des nördlichen Eismeer. St.-Petersbourg, 1878. 1 p. l., 92 p. (Akademiia nauk SSSR. Mémoires. Sér. 7, t. 26, no. 1) *Title tr.*: The algae of the White Sea and neighboring part of the Arctic Ocean.

Based on the Academy of Sciences' museum specimens, contributed by many collectors from 1837 to 1876.

Contains (pt. 1) a systematic list of seventy-seven species (exclusive of diatoms) and a statistical study of their occurrence in the waters of northern Norway, Spitsbergen, Novaya Zemlya and the White Sea. Pt. 2. Annotated and systematic list, with synonyms and discussion of distribution in northern waters, of the same species; with a bibliography (87 items).

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5829. GOBI, KHRISTOFOR IAKOV-LEVICH, 1847-1920. *Flora vodoroslei Bëlago moria prilëzhashchikh k nemu chastei Sievernago Ledovitago Okeana*. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1878. T. 9, p. 293-406) *Title tr.*: Algal flora of the White Sea and adjoining parts of the Arctic Ocean.

Contains in the general part: a survey of the literature, collections, a general list of all known species, characteristics of the algal flora of White

Sea, and comparison with other arctic floras; in the special part: a systematic enumeration of seventy-six species of algae with synonymy, critical notes and detailed data on distribution in White, Barents and Kara Seas, and brief notes on distribution elsewhere; bibliography (82 items).

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5830. GOBI, KHRISTOFOR IAKOV-LEVICH, 1847-1920. *Rezultaty izsledovaniia flory vodoroslei Bëlago moria*. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1877. T. 8, Protokoly zasëdaniï, p. 124-26, 127-28) *Title tr.*: Results of the investigation of algal flora of the White Sea.

Contains some statistical data on algal flora of the White Sea, in comparison with other arctic floras, and notes on more interesting species. A complete account of this investigation was published as the author's, *Flora vodoroslei Bëlago moria*, 1878, q.v.

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5831. GODDARD, EDWIN NEWELL, 1904- , and others. Copper-bearing iron deposits of the Mount Andrew-Mamie area, Kasaan Peninsula, Prince of Wales Island, southeastern Alaska. Washington, [1944?] 29 p. 8 maps (7 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed. *Other authors:* L. A. Warner and M. S. Walton.

The authors made a geologic, topographic and dip-needle survey of the area within about 55°31'N. 132°17'-18' W. during June-Sept. 1942 and give here notes on the locality, history and production of ore; description of the geology, structure, character, numerology, paragenesis and genesis of the deposits; geologic interpretations of magnetic surveys; notes on the reserves, and the mines.

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5832. GODDARD, PLINY EARLE, 1869-1928. Assimilation to environment as illustrated by Athapascan peoples. (International Congress of Americanists. 15th, Quebec, 1906. [Compte rendu] pub. Quebec, 1907. v. 1, p. 337-59)

Discusses questions of possible migrations or other occurrences accounting for the present distribution of

Athapaskan stock in North America. Deals chiefly with southern and Pacific Athapaskans rather than northern.

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5833. **GODDARD, PLINY EARLE**, 1869-1928. *The Beaver Indians*. New York, American Museum of Natural History, 1916. 1 p. l., p. 201-293, 19 illus. (*Its*: Anthropological papers, v. 10, pt. 4)

Results of the author's observations among Beaver Indians of the Peace River district, June-Sept. 1913.

Contents: Ethnological notes (on shelter, transportation, food, clothing, industrial arts, social organization, burial customs and religion), p. 208-231. Myths and tales (eighty-one tales recorded in English), p. 232-92. Bibliography p. 293.

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5834. **GODDARD, PLINY EARLE**, 1869-1928. *Beaver texts, Beaver dialect*. New York, American Museum of Natural History, 1917. 1 p. l., p. 295-546 illus. (*Its*: Anthropological papers, v. 10, pt. 5-6)

Contains (in pt. 5) Beaver texts: seventy-three tales in Beaver dialect with interlinear English translation, p. 295-397. Pt. 6. Beaver dialect: morphology, tracings (words, with their sound represented in 191 diagrams of recordings), p. 399-546. Texts and speech were recorded by the author among the Beaver Indians of Peace River district, summer 1913.

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5835. **GODDARD, PLINY EARLE**, 1869-1928. *Has Tlingit a genetic relation to Athapaskan?* (*International journal of American linguistics*, 1920. v. 1, p. 266-79)

Discusses in great detail the evidence concerning possible genetic relationship between Athapaskan and Tlingit linguistic stocks, and presents conclusions negating such relationship. Includes comparative vocabularies of 115 nouns and 127 verbs in Tlingit and Athapaskan languages. *Copy seen:* DLC.

5836. **GODDARD, PLINY EARLE**, 1869-1928. *Texts and analysis of Cold Lake dialect, Chipewyan*. New York, American Museum of Natural History, 1912. 1 p. l., p. 1-168, diagrs. (*Its*: Anthropological papers, v. 10, pt. 1-2)

Contains (in pt. 1) Chipewyan texts: sixteen tales in Chipewyan dialect, with

interlinear, also free English translation; results of the author's linguistic investigations among southern Chipewyan with Cree associations, at Cold Lake Reserve, June 28-July 15, 1911.

Pt. 2. Analysis of Cold Lake dialect: introduction, including discussion of works in, or on, Chipewyan; phonetics, with description of author's methods; morphology. *Copy seen:* DLC.

GODDARD, PLINY EARLE, 1869-1928, *see also* Chapman, J. W. *Ten'a texts & tales*, from Anvik, Alaska. 1914.

5837. **GODFREY, ARTHUR STUART TALBOT**, 1910-. *The cradle of the north wind*. London, Methuen & Co., Ltd. [1938] xi, 234 p., 1 l. incl. front. (port.), maps on lining-papers.

A personal account, for general readers, of the author's experiences with the Oxford Arctic Expedition, North-East Land, 1935-1936 under A. R. Glen. Describes the journey, day-to-day life at the bases, the icecap station, boat and sledge trips, and a trip with a Norwegian sealer. *Copy seen:* DLC.

GODFREY, ARTHUR STUART TALBOT, 1910-, *see also* Lindsay, M., & others. *British Trans-Greenland Exped. 1935*.

GODFREY, DANIEL, *see* Lindsay, M. *Sledge; British Trans-Greenland Exped. 1934. 1935*.

5838. **GODFREY, WILLIAM C.** Godfrey's narrative of the last Grinnell Arctic exploring expedition [*sic*] in search of Sir John Franklin, 1853-4-5. With a biography of Dr. Elisha K. Kane. Philadelphia, J. T. Lloyd & Co., 1857. 267 p. incl. front., plates, ports.

Account, by a seaman on the *Adventure*, of the Second Grinnell Expedition, its sledge trips, etc., in Smith Sound region; with some criticism of the expedition's direction, and with some vindication of the author's character, said to have been maligned by the leader of the expedition, Dr. E. K. Kane; also a biography of Dr. Kane. *Copy seen:* DLC.

5839. **GODOVIKOV, V. N., and D. N. MIKHALEV**. *Materialy po pirrotinovym mestorozhdeniām rūzhnogo sklona. Khibinskogo massiva. (In: Khibinskie apatity, 1933. T. 5, p. 189-202. illus., maps (incl. 1 fold.), tables)*

Title tr.: Materials on pyrrhotite occurrences of the southern slope of the Khibina massif.

Summary of data on pyrrhotite deposits based on geological investigations and electric geophysical prospecting to April, 1933. Geological characteristics of the deposits; mineralogical analyses; approximate calculation of the tonnage of the resources. *Map*, scale 1:25,000, shows pyrrhotite occurrences in Lovchorr mountain region.

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5840. GODSELL, PHILIP HENRY, 1889- . Arctic trader; the account of twenty years with the Hudson's Bay Company. New York, Putnam, 1932. xii p., 2 l., 19-322 p. 12 plates, incl. ports. Other editions, 1933, 1934, 1943, have essentially the same text with minor revision.

Reminiscences of early 20th century frontier life, mainly below the 60°N. parallel. Includes, however, chapters on the Mackenzie River valley, the Coronation Gulf and Copper Eskimos, and on the development of the Northwest Territories; with an index.

Copy seen: DLC; NNSf.

5841. GODSELL, PHILIP HENRY, 1889- . Birch canoe to thunder-bird. (Forest and outdoors, Sept. 1939. v. 35, p. 260-62, 284, illus.)

"The romance of Northland's transportation told by one who witnessed at first hand, the evolution from canoe and York boat to distance-annihilating aeroplane".

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5842. GODSELL, PHILIP HENRY, 1889- . The "blond Eskimo" and the created want. (Forest and outdoors, Aug. 1938. v. 34, p. 231-34, 254, illus.)

Account of the deterioration of the Mackenzie Eskimos' culture under white men's influence, and of the resistance to acculturation of Copper Eskimos farther east.

Copy seen: DA.

5843. GODSELL, PHILIP HENRY, 1889- . The capital of furland, York Factory. (Canadian magazine, July 1933. v. 80, no. 1, p. 10, 38-40, illus.)

Popular historic notes on Radisson and the Hudson's Bay Co. post on Hudson Bay.

Copy seen: DLC.

5844. GODSELL, PHILIP HENRY, 1889- . The changing North. How the

famous forts of fur trade days are being abandoned before the march of civilization. (Forest and outdoors, July 1939. v. 35, p. 196-98, 219, illus.)

Reminiscences of Norway House, York Factory, and Fort Chipewyan.

Copy seen: DA.

5845. GODSELL, PHILIP HENRY, 1889- . Famous forts of fur land. The story of Fort Prince of Wales and Samuel Hearne. (Canadian magazine, June 1933. v. 79, no. 6, p. 16, 25-27, illus.)

Popular, informative article.

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5846. GODSELL, PHILIP HENRY, 1889- . Fur feast to breadline! (Forest and outdoors, June 1938. v. 34, p. 166-68, illus.)

The first of a series of articles on the destruction of game and fur-bearing animals of northern Canada, and its sequel, starvation for the Indian population.

Copy seen: DA.

5847. GODSELL, PHILIP HENRY, 1889- . Old trails to the Arctic. (Canadian geographical journal, Apr. 1934. v. 8, p. 150-62, illus.)

A popular account of a stem-wheel steamer passage from Ft. McMurray (Alberta) to Aklavik, in the Mackenzie delta, with historical notes on the settlements and old forts along the way.

Copy seen: DLC.

5848. GODSELL, PHILIP HENRY, 1889- . The passing of Herschel Island. (Royal Canadian Mounted Police quarterly, Apr. 1942. v. 9, p. 380-92, illus., plate)

The story of early Herschel Island, the Royal Canadian Mounted Police occupancy, 1903-40, the discovery of the Copper Eskimos, and the lawlessness of whaling days, with especial mention of Christian Klengenbergh and his exploits.

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5849. GODSELL, PHILIP HENRY, 1889- . Pirate days in arctic waters. (Forest and outdoors, May 1941. v. 37, p. 145-46, 152-53, illus.)

Popular tales of Herschel Island from the time of the whaling period, 1889, to the abandonment of the Canadian Mounted Police post there, 1941.

Copy seen: DA.

5850. GODSELL, PHILIP HENRY, 1889- . Red hunters of the snows; an account of thirty years' experience with

primitive Indian and Eskimo tribes of the Canadian North-West and arctic coast, with a brief history of the early contact between white fur traders and the aborigines. London, Robert Hale, 1938. 3 p. l., 11-324 p. 1 illus., 32 plates, ports., fold. map. Issued also in Toronto, by Ryerson Press, 1938.

Account by a Hudson's Bay Co. official of his life, travels and friends in the Indian country. Includes notes on the customs of Chipewyan, Yellowknife, Dogrib, Hare, Slave and Nahanni Indians of the Northwest Territories, and on the Eskimos of the western Canadian Arctic; their relations with white men, and changing conditions from the time of early fur-trading days to the present.

Copy seen: DLC; NNS Stef.

5851. GODSELL, PHILIP HENRY, 1889- . Tragedy in the land of snows. (Forest and outdoors, Oct. 1938. v. 34, p. 302-304, 313, 318)

Story of the disappearance of the caribou with the introduction of modern hunting methods in the North, and of belated efforts to conserve the game for Eskimos.

Copy seen: DA.

5852. GODSELL, PHILIP HENRY, 1889- . War's impact on the Northland. (Forest and outdoors, Feb. 1940. v. 36, p. 46-50, illus.)

Account of the effect of World War I on the fur trade of the Canadian North.

Copy seen: DA.

5853. GOEBEL, A. Von der Murmanküste (Halbinsel Kola). Zugtabelle für Jeretiki vor der Mündung des Urafjordes (Port Wladimir) und einige andere Küstenplätze. (Ornithologisches Jahrbuch, Nov.-Dec. 1901. Jahrg. 12, p. 213-15, tables) *Title tr.:* Murman coast (Kola Peninsula). Tables of arrival dates for migratory birds at Yeretiki, mouth of Ura Fiord and a few other coastal points.

Contains data, 1882-1901, for ninety-three species (incomplete for many species).

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5854. GOEBEL, AD. Chemische Untersuchung der Rippen der *Rhytina*. (Akademik nauk SSSR. Bulletin, 1863. Sér. 3, t. 5, p. 188-93) *Title tr.:* Chemical analysis of the ribs of *Rhytina*.

Anatomic details and results of analysis of the bones of Steller's sea cow.

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5855. GOEBEL, H. Ausführlicher Sammelbericht von der Murmanküste (Zip Nowolok, Alexandrowsk und Ainainseln) und Nowaja Semlja (Kostin Scharr), 1906. (Zeitschrift für Oologie und Ornithologie, 1907. Jahrg. 17, p. 53-54) *Title tr.:* More complete report of the collection from the Murman coast (Zip Nowolok, Aleksandrovsk and Aina Island) and Novaya Zemlya (Kostin Shar).

Brief report of birds' egg collections made in June and July, on Rybachiy Peninsula, in Varanger Fiord and on Novaya Zemlya.

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5856. GOEDECKE, E. über die hydrographische Lage im südlichen Barentsmeer im Oktober 1937. Die Forschungsfahrt des . . . *J. Hinr. Wilhelms* in das südliche Barentsmeer im Oktober 1937. 2. (Deutsche wissenschaftliche Kommission für Meeresforschung. Berichte, 1940. Neue Folge, Bd. 9, p. 459-69, incl. tables, 2 fold. diags.) *Title tr.:* On the hydrographic conditions in southern Barents Sea in October 1937. Research cruise of the *J. Hinr. Wilhelms* in southern Barents Sea in October, 1937. 2.

Contains a description of the waters of the deep part, and shallow regions of the sea between 30°-53°E., with diagrams of temperature, salinity and density from surface to bottom for six (of the cruise's thirty-two) stations; and tables of wind, pressure, clouds, and state of sea (Beaufort scale), three times daily, Oct. 1-22.

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5857. GÖDEL-LANNOY, RICHARD, Freiherr BASSO von. Astronomie. [Wien, 1886] 26 p., 3 illus. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse. Bd. 1, Th. 1)

Description of instruments and methods used and results obtained in determining the latitude (70°59'48"N.) and longitude (8°28'8"W.) of the polar station on Jan Mayen. Includes tables showing results of the individual observations.

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GÖPPERT, HEINRICH ROBERT, *see* GÖPPERT, JOHANN HEINRICH ROBERT, 1800-1884.

5858. GÖPPERT, JOHANN HEINRICH ROBERT, 1800-1884. Fossile

Hölzer. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 1, Theil 1, pub. 1847. p. 223-37, 4 plates) *Title tr.*: Fossil wood.

Descriptions of the samples collected by Middendorff in the Taymyr region, on the tundra of the Boganida River (71°N.), at the mouth of the Taymyr River (74°N.) and from a location nearby, in association with mammoth skeletons; also a note by Middendorff concerning the significance of Göppert's remarks for understanding the origin of the mammoths represented by the skeletons found.

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5859. GÖPPERT, JOHANN HEINRICH ROBERT, 1800-1884. Über die Tertiärflora der Polargegenden. (Akademik nauk SSSR. Bulletin, 1861. Sér. 3, t. 3, p. 448-61) *Title tr.*: On the Tertiary flora of the polar regions.

General discussion of the evidence of mild climates in northern, circum-polar regions during the Tertiary period, based on fossil plants; with special attention to some collections made on the Alaskan Peninsula and Aleutian Islands.

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5860. GOES, AXEL THEODOR, 1835-1897. Crustacea Amphipoda maris Spitsbergiam alluentis, cum speciebus aliis arcticis enumerat. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1865, pub. 1866. Årg. 22, p. 517-36, 6 plates) *Title tr.*: Amphipod crustaceans from Spitsbergen waters, with enumeration of other arctic species.

List, with references to literature, remarks and notes of occurrence, of seventy species collected in the Spitsbergen waters during the Swedish Expeditions to West Spitsbergen, 1861 and 1864.

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5862. GOES, AXEL THEODOR, 1835-1897. Om *Fusulina cylindrica* Fischer från Spitsbergen. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1883. Årg. 40, no. 8 p. 29-35, illus.) *Title tr.*: On *Fusulina cylindrica* Fischer from Spitsbergen.

Foraminifera from West Spitsbergen's Carboniferous.

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5862. GOES, AXEL THEODOR, 1835-1897. *Rhizopoda reticulata* collected at

Spitsbergen, 1890. (In: Nordenskiöld, G. E. A. Report of the Swedish Expedition to Spitsbergen, 1890, pub. 1933, p. 71)

Translation of *Rhizopoda reticulata* insamlade vid Spetsbergen, 1890, q.v.

Copy seen: DLC.

5863. GOES, AXEL THEODOR, 1835-1897. *Rhizopoda reticulata* insamlade vid Spetsbergen, 1890. (In: Nordenskiöld, G. E. A. Redogörelse för Den svenska expeditionen till Spetsbergen, 1890. Bihang 3. Pub. in: Svenska vetenskapsakademien. Handlingar. Bihang, 1892. Bd. 17, afd. 2, no. 3, p. 77-78) Published in English as *Rhizopoda reticulata* collected at Spitsbergen, 1890.

List of ten species collected at 25 fathoms in Norse Island Sound (Norskøysundet, 79°50'N. 11°30'E.), fourteen from the same locality at 40-50 fathoms, and six collected outside Red Bay at 15 fathoms.

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5864. GOES, AXEL THEODOR, 1835-1897. A synopsis of the arctic and Scandinavian recent marine *Foraminifera* hitherto discovered. Stockholm, P. A. Norstedt, 1894. 127 p., 1 l. illus., 25 plates. (Kl. Svenska vetenskapsakademien. Handlingar. Ny följd, bd. 25, no. 9)

List, with synonymy, localities and depths, remarks, etc., of two hundred sixty-four species collected by Swedish arctic expeditions, 1858-78.

Copy seen: DLC.

5865. GOETGHEBUER, MAURICE, 1876-. Chironomides du Groenland oriental, du Svalbard et de la Terre de François Joseph. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter, 1933. Nr. 53, p. 19-31, illus.) *Title tr.*: Chironomids of East Greenland, Svalbard, and Franz Josef Land.

List, with descriptions and locations of twenty-four (including eleven new) species of these mosquito-like flies.

Copy seen: DGS.

GOETGHEBUER, MAURICE, 1876-, see also No. 5868.

GOETGHEBUER, MAURICE, 1876-, see also Soot-Ryen, T. Some Tendipedids Spitsbergen. 1942.

5866. GÖTZ, F. W. PAUL. Zum Strahlungsklima des Spitzbergensommers; Strahlungs- und Ozonmessungen in der

Königsbucht 1929. (Beiträge zur Geophysik, 1931. Bd. 31, p. 119-54, illus., tables, diagrs.) Schriftenachweis 42, Lichtklimatischen Observatorium Arosa. *Title tr.:* On the radiation climate of Spitsbergen in summer; measurements of radiation and ozone in King's Bay, 1929. (Publication no. 42 of the Arosa Light Climate Observatory)

Contents tr.: Locality and duration of measurements. (78°55'N., 12°0'E. at 23 meters above sea level; intermittently during July-Aug.)

Actinometric measurements of solar radiation.

Daily amount of photochemical and ultraviolet brightness.

Atmospheric ozone.

Transmission coefficients and intensities in shortwave ultraviolet.

Appendix: Amount of cooling.

Copy seen: DLC; NNS Stef.

5867. GOFMAN, E. Skazki narodov Severa. (Sovetskaya Arktika, 1938, no. 5, p. 52-55) *Title tr.:* Tales of the peoples of the North.

Characteristics of the folklore of the aborigines of the Soviet North, illustrated by examples from several tales.

Copy seen: DLC.

GOFMAN, I. S., see Pavlova, S. N., & I. S. Gofman. Issledovanie nordvickoi nefti. 1946.

5868. GOETGHEBUER, MAURICE, 1876-. Chironomides de Laponie Suédoise. (Société entomologique de Belgique (Bruxelles). Bulletin et annales, 1940. T. 80, p. 55-72, illus.)

Contains a systematic list of twenty-eight midges (Chironomidae) collected by Prof. Thienemann in the Abisko region of Swedish Lapland in the summer of 1939, including descriptions of seventeen new species.

Copy seen: MH-Z.

GOETGHEBUER, MAURICE, 1876-, see also No. 5865.

5869. GOLDER, FRANK ALFRED, 1877-1929. Aleutian stories. (Journal of American folk-lore, 1905. v. 18, p. 215-22)

Six tales (in English).

Copy seen: DLC.

5870. GOLDER, FRANK ALFRED, 1877-1929. Eskimo and Aleut stories from Alaska. (Journal of American folk-lore, 1909. v. 22, p. 10-24)

Eleven tales (in English) collected in southern Alaska.

Copy seen: DLC.

5871. GOLDER, FRANK ALFRED, 1877-1929. A Kadiak Island story. (Journal of American folk-lore, 1907. v. 20, p. 296-99)

Copy seen: DLC.

5872. GOLDER, FRANK ALFRED, 1877-1929. Mining in Alaska before 1867. (Pacific Northwest quarterly, July, 1916. v. 7, p. 233-38)

An undocumented historical summary of gold and coal prospecting and mining in Alaska under the Russians. Includes an account of the coal mining at Port Graham, Kenai Peninsula, from 1855 to 1860, with estimates of production costs and of sale price at San Francisco.

Copy seen: DLC.

5873. GOLDER, FRANK ALFRED, 1877-1929. The songs and stories of the Aleuts, with translations from Veniaminov. (Journal of American folk-lore, 1907. v. 20, p. 132-42)

Discussion of songs and stories with text of four tales.

Copy seen: DLC.

5874. GOLDER, FRANK ALFRED, 1877-1929. Tales from Kodiak Island. (Journal of American folk-lore, 1903. v. 16, p. 16-31, 85-103)

Ten tales (in English) collected by the author.

Copy seen: DLC.

5875. GOLDER, FRANK ALFRED, 1877-1929. Tlingit myths. (Journal of American folk-lore, 1907. v. 20, p. 290-95)

Text (in English) of two tales.

Copy seen: DLC.

5876. GOL'DMAN, D. G., ed. K klinike, lecheniū i profilaktike otmorozhenii. Leningrad, Sanitarnyi otdel krasnoznamennogo Baltflota, 1938. 192 p., illus., tables, diagrs. *Title tr.:* Clinical picture, treatment, and prophylaxis of frostbite.

A monograph, with main contributors D. G. Gol'dman and V. K. Luba, the first number of a series planned to be devoted to problems of the effect of low temperatures upon the human body, and methods of treatment and prophylaxis of frostbite; based on the author's clinical observation and on the literature.

Appendix: Instructions issued by the People's Commissariat of Labor, regu-

lating length of work periods in open air in winter relative to air temperature and wind velocity. Bibliography of 1016 items from medical, military and sports literature, expedition narratives, belles-lettres, etc., dealing with the effects of low temperature on man.

Copy seen: DLC; NNN.

5877. GOLDMAN, EDWARD ALPHONSO, 1873-1946. A new otter from Kamchatka. (Journal of mammalogy, May 1936. v. 17, p. 164)

Full description of the skull of *Lutra stejnegeri*, sp. nov.

Copy seen: DSI-M.

GOLDSBOROUGH, EDMUND LEE, see Evermann, B. W., & E. L. Goldsborough. Check list fresh-water fishes Canada. 1907.

GOLDSBOROUGH, EDMUND LEE, see Evermann, B. W., & E. L. Goldsborough. Fishes of Alaska. 1907.

GOLDSCHMIDT, VICTOR, 1853-1933, see Dreyer, C., & V. Goldschmidt. Über Albit von Grönland. 1910.

5878. GOLDSCHMIDT, VICTOR MORITZ, 1888- Petrographische Untersuchung einiger Eruptivgesteine von Nordwest-Spitzbergen. Kristiania, J. Dybwad, 1911. 17 p. illus., plate. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1911. No. 9) *Title tr.:* Petrographic study of some igneous rocks from northwest Spitsbergen. Issued also as: Norske Spitsbergenekspeditionen, 1909-1910. Resultats scientifiques, T. 2, no. 2, 1916.

Contains results of petrographic and chemical analyses of plagioclase basalts and trachydoleritic igneous rocks, collected from the Wood Bay region during 1910.

Copy seen: DLC.

5879. GOLDSMITH, E. A. tempered steel meteorite. (Academy of Natural Sciences of Philadelphia. Proceedings, 1893. p. 373-76, plate)

Petrographic and mineralogic description of a meteorite from Disko Island, collected by the Peary Expedition, 1891-92.

Copy seen: DLC.

5880. GOLDSMITH, JOSEPH BENJAMIN, 1899-, and others. Exploratory studies on the control of adult mosquitoes and blackflies with DDT under arctic conditions. (Mosquito

news, Sept. 1949. v. 9, p. 93-97, table) *Other authors:* C. N. Husman, A. W. A. Brown, W. C. McDuffie, and J. F. Sharp.

Report on four aerial spraying tests with DDT, in lightly forested and tundra plots near Churchill, Manitoba, 1947, as part of a joint project by the Canadian Dept. of Agriculture, Division of Entomology on behalf of the Canadian Defense Research Board and the U. S. Bureau of Entomology and Plant Quarantine for the U. S. Army Surgeon General.

Copy seen: DLC.

5881. GOLDSTEIN, MARCUS SOLOMON, 1906- Caries and attrition in the molar teeth of the Eskimo mandible. (American journal of physical anthropology, 1932. v. 16, p. 421-30)

Data and discussion based on teeth in skeletons in the U. S. National Museum, from West Alaska and elsewhere.

Copy seen: DLC.

5882. GOLDSTEIN, MARCUS SOLOMON, 1906- Congenital absence and impaction of the third molar in the Eskimo mandible. (American journal of physical anthropology, 1932. v. 16, p. 381-88)

Data and discussion based on study of Eskimo skeletons in the U. S. National Museum.

Copy seen: DLC.

5883. GOLDSTEIN, MARCUS SOLOMON, 1906- The cusps in the mandibular molar teeth of the Eskimo. (American journal of physical anthropology, 1931. v. 16, p. 215-35)

Data and discussion based on a study of teeth in Eskimo skeletons collected from various regions for U. S. National Museum.

Copy seen: DLC.

GOLDTHWAIT, RICHARD PARKER, 1911-, see Washburn, H. B., & R. P. Goldthwait. Movement of South Crillon Glacier, Alaska. 1937.

GOLIKOV, S. G., see Andreev, A. I. Russkie otkrytiia v Tikhom okeane i Severnoi Amerike. 1944.

5884. GOLITSYN, BORIS BORISOVICH, kniaz', 1862-1916. Doklad o nastoiashchem polozenii polarnoi ekspeditsii Sverdrupa i Vil'kitskago. (Akademiia nauk SSSR. Bulletin, fév., 1915. Sér. 6, t. 9, p. 193-96) *Title tr.:* Report on the present situation of the Sverdrup and Vil'kitskii arctic expedition.

Texts of five radiograms (Jan. 6–Feb. 3, 1915) from Sverdrup (at about 76°N. 92°E.) and Vil'kitskii (at about 77°N. 100°E.), describing the state and plans of their groups. Announcement of program of the Hydrographic Administration for giving them assistance. *Copy seen:* DLC.

5885. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. Fiziko-meteorologicheskii nablüdeniia vo vremia polnago solnechnago zatmeniia 9-go avgusta 1896 goda v stanovishche Malye-Karmakuly na Novoi Zemli. (Akademiia nauk SSSR. Bulletin, mars, 1897. Sér. 5, t. 6, p. 203–249, 7 plates, tables) *Title tr.:* Physico-meteorological observations during the total solar eclipse of Aug. 9, 1896, at the settlement of Malye-Karmakuly on Novaya Zemlya.

Contains section on instruments used; the weather; the influence of the eclipse on atmospheric pressure, air temperature, and humidity; cloudiness; solar radiation; direction and velocity of the wind; spectroscopic analysis; magnetic observations; photometric observations; observation of contacts and the photographing of the sun (largely discussion; data for duration of eclipse only). *Copy seen:* DSI.

5886. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. Fotogrammetricheskaiia s'emka. (*In:* Ekspeditiia Imperatorskoi Akademii nauk na Novuiu Zemliu, 1896. Otchet, 1898. *Pub.* in Akademiia nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique. Vol. 8, no. 1, p. 129–69. 3 col. fold. maps, tables, diagrs.) *Title tr.:* The photogrammetric survey.

Discussion of methods and results of the surveys made during a nine-day trip into the interior of Novaya Zemlya from the settlement of Malye Karmakuly.

Maps (topographic): (1) vicinity of Lake Kondrat'ev, scale 1:10,000; (2) survey from a plateau (72°25'77"N. 53°12'8"E.) scale 1:50,000; (3) survey near Mt. Chernyshev, scale 1:20,000. *Copy seen:* DSI.

5887. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. Kratkii otchet o poezdke kn. B. B. Golitsyna liutom 1896 goda na Novuiu Zemliu. (Akademiia nauk SSSR. Bulletin, oct. 1896.

Sér. 5, t. 5, p. 251–61) *Title tr.:* Brief report on Prince B. B. Golitsyn's trip to Novaya Zemlya in the summer of 1896.

An outline of the organization and brief narrative of the expedition to observe the solar eclipse of July 28 at Malye Karmakuly, with an account of a nine-day trip into the interior. The scope of the scientific work is indicated, and some conclusions are given, particularly in meteorology.

Copy seen: DSI.

5888. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. The lowest air temperature at a meteorological station. (U. S. Weather Bureau. Monthly weather review. Aug. 1917. v. 45, p. 407–408)

Instrumental corrections for the thermometers which recorded the world's lowest temperature (–90.4°F.) at Verkhoyansk on Feb. 5th and 7th, 1892 are given in a letter from the director of the Central Geophysical Observatory to the chief of the U. S. Weather Bureau (in emendation of A. I. Voikov's *Meteorologiia*, 1910).

Copy seen: DLC.

5889. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. Materialy k opredeleniiu granits Gol'fstrema v Sievernomo-Ledovitom okeanie. (Akademiia nauk SSSR. Bulletin, nov. 1898. Sér. 5, t. 9, p. 321–44, 2 fold. tables) *Title tr.:* Source materials for the determination of the limits of the Gulf Stream in the Arctic Ocean [i.e. Barents Sea].

The author reaches some provisional conclusions on the basis of the literature on the subject, which he summarizes, and his own observations, made between Archangel and Malye Karmakuly from the military transport *Samofed*, while on the way to and from Novaya Zemlya with the expedition sent to observe a solar eclipse (July 22–24, Aug. 23–27, 1896). Hourly observations (rather incomplete) for barometric pressure, air temperature, absolute and relative humidity, direction and force of wind, cloudiness, state of sea, surface water temperature, and salinity are given. *Copy seen:* DLC.

5890. GOLITSYN, BORIS BORISOVICH, *kniaz'*, 1862–1916. Meteorologicheskii nablüdeniia ofitserov transporta "Samofed" v Kostinom sharie

na Novoi Zemli vo vremia polnago solnechnago zatmenia 9-go avgusta 1896 goda. (Akademiia nauk SSSR. Bulletin, avril, 1897. Sér. 5, t. 6, p. 325-34, 3 tables) **Title tr.:** The meteorological observations of the officers of the transport *Samofed* in Kostin-Shar Strait on Novaya Zemlya during the total solar eclipse of August 9, 1896.

Irregular observations for Aug. 8-10, with discussion. **Copy seen:** DSI.

5891. GOLITSYN, BORIS BORISO-VICH, *kniaz'*, 1862-1916. O meteorologicheskikh nabludeniiax na Novoi Zemli; prilozhenie k otchetu ob ekspeditzii Imperatorskoj Akademii nauk na Novuiu Zemliu lietom 1896 g. St. Petersbourg, 1900. 163 p. tables. (Akademiia nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique. Vol. 9, no. 3) **Title tr.:** Concerning the meteorological observations on Novaya Zemlya; supplement to the report of the expedition of the Imperial Academy of Sciences to Novaya Zemlya in the summer of 1896.

A textual account and tabulation of the meteorological observations made during several expeditions at various points on Novaya Zemlya, during the period 1832-97, as follows: Kamenka Guba (70°36'N. 57°27'E.), 1832-33; Matochkin Shar, 1834-35; Malye Karmakuly, 1878-79, 1882-83, 1891-92, 1896-97. Summaries of observational data on magnetic elements, soil temperature, and solar radiation at Malye Karmakuly during 1881-82, and 1896 are included. Publications containing observational data for other expeditions are listed. **Copy seen:** DLC.

5892. GOLITSYN, BORIS BORISO-VICH, *kniaz'*, 1862-1916. Obshchii obzor dieiatel'nosti ekspeditzii. (In: Ekspeditziia Imperatorskoj Akademii nauk na Novuiu Zemliu, 1896. Otchet, 1898. Pub. in: Akademiia nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique. Vol. 8, no. 1, p. 3-78, 8 plates) **Title tr.:** A general account of the activities of the expedition.

Narrative by a leading participant, describing the organization of the expedition to Novaya Zemlya, the preparations for and observation of the solar eclipse of Aug. 8-9, 1896, at Malye Karmakuly, and the subsequent trip into the interior of the island, with some of the principal results obtained. **Copy seen:** DSI.

5893. GOLITSYN, BORIS BORISO-VICH, *kniaz'*, 1862-1916. Osvobozhdenie ekspeditzii Vil'kitskago ot l'dov v sviazi s sinopticheskimi kharakterom zimy i lieta 1915 goda. (Akademiia nauk SSSR. Bulletin, mars, 1916. Sér. 6, t. 10, p. 213-18) **Title tr.:** The liberation of the Vil'kitskii expedition from ice fields and the synoptic weather analysis of the winter and summer of 1915.

Account of the successful prediction of weather conditions favorable to the return of the ships of the Hydrographic Expedition from the Kara Sea. **Copy seen:** DLC.

5894. GOLLERBAKH, M. M. Sovremennoe sostoianie izuchennosti flory kharovykh vodoroslei SSSR. (Sovetskaja botanika, 1940, no. 3, p. 77-86, text map) **Title tr.:** Present day knowledge of the Characeae (algae) of the U.S.S.R.

Contains an evaluation of the (then) knowledge of algae of the Characeae family in U.S.S.R., with historical and critical review of literature and a list of fifty-eight forms native to the U.S.S.R., with tabulated data on geographical distribution, including arctic regions; a bibliography (54 items). **Copy seen:** MH-A.

5895. GOLOVACHEV, F. A. Mineral'nye istochniki iugo-vostochnoi okonechnosti Chukotskogo poluostrova. (Arctica, 1937. No. 5, p. 57-80, illus., map) **Title tr.:** The mineral springs of the south-eastern extremity of the Chukchi Peninsula.

A description of mineral springs of the region, with chemical analyses of their waters and a list of plants taken in their vicinity in 1935. Summary in English. **Copy seen:** DLC.

GOLOVACHEV, F. A., *see also* Andrianov, A. V., & F. A. Golovachev. Geologicheskoe stroenie i poleznye iskopaemye Chukotskogo p-ova. 1938.

5896. GOLOVACHEV, P. Vzaimnoe vliianie russkago i inorodcheskago naselenia v Sibiri. (Zemlevedenie, 1902. T. 9, vyp. 2-3, p. 53-68) **Title tr.:** Mutual influence of Russian and native population in Siberia.

Results of intermingling of Russian and native population of the Lena, Yenisey, Aldan and Ob' River regions; the deterioration of Tungus, Chuvantsy and Yukaghirs by diseases (small-

pox, syphilis, drunkenness, etc.), decline of reindeer husbandry (by anthrax); partial Russianization of Yakuts by adoption of Russian-style clothing, houses, schooling, agriculture (grain-growing and cattle-raising, etc.); tendency of Russians to "go native", with changes in physical type, language, etc.

Copy seen: DGS.

5897. GOLOVIN, P. G. V razvedku na polius. (Sovetskaiā Arktika, 1938, no. 2, p. 72-85, illus.) *Title tr.:* Reconnaissance of the North Pole.

Account of the author's flights over the polar region in preparation of the expedition to the North Pole in 1937.

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5898. GOLOVIN, P. N. Ueber die russischen Colonien an der Nordwestküste von Amerika. (Archiv für wissenschaftliche Kunde von Russland, 1863. Bd. 22, p. 47-70) *Title tr.:* On the Russian colonies on the northwest coast of America.

Based on the author's report (in *Morskoi sbornik*, 1863) to the Russian administration, of an inspection trip in 1860, to investigate the state of the Russian-American Co. colonies in the Aleutians, along southern Alaska and in California. Contains information on the retrogression of the economic and social affairs of the colonies, the fur trade, the natives and the role of the missionaries; a brief history of the company and of early exploration.

Copy seen: DLC.

GOLOVIN, P. N., *see also* U. S. S. R. Komitet ob ustroistvī russkikh amerikanskikh kolonii. Doklad komiteta ob ustroistvī kolonii. 1863-64.

5899. GOLOVKOV, M. P. K petrografii l'da Karskogo moriā. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 60, p. 7-40, illus., 2 plates) *Title tr.:* Petrography of ice in Kara Sea.

A crystallographic study of ice structure made during a voyage of the ice-breaker *Malygin*, 1934. Summary in German.

Copy seen: DLC.

5900. GOLOVKOV, M. P. K voprosu o strukture l'da Karskogo moriā. (Leningrad. Universitet. Uchenye zapiski, 1937. No. 16, Seriiā geologo-pochvenno-geograficheskaiā, vyp. 4, p. 9-32, illus., diagr.) *Title tr.:* On the problem of the ice structure in the Kara Sea.

Study of the crystallographic and petrographic texture and structure of ice observed by the ice-breaker *Malygin*, 1934, with a bibliography (43 items). Summary in English.

Copy seen: DLC.

5901. GOLOVNEV, V. I. Sroki otdeleniā teliat olenei ot materi. (Leningrad. Nauchno-issledovatel'skii institut pol'iarnogo zemledeliā, zhivotnovodstva i promyslovogo khoziāistva. Trudy. Ser. Olenevodstvo, 1940. Vyp. 14, p. 2-35) *Title tr.:* The times for weaning the reindeer fawn from the doe.

Copy seen: DLC.

GOLOVNIN, VASILII MIKHAILOVICH, 1776-1831, *see* U. S. S. R. Morskoe ministerstvo. Materialy dliā istorii russkikh zaselenii. 1861.

5902. GOLSHMID, K. L., and M. F. MEREZHINSKII. Mestnaiā vitamino-terapiā otmorozhenii. (Sovetskaiā meditsina, 1940, vyp. 13-14, p. 16-18) *Title tr.:* Topical treatment of frostbite with vitamins.

Report on results of treatment of all stages of frostbite with vitamin A ointment (formula given), and discussion of reactions of cases at certain stages, with conclusion that only first and second degree frostbite submit to such treatment. English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 74-78. (Copy in DLC).

Copy seen: DSG.

GOL'TEDAL', OLAF, *see* HOLTEDAHL, OLAF, 1885-

5903. GOL'TSMAN, M. I. O nekotorykh anemometricheskikh priborakh dliā Arktiki. (Problemy Arktiki, 1939, no. 12, p. 29-38, illus.) *Title tr.:* On some wind apparatus for the Arctic.

Anemometers suitable for withstanding the high wind speeds and cold temperatures in the Arctic are described and illustrated. The contact point and the registration mechanisms of the anemometer assembly are shown in detail.

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5904. GOL'TSMAN, M. I. Ob izmerenii vlazhnosti vozdukh pri nizkikh otritsatel'nykh temperaturakh. (Problemy Arktiki, 1939, no. 1, p. 39-53, illus.) *Title tr.:* Measurements of humidity at very low temperatures.

The author shows that relative humidities at very low temperatures cannot be accurately measured by a hair hygrometer. Greater accuracy can be obtained either by the weight of absorbed moisture or by thermoelectric psychrometers. The instrumentation and procedures of both methods are illustrated and described.

Copy seen: DLC.

GOLUBEV, V. G., *see* Shereshevskii, E. I., & others. *Ezdovoe sobakovodstvo*. 1946.

GOLUBEVA, M. M., *see* Shennikov, A. P., & M. M. Golubeva. *Materialy k geografii i ekologii mkhov*. 1929.

5905. GOLUBINTSEVA, VALENTINA PETROVNA. Spetsificheskie sorniaiki Sibiri. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Biologicheskii nauchno-issledovatel'skii institut. Trudy, 1936. T. 2, p. 170-228, 16 text maps) *Title tr.*: Specific weeds of Siberia.

Contains a survey of twenty-six species of Siberian weeds with descriptions in Russian, critical notes, detailed data on the geographical distribution and control; includes some species native to the arctic regions and Kamchatka, and a bibliography (28 items). Summary in German.

Copy seen: NNBG.

5906. GOMERY, PERCY. The side door to the Klondike. (Canadian Bankers' Association. Journal, Jan. 1923. v. 30, p. 210-17)

Popular, journalistic description of the gold rush, 1898, and the route from Wrangell, Alaska, via Stikine River, to the Klondike.

Copy seen: DLC.

5907. GOMOŪNOV, K. A. *Gidrologicheskie issledovaniia v sovetskoĭ Arktike za 25 let (1920-1945)*. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1945. T. 77, p. 328-40) *Title tr.*: Oceanographic research in the Soviet Arctic for twenty-five years (1920-1945).

A survey of the work of the Arctic Institute and its predecessors, with bibliography. Summarized in English in *Polar record*, 1949. v. 5, no. 37-38, p. 355-60.

Copy seen: NNA.

5907A. GOMOŪNOV, K. A. *Gidrologicheskie issledovaniia v srednei chasti Karskogo moria na zveroboĭnom sudne "Nerpa" v 1937 godu*. (U.S.S.R. *Gidro-*

graficheskoe upravlenie. Zapiski po gidrografii, 1938, no. 3, p. 105-111, illus., (map), diagrs.) *Title tr.*: Hydrographic observations in the central part of Kara Sea made by the sealer *Nerpa* in 1937.

Brief report on meteorologic, oceanographic and biological investigations made for the Arctic Institute, U.S.S.R., July-Oct.; with charts of stations, and vertical temperature distribution for two cross sections of the sea, but with no data.

Copy seen: DLC.

5908. GOMOŪNOV, K. A. *Gidrologicheskie raboty v srednei chasti Karskogo moria na zveroboĭnom sudne "Nerpa"*. (Problemy Arktiki, 1938, no. 1, p. 77-78, map) *Title tr.*: Hydrological work of the sealer *Nerpa* in the central part of the Kara Sea.

General information on an oceanographic expedition of the Arctic Institute, U.S.S.R., 1937, sent to Kara Sea under the leadership of the author.

Copy seen: DLC.

5909. GOMOŪNOV, K. A. *Ledovoi pokrov vostochnoi chasti proliva ŭgorskii Shar*. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 88, p. 7-22, diagrs.) *Title tr.*: Ice cover in the eastern part of Yugorskiy Shar Strait.

Data drawn from observations 1913-35, in the strait connecting Kara and Pechora Seas, between Vaygach Island and the Komi SSSR coast.

Copy seen: DLC.

5910. GOMOŪNOV, K. A. *Vostochno-Sibirskoe more*. (Sovetskaia Arktika, 1939, no. 10, p. 46-55, maps, tables) *Title tr.*: East Siberian Sea.

Outline of exploration and general characterization of this sea: its climate, hydrographic features (bottom relief, sea level, currents, temperature-salinity régime, etc.) and ice conditions. Sketch map shows limits of investigated zones and the extent of exploration.

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5911. GONCHAROV, NIKOLAI FEDOROVICH, 1900-1942. *Novye vidy roda Astragal*. (Akademiia nauk SSSR. Botanicheskii institut imeni V. L. Komarova. Botanicheskie materialy gerbariia, 1947. T. 10, vyp. 1-12, p. 30-42) *Title tr.*: New species of the genus *Astragalus*.

Contains Latin description of the herb, *Astragalus vallicola* n. sp., from the basin of the Lena River.

Copy seen: MH-A.

GONDATTI, N. L., *see* Bogoraz, V. G. Ocherk material'nogo byta chukchei. 1901.

GONDATTI, N. L., *see* Miller, V. F. Materialy po narechiām inorodtsev Anadyrskago okruga. 1897.

GONDATTI, N. L., *see* Miller, V. F. Ob èskimosskikh narechiñakh. 1897.

5912. GOODBRAND, C. G. Report on familiarization flight from Whitehorse to the geographic North Pole. [Toronto?] June 1949. 4 l. (Canada. Dept. of Transport. Meteorological division. Circular 1639; TEC-65) Mimeographed.

Brief notes on forecast and actual weather during a flight, Apr. 3-May 2, 1949.

Copy seen: CaMAI.

5913. GOODE, GEORGE BROWN, 1851-1896, and others. The fisheries and fishery industries of the United States. Prepared through the co-operation of the Commissioner of Fisheries and the Superintendent of the Tenth Census, by George Brown Goode . . . and a staff of associates . . . Washington, U. S. Govt. Print. Off., 1884-87. 5 sections in 7 v. plates, charts.

Contents include: Section 1: Natural history of useful aquatic animals.

A. GOODE, G. B. The whales and porpoises.

B. ALLEN, J. A. The seals and walruses.

C. ELLIOTT, H. W. The habits of the fur-seal.

D. TRUE, F. W. The sirenians or sea-cows.

Section 3: The fishing grounds of North America.

C. BEAN, T. H. The fishery resources and fishing grounds of Alaska.

Section 5: History and methods of the fisheries.

v. 1, pt. 1, no. 2. SCUDDER, N. P. The salt-halibut fishery, with especial reference to that of Davis' Straits.

v. 1, pt. 2, no. 5. BEAN, T. H. The cod fishery of Alaska.

v. 2, pt. 15. CLARK, ALONZO H. The whale fishery.

v. 2, pt. 17. CLARK, ALONZO H. The Pacific walrus fishery.

v. 2, pt. 18. The seal and sea-otter industries. no. 1. ELLIOTT, H. W. The fur-seal industry of the Pribylov Islands, Alaska. no. 4. ELLIOTT, H. W. The sea-lion hunt. no. 6. ELLIOTT, H. W. The sea-otter fishery.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DF.

5914. GOODE, GEORGE BROWN, 1851-1896. The whales and porpoises. (In his: The fisheries and fishery industries of the U. S., 1884. Section 1, p. 1-32, 11 plates)

Contains notes on the habits, distribution, movements, usefulness, abundance, etc. of these animals in the various oceans.

Copy seen: DF.

GOODE, GEORGE BROWN, 1851-1896, *see also* Allen, J. A. Seals & walruses. 1884.

5915. GOODE, JOHN PAUL, 1862-1932. The polar equal area, a new projection for the world map. (Association of American Geographers. Annals, 1929. v. 19, p. 157-61, illus.)

Copy seen: DGS.

GOODE, RICHARD URQUHART, 1858-1903, *see* Brooks, A. H. Geography & geology of Alaska. 1906.

GOODFELLOW, ALICE, *see* Rhodes, A. J., & others. Outbreak poliomyelitis in Eskimos. Laboratory investigations. 1949.

5916. GOODHUE, CORNELIA. Journey into the fog; the story of Vitus Bering and the Bering Sea. Garden City, N. Y., Doubleday, Doran & Co. Inc., 1944. x p., 1 l., 179 p., map on lining-papers.

Copy seen: DLC; NNSf.

5917. GOODMAN, JOE R., and others. Physical and chemical investigations: Bering Sea, Bering Strait, Chukchi Sea, during the summers of 1937 and 1938. (Washington (State) University. Publications in oceanography. v. 3, p. 107-169, 75 p. of tables. 37 plates (charts) on 19 l. 1942) Other authors: John H. Lincoln, Thomas G. Thompson, and Frederick A. Zeusler.

A discussion, with tables and charts, of the ocean temperature, salinity, chemistry and ice. **Copy seen:** DLC.

5918. GOODRICH, HAROLD BEACH, 1870-1945. History and condition of the Yukon gold district to 1897. (*In*: Spurr, J. E. Geology of the Yukon gold district, Alaska. U. S. Geological Survey. Annual report, 1896-97, pub. 1898. v. 18, pt. 3, p. 103-133)

Contains outline of early explorations, prospecting of Yukon district to 1887, discoveries of Fortymile and Birch Creeks and their subsequent histories; notes on the upper Yukon, the Klondike district, the government (miners' meetings and laws), population and production. *Copy seen:* DGS.

5919. GOODSIR, ROBERT ANSTRUTHER. An arctic voyage to Baffin's Bay and Lancaster Sound in search of friends with Sir John Franklin. London, J. Van Voorst, 1850. 1 p. l., [v]-viii, 152 p. front., fold. map.

Narrative of a voyage with Baffin Bay whalers, 1849, undertaken in search of the author's brother. Describes a whaling vessel's passage through the ice and processes in whaling, the birds observed and the Lancaster Sound region.

Copy seen: CaOG; DLC; NNS†f.

GOODSIR, ROBERT ANSTRUTHER, see also Sutherland, P. C. Journal of voyage. 1850-51. 1852.

5920. GOODWIN, W. M. Labrador iron ore. (Western miner, May 1949. v. 22, no. 5, p. 54-57, sketch map)

Notes on the formation, mining concessions, ore deposits and nature of the ore, transportation, power, operating conditions and markets of the new iron ore field on the Labrador-Quebec boundary at about 55°N. 67°W.

Copy seen: DGS.

5921. GORANSON, ROY WALDEMAR, 1900- A correlation of the Mesozoic formations of the Pacific coast of North America. (American journal of science, July-Aug. 1924. Ser. 5, v. 8, p. 61-78, 159-82) Includes Alaskan formations. *Copy seen:* DLC.

5922. GORBAT'SKII, G. V. Fiziograficheskie kontury severnoi chasti Novoï Zemli (raion mysy Zhelaniia). (Zemlevedenie, 1940. Novaiâ seriâ, t. 1 (41), p. 145-63) *Title tr.:* Physiographical outlines of the northern part of Novaya Zemlya (the region of Cape Zhelaniya).

Results of the Northern Novaya Zemlya Expedition of the Arctic Institute

in 1933, the main task of which was the exploration of the regions adjoining Cape Zhelaniya on the northern tip of the island. The principal physiographic units of the region from south to north, are shown to be a zone of relief inversion (the Lomonosov mountain range), a rejuvenated strand flat, and the coastal zone.

The paper includes a survey of previous exploration in the region, remarks on climate and bibliography (19 items). Summary in English.

Copy seen: DA.

5923. GORBAT'SKII, G. V. Geologîia i rel'ef poberezh'ia Karskogo moria. (Moskva. Universitet. Uchenye zapiski, 1938. Vyp. 19, geografiâ, p. 136-61) *Title tr.:* Geology and relief of the Kara Sea coasts.

Brief summary of geologic and geomorphologic features of (1) the coasts of eastern Novaya Zemlya, Vaygach Island and Yugor Peninsula; (2) the Ob-Yenisey region; and (3) the coasts thence eastward to Cape Chelyuskin and the western coasts of Severnaya Zemlya; with a bibliography (112 items). *Copy seen:* DGS.

5924. GORBAT'SKII, G. V. Geologîia Nizhnepechorskogo raiona. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 15, p. 5-25, fold. map) *Title tr.:* Geology of the lower Pechora region.

Report by a member of an Arctic Institute, U.S.S.R. expedition, on the stratigraphy, land forms and geologic history of the region of the lower Pechora (200 km. upstream from its mouth) and tributaries, with a map, 1:100,000. Summary in English.

Copy seen: DLC.

5925. GORBAT'SKII, G. V. Geomorfologicheskii ocherk zapadnoi chasti severnogo o-va Novoï Zemli mezhdû guboi Melkoï i guboi Severnoi Sul'menevoi. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1934. T. 13, p. 143-83, illus.) *Title tr.:* Geomorphological sketch of the western part of the northern island of Novaya Zemlya between Melkaya and northern Sulmenevaya Fiords.

Results from the geomorphological party of the Arctic Institute, U.S.S.R. Expedition to Novaya Zemlya in 1931. Summary in English.

Copy seen: DLC.

5926. GORBATSKII, G. V. Iskopaemye ledniki Krestovoi guby na Novoi Zemle. (Arctica, 1933. No. 1, p. 41-65, illus., map) *Title tr.*: Buried glaciers in Cross Bay, Novaya Zemlya.

Based on observations and study of subterranean ice of the region, made during the Arctic Institute of U.S.S.R. Expedition in 1931. Discussion in detail of the present relief, the geologic and climatic history of formation, and geomorphologic changes effected by the old glaciers. Bibliography (11 items). Summary in English.

Copy seen: DLC.

5927. GORBATSKII, G. V. K voprosu ob erozionnoi deiatel'nosti poliarnykh rek. (Zemlevedenie, 1935. T. 37, vyp. 3, p. 263-73, diagr.) *Title tr.*: Problem of erosional action of arctic rivers.

Methodological discussion of the erosional action of rivers in the Arctic; factors influencing this action: climate, permafrost, shortness of the period of the intensive erosion; a classification of arctic rivers (illustrated by a diagram).

Copy seen: DA.

5928. GORBATSKII, G. V. O kharaktere beregovoi linii v raione mysa Zhelaniia. (Arctica, 1934. No. 2, p. 65-71, map) *Title tr.*: On the character of the coast line in the region of Cape Zhelaniya.

A description of the coast around Cape Zhelaniya, northernmost Novaya Zemlya (66°33'-68°E.) based on an instrumental survey, (scale 1:100,000), made for the Arctic Institute, U.S.S.R., 1933. Summary in English.

Copy seen: DLC.

5929. GORBATSKII, G. V. Postpliotŝenovyie otlozheniia i rel'ef űgo-vostochnogo poberezh'ia poluoostrova Kanina. (Vsesoiűznoe geograficheskoe obshchestvo. Izvestiia, 1932. T. 64, vyp. 6, p. 447-80, 3 maps) *Title tr.*: The post-Pliocene and relief of the southeastern coast of Kanin Peninsula.

Describes structure of the bed rock; shows minor land forms along the coasts and rivers to be due to work of the sea and permanently frozen ground; comments on receding coast line. Bibliography (60 items). Includes detailed field maps. Summary in English.

Copy seen: DLC.

GORBATSKII, G. V., see also Vize, V. ű., & others. Sovetskaiia Arktika. 1946.

5930. GORBUNOV, A. L. Khudozhestvennyi kosterezhnyi promysel na Chukotke. (Sovetskaiia Arktika, 1936, no. 6, p. 87-93, illus.) *Title tr.*: Artistic ivory carving in the Chukotka region.

Description of this work done by natives of Chukotsk Peninsula, and measures suggested for its encouragement.

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5931. GORBUNOV, E. I. Allergicheskii metod diagnostiki nekrobatiŝilleza severnykh olenei. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstva, 1941. Vyp. 15, p. 29-57) *Title tr.*: The methods of allergic diagnosis of reindeer necrobacillosis. *Copy seen:* DA.

5932. GORBUNOV, E. I. K voprosu o prodolzhitel'nosti beremennosti vazhenok severnykh olenei. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 5, p. 135-42) *Title tr.*: On the gestation period in reindeer does. Summary in English.

Copy seen: DLC.

5933. GORBUNOV, E. I. Polovoi űsiki i metody diagnostiki techki u samok severnykh olenei. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 5, p. 101-134, illus., 2 plates) *Title tr.*: Sexual cycle and methods of diagnosis of rut of reindeer does. Summary in English.

Copy seen: DLC.

5934. GORBUNOV, E. I. Polovye organy samtŝa severnogo olenia. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 5, p. 161-68, 2 illus.) *Title tr.*: Sexual organs of the male reindeer. *Copy seen:* DLC.

5935. GORBUNOV, E. I. Stroenie polovogo apparata samok severnykh olenei. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 9-33, illus., 2 plates) *Title tr.*: The reproductive organs of the female reindeer. Summary in English.

Copy seen: CaOA; DF.

5936. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Bentonicheskie sbory. (In: Taĩmyrskaiia gidrograficheskaiia

ékspeditsiia, 1932. Trudy, 1935. Ch. 2, p. 203-215) **Title tr.:** Benthonic samples. (*Taimyr* Hydrographic Expedition, 1932)

Contains station lists for bottom animals collected from eight localities, including the White Sea narrows, Shokolskiy Strait (Severnaya Zemlya), and four in Kara Sea: off Vize Island, off northern Novaya Zemlya, in the central part of the sea, and near Nordenskiöld Archipelago. Includes bibliography (88 items).

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5937. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Biologicheskie indikatory i ikh znachenie v issledovanii Arktiki. (Arctica, 1934. No. 2, p. 113-25) **Title tr.:** Biological indicators and their importance in the study of the Arctic.

A discussion of the value and importance of biological indicators, i.e. definite organisms, or complexes of organisms (such as those found in plankton), for oceanographic research in the Arctic. Summary in English.

Copy seen: DLC.

5938. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Donnoe naselenie morei Sovetskoi Arktiki. (Problemy Arktiki, 1939, no. 7-8, p. 89-96, map) **Title tr.:** Benthos of the Soviet arctic seas.

Based on the study of collections made by the ice-breaker *Sadko* in the Arctic Basin north of Kara Sea in 1935, and north of Laptev Sea in 1938, a list of abyssal organisms, and results of their preliminary analysis.

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5939. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Donnoe naselenie Novosibirskogo melkovod'ia i tsentral'noi chasti Severnogo Ledovitogo okeana. (In: Dreifuushchaya ékspeditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940. Trudy, 1946. T. 3, p. 30-138, illus., plate, map, tables) **Title tr.:** Bottom life of the Novosibirian shoalwaters and the central part of the Arctic Ocean.

The results of marine fauna investigations made (north of 80°N. between 65°-95°E.) during the voyage of the ice-breaker *Sadko*, 1935, and during her drift with the *Sedov* 1937-38 north of the New Siberian Islands; with lists of species taken, stations (with map showing locations), and a discussion on

genetics and distribution of various species. Bibliography, p. 135-36. Summary in English. **Copy seen:** DLC.

5940. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Dvustvorchatyi molliusk Portlandia Arctica (Gray), kak pokazatel' raspredeleniia materikovykh vod v sibirskikh moriakh. (Problemy Arktiki, 1940, no. 11, p. 46-55, fold. map) **Title tr.:** Bivalve mollusc *Portlandia arctica* (Gray) as an indicator of distribution of continental waters in the Siberian seas.

A zoogeographical sketch based on the study of collections from about forty expeditions, 1906-1938. Map shows distribution of *Procamusium groenlandicum* and *Portlandia arctica* in the seas from Franz Josef Land and Novaya Zemlya eastward to the Chukchi Sea. **Copy seen:** DLC.

5941. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Fauna Crustacea—Decapoda severnoi poloviny Karskogo moria. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1934. T. 9, p. 59-77, tables) **Title tr.:** Crustacea—Decapoda of the northern half of Kara Sea.

Study of crabs and shrimps mainly collected by the author during the voyages of the ice-breaker *Sedov* in 1929 and 1931. Summary in German.

Copy seen: DLC.

5942. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Iglokozhiye severnoi poloviny Karskogo moria. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1933. T. 8, p. 5-78, tables, fold. map) **Title tr.:** Echinodermata of the northern half of Kara Sea.

Based on collections made by the author during the voyages of the ice-breaker *Sedov*, 1929-30, on the *Lomonosov* collections of 1931, and published reports of earlier expeditions.

Detailed study of the distribution of echinoderms in that portion of Kara Sea north of a line between the northern end of Novaya Zemlya and the southern end of Severnaya Zemlya, giving tabular and systematic data on thirty-eight species, and discussion of the hydrologic régime of northern Kara Sea as it relates to warm Atlantic water movements. Bibliography (50 items). Summary in German.

Copy seen: DLC.

5943. GORBUNOV, GRIGORII PETROVICH, 1894-1942. K poznaniū fauny iglokozikh poberezh'ia Severnogo ostrova Novoi Zemli. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1933. T. 7, p. 41-70, tables) *Title tr.*: Echinoderms from the coast of the northern island of Novaya Zemlya.

Annotated list of thirty-four species, with localities in Novaya Zemlya coastal waters where specimens were collected 1924-25, 1927 and 1931. Summary in German. *Copy seen*: DLC.

5944. GORBUNOV, GRIGORII PETROVICH, 1894-1942. K poznaniū fauny iglokozikh Zemli Frantsa-Iosifa i moria korablev Viktorii. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1932. T. 2, p. 93-140, map) *Title tr.*: On Echinodermata of Franz Joseph Land and Queen Victoria Sea.

Study of material collected in 1927, 1929-30, during voyage of the *Sarnitza* and *Sedov*; list, with localities, depths, salinity, and bottom characteristics, of thirty-one species of echinoderms, including two species new to Franz Josef Land waters; a station list showing species and hydrographic conditions; and a bibliography (31 items). Summary in German.

Copy seen: DLC.

5945. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Die Lumenkolonien von Nowaja-Semlja. (Ornithologische Monatsberichte, Juli-Aug. 1927. Jahrg. 35, p. 97-102) *Title tr.*: The loomerries of Novaya Zemlya. Translation of his *Ptich'i bazary Novoi Zemli*, 1925, q.v.

Copy seen: DSI-M.

5946. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Materialy po faune Decapoda Zemli Frantsa Iosifa. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1932. T. 2, p. 80-92) *Title tr.*: Contribution to the decapod fauna of Franz Josef Land.

Based on collections of 1927, 1929 and 1930 in Barents and Queen Victoria Seas and the waters of the archipelago. Discussion of geographic distribution, ecologic characteristics, habits and abundance of six species of decapod crustaceans; with a bibliography (20 items). Summary in German.

Copy seen: DLC.

5947. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Materialy po faune

mlekoopitaushchikh i ptits Novoi Zemli. (Leningrad. Institut po izucheniiu Severa. Trudy, 1929. Vyp. 40, p. 169-239) *Title tr.*: Observations on the mammals and birds of Novaya Zemlya.

Author's observations made during the Novaya Zemlya Expeditions of the Institute for the Study of the North, 1923, 1924, 1925 and 1927; lists twelve mammals and forty-eight birds also twenty-two known rookeries. Summary in German.

Copy seen: DLC.

5948. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Novye i interesnye vidy Mollusca i Brachiopoda iz Severnogo Ledovitogo okeana. (In: Dreifuushchaya ekspeditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 308-322, illus., 4 plates) *Title tr.*: New and interesting species of Mollusca and Brachiopoda from the Arctic Ocean.

Descriptions of one mollusc species and fifteen (including eight new) species of brachiopods taken by the icebreaker *Sadko*, 1935 and 1937-38, with a list of stations (coordinates and depths given). Summary in English.

Copy seen: DLC.

5949. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Predvaritel'nyi otchet po issledovaniū presnykh i solonovatykh vodoemov Novoi Zemli, proizvedennomu v 1923, 1924 i 1925 gg. (Leningrad. Institut po izucheniiu Severa. Trudy, 1929. Vyp. 40, p. 147-54) *Title tr.*: A preliminary report on the investigations of fresh and brackish waters of Novaya Zemlya 1923, 1924 and 1925.

Account of investigation of one hundred twelve fresh and seventeen brackish water ponds, pools and lakes on Novaya Zemlya; with discussion and list of their fauna. Includes investigations also made in 1927. Summary in German.

Copy seen: DLC.

5950. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Ptich'i bazary Novoi Zemli. Moskva, 1925. 47, [1] p., illus., maps. (Leningrad. Institut po izucheniiu Severa. Trudy. Vyp. 25; Novaya Zemlia, ekspeditsiia 1921-1924 gg. pod nachal'stvom R. L. Samoilovicha. Chast' 1) *Title tr.*: The loomerries of Novaya Zemlya.

Results of author's two-year investigation (with the Northern Scientific

and Economic Expedition 1920-26) of water birds on Novaya Zemlya, particularly in the region of Malye Karmakuly and Pukhov Bay on the southwest coast; their nesting, breeding, migration habits, egg production, etc., and list of eighteen loomerics or breeding places. Bibliography p. 44-45. Summary in English. *Copy seen:* DLC.

5951. GORBUNOV, GRIGORII PETROVICH, 1894-1942. Ptitsy Zemli Frantsiia. Leningrad, 1932. 244 p., tables. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 4) *Title tr.:* Birds of Franz Josef Land.

Based on previously published work, on collections of several expeditions and on the author's observations in 1927, 1929 and 1930 (in the *Sedov*). Description of the general ornithological characteristics of northern Barents Sea and Franz Josef Land, and detailed notes of occurrences, abundance and habits of twenty-six species of birds; with a bibliography (52 items). Summary in German. *Copy seen:* DLC.

5952. GORBUNOV, GRIGORII PETROVICH, 1894-1942, and N. N. GAKEN. Otchet ob uchastii v sovetsko-germanskikh issledovaniakh Barentsova moria i o drugih morskikh rabotakh 1927 g. (Leningrad. Institut po izucheniiu Severa. Trudy, 1929. Vyp. 40, p. 119-28, illus.) *Title tr.:* A report on the participation in Soviet-German studies of Barents Sea and on other marine work, 1927.

A brief account of the hydrographic surveying of the Novaya Zemlya Expedition of the Institute for the Study of the North, 1927. Summary in German. *Copy seen:* DLC.

GORBUNOV, GRIGORII PETROVICH, 1894-1942, see also Annenkova, N. P. K faune Polychaeta. 1932.

GORBUNOV, GRIGORII PETROVICH, 1894-1942, see also Vize, V. I., & others. Sovetskaiia Arktika. 1946.

GORBUNOV, GRIGORII PETROVICH, 1894-1942, see also Zhurnal plavaniia Novozemel'skoi ekspeditsii za 1925 g. 1929.

5953. GORDEEV, M. Pomidory na Omskom severe. (Sovetskaiia Arktika, 1938, no. 7, p. 84-85) *Title tr.:* Tomatoes in north Omsk.

Based on experience of the Salekhard station (about 66°30'N. 66°40'E.) in 1937. *Copy seen:* DLC.

5954. GORDEEV, V. Ledianaiia podushka "Sedova". (Sovetskaiia Arktika, 1940, no. 8, p. 54-56, illus.) *Title tr.:* The *Sedov's* ice cushion.

Account of the *Sedov* caught in the ice pack of Laptev Sea, Jan. 1938; the behavior of the pack ice and use of explosives to prevent the ship from being crushed. *Copy seen:* DLC.

5955. GORDEEV, V. O chem govorit dreif karavana "Sadko". (Sovetskaiia Arktika, 1939, no. 2, p. 77-79, illus., table) *Title tr.:* What the drift of the *Sadko* tells us.

Analysis of the ice-breaker *Sadko's* drift in 1937-38 northwest of New Siberian Islands, by a member of the expedition. *Copy seen:* DLC.

5956. GORDEEV, V. D. Prizmaticheskii dnocherpatel'. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia, 1945. T. 19, p. 99-104, diagr.) *Title tr.:* The prismatic bottom sampler.

Description of a bottom sampler especially constructed for conditions peculiar to the bottom formation of the Sea of Okhotsk. *Copy seen:* DLC.

5957. GORDEEV, V. K. Vzryvnye raboty vo l'dakh, proizvedennye ekspeditsei na "Cheliuskine". (In: Shmidt, O. I., and Ia. Ia. Gakkel', eds. Nauchnye rezultaty rabot ekspeditsii na "Cheliuskine" i v lagere Shmidta, 1938. T. 2, p. 189-243, sketch maps, diagrs.) *Title tr.:* Work with explosives among the ice, as carried out by the *Cheliuskine* expedition.

Examination of types of explosives and description of the use of ammonal to clear passages for the *Cheliuskine* in the Kara and Chukchi Seas, particularly the latter. Information on ice conditions in those waters and the relation of the *Cheliuskine's* design to its ability to navigate under conditions encountered, with some remarks on other ships. *Copy seen:* DLC.

5958. GORDIENKO, N. A. Omul' (*Coregonus autumnalis* Pall.) nizov'ev reki Eniseia. (Leningrad. Nauchno-issledovatel'skii institut pol'arnogo zemledeliia, zhivotnovodstva i promyslovo

khoziāistva. 1938. Seria promyslovogo khoziāistva. Vyp. 3, p. 81-100) **Title tr.:** The white fish (*Coregonus autumnalis* Pall.) of lower Yenisey River.

A study of the white fish and fisheries of the Yenisey River, based on materials collected in 1934-35, with data on the age, weight, size, rate of growth and some statistics on catches in the region. **Copy seen:** DLC.

GORDON, ANDREW ROBERTSON, see Canada. Dept. of Marine & Fisheries. Report Hudson's Bay Expedition, 1886. 1887.

5959. GORDON, CLYDE EDWARD, 1890- , and CHARLES BARKER. War on the Richardson Highway. (Alaska life, Nov. 1940. v. 3, no. 11, p. 3, 16-18, illus.)

History of the development of this Valdez-Big Delta highway from 1898, and criticism of U. S. Dept. of the Interior for levying tolls on truckers, beginning 1935, thus forcing greater use of the Alaska Railroad.

Copy seen: DLC.

5960. GORDON, GEORGE BYRON, 1870-1927. In the Alaskan wilderness. Philadelphia, John C. Winston Co., 1917. 247 p. front. (port.) 48 plates, 3 maps (2 fold.)

Account of a canoe and boat journey in 1907 from Whitehorse, down the Yukon, up the Tanana, and Kantishna, and down the Kuskokwim Rivers, during which the author collected for the University of Pennsylvania Museum. Includes directions for building a canoe, a table of distances, notes on the Indians of the region and (in some detail) the material culture of the West Alaska Eskimos found in the lower reaches of the Kuskokwim; with a vocabulary.

Copy seen: DLC; NNS Stef.

5961. GORDON, GEORGE BYRON, 1870-1927. Notes on the western Eskimo. (Pennsylvania. University. University Museum. Transactions of the Dept. of Archaeology, 1906. v. 2, pt. 1, p. 69-101, 23 illus., 18 plates)

Analysis of the current status of culture of the West Alaska Eskimos, with discussion of the effects of white contacts upon the accustomed food supply, clothing, and fuel of the Eskimos. Includes descriptions of trade and pottery utensils of Alaskan and Sibe-

rian Eskimos, education, cat's cradles (string games), engraving, carving, and tattooing of the Eskimos of the Alaskan mainland and islands. The information was collected in connection with an expedition sent from the University of Pennsylvania Museum in 1905. **Copy seen:** DLC.

5962. GORDON, HENRY. Life in Labrador. (United Empire; Royal Colonial Institute journal, 1923. New ser. v. 14, p. 285-88)

An address before the Institute, Mar. 1923, by a clergyman from Cartwright, who describes the country, climate, mode of living of white and native people and their health. **Copy seen:** CaO.

5963. GORDON, SAMUEL GEORGE, 1897- . Minerals obtained in Greenland on the Second Academy-Vaux Expedition, 1923. (Academy of Natural Sciences of Philadelphia. Proceedings, 1924, pub. 1925. v. 76, p. 249-68)

The expedition spent several weeks in various localities of the Julianehaab District, southwest Greenland. The author gives description of Narsarsuaq mineral locality, list of forty-six minerals arranged by localities, and descriptions of five new finds.

Copy seen: DLC.

5964. GORDON, SAMUEL GEORGE, 1897- . Mining cryolite in Greenland. (Engineering and mining journal, Feb. 6, 1926. v. 121, p. 236-40, illus.)

Based on the author's visit in 1923, for the Academy of Natural Sciences of Philadelphia; description of Ivigtut, the mining, geology and mineralogy of the cryolite deposit, its discovery and development. **Copy seen:** DGS.

5965. GORDON, SAMUEL GEORGE, 1897- . On arfvedsonite, riebeckite, and crocidolite from Greenland. (Academy of Natural Sciences of Philadelphia. Proceedings, 1927, pub. 1928. v. 79, p. 193-205, illus.)

Detailed mineralogic descriptions of the amphiboles obtained by the Second Academy Mineralogical Expedition, 1923, from various localities in the Julianehaab District, southwest Greenland. **Copy seen:** DLC.

5966. GORDON, SAMUEL GEORGE, 1897- . The Second Vaux-Academy Mineralogical Expedition: the Julianehaab District of Greenland. (Academy

of Natural Sciences of Philadelphia. Yearbook, 1923, pub. 1924. p. 3-12, 4 plates)

The Academy sent the author to collect minerals during July-Sept., 1923, in the region northeast of Julianehaab. This paper is an account of his activities, with descriptions of the surroundings at the various camps on Kangerdluarsuk, Igalik, and Tunugdliarfik Fiords. **Copy seen:** DLC.

5967. GORDON, SETON PAUL, 1886-. Amid snowy wastes; wild life on the Spitsbergen Archipelago. London, New York [etc.] Cassell & Co., Ltd., 1922. xiv, 205, [1] p. 62 plates, incl. ports., 2 maps (1 fold.)

A personal narrative of the photographer for the Oxford University Expedition, 1921, mainly concerning the birds of the archipelago, with description of Prince Charles Foreland and the tundra, and notes on the seals and flowers; with an index.

Copy seen: DLC; NNStef.

5968. GORDON, WILLIAM JOHN. Round about the North Pole. London, J. Murray, 1907. xii, 294 p., 1 l. 67 plates, incl. ports., 6 maps. Also issued in New York by Dutton, 1907.

A history of exploration and research arranged regionally.

Copy seen: DLC; NNStef.

5969. GORHAM MANUFACTURING CO. The soul of Alaska; a comment and a description, to which is added a catalogue raisonné of a series of bronze statuettes illustrative of Alaskan Indian characteristics and social habits, modelled by Louis Potter and cast into bronze by the Gorham Company. New York, Gorham Co., 1905. 96 p. incl. 6 plates.

Word sketches of various aspects of Tlingit life to accompany the photographic reproductions of L. Potter's bronzes. **Copy seen:** DLC; NNStef.

5970. GORMAN, RICHARD F., ed. Fur farming opportunities in Alaska. Juneau, Alaska Development Board, 1947. 40 p.

Information on fox and mink for prospective farmers, in Southeast Alaska, Anchorage and Ketchikan regions especially, with details on mink raising by Dr. C. K. Gunn. **Copy seen:** DA.

5971. GORODKOV, BORIS NIKOLAEVICH, 1890-. Bezlesie tundry. (Bota-

niko-geograficheskie nablúdeniâ v zapadnoi Sibiri). (Priroda, 1929, no. 3, p. 219-40, illus.) **Title tr.:** Lack of woods in tundra. (Geobotanical observations in western Siberia).

Contains a study of the causes of the absence of woods in tundra regions, based on the works of the earlier arctic explorers and the author's own investigations, carried out in 1914, 1915, 1917 and 1923-28, in western Siberia. Includes data on characteristics and succession of tundra vegetation and the influence of seasonal climatic changes on the low woody vegetation.

Copy seen: MH.

5972. GORODKOV, BORIS NIKOLAEVICH, 1890-. Dvizhenie rastitel'nosti na severe lesnoi zony Zapadno-Sibirskoi nizmennosti. (Problemy fizicheskoi geografii, 1946. Vyp. 12, p. 81-105) **Title tr.:** The succession of vegetation on the northern limit of the forest zone of the western Siberian lowland.

Contains an ecological study of plant associations and succession of the vegetation from taiga to tundra in low swampy northwestern Siberia, including roughly the Omsk and Krasnoyarsk regions.

Copy seen: MH.

5973. GORODKOV, BORIS NIKOLAEVICH, 1890-. Est' li rodstvo mezhdú rastitel'nost'iu stepi i tundr? (Sovetskaya botanika, 1939, no. 6-7, p. 41-66) **Title tr.:** Is there any resemblance between the tundra and the steppe?

Contains a discussion of resemblance between the vegetation of the tundras and steppes, with study of the origin of both vegetations, the influence of soil, climate, glaciation and plant migration. Includes a list of seventeen grasses grown in both tundra and steppe, and a bibliography (75 items). Summary in English.

Copy seen: MH-A.

5974. GORODKOV, BORIS NIKOLAEVICH, 1890-. Estestvennye pastbishchnye ugod'ia tundrovoi zony DVK. (Sovetskoe olenevodstvo, 1933. Vyp. 2, p. 119-67, fold. map) **Title tr.:** Natural grazing lands of the tundra part of the Far-Eastern Province.

Contains data on types of pasture; current number of reindeer and their forage requirements; the forage production and reindeer capacity; list of plants mentioned in the text. Summary in English.

Copy seen: CaOA; DF.

5975. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Geobotanicheskiĭ i pochvennyi ocherk Penzhinskogo raiona Dal'nevostochnogo kraia. (Akademiia nauk SSSR. Dal'nevostochnyi filial. Trudy. Seriya botanicheskaiia, 1935. T. 1, p. 7-84, illus.) *Title tr.*: Geobotanical and soil survey of the Penzhina region of the Far East.

Contains a geobotanical survey of the vegetation of the Penzhina River basin, Kamchatka, carried out by the Expedition of the Reindeer Industry Institute of the Lenin Agricultural Academy in 1932. Includes some historical data, study of soils and plant associations of mountainous and lowland zones, general description of landscapes, an economic estimate of the vegetation as a source of fodder, and a list of cryptogamic and higher plants. Summary in German.

Copy seen: MH-A.

5976. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Geobotanika i aviatsiia na Severe. (Sovetskaiia botanika, 1935, no. 2, p. 3-7) *Title tr.*: Geobotany and aviation in the North.

Contains a discussion of the use of airplanes for geobotanical investigation and mapping in the Arctic, based on the author's exploration of the Chukotsk Peninsula with pilot F. B. Farikh in 1934. Includes a table of ten typical landscapes enabling the pilot to choose a suitable landing place.

Copy seen: MH-A.

5977. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Itogi izuchenii prirosta lichainikov. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 87-115) *Title tr.*: A study of the growth of lichens.

Summary in English.

Copy seen: CaOA; DF.

5978. GORODKOV, BORIS NIKOLAE-VICH, 1890-. K sistematike evropeisko-aziatskikh predstavitelei roda *Sagittaria*. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1913. Vyp. 10, p. 128-67, illus.) *Title tr.*: On the systematics of the Eurasian representatives of the genus *Sagittaria*.

Contains a taxonomic study of this genus of aquatic herbs, often called arrowheads, with keys to the species, synonymy, Latin descriptions, critical notes and detailed data on distribution; includes *Sagittaria natans* occurring in

Vilyuy River valley (Yakutia) and Kamchatka Peninsula.

Copy seen: NNBG.

5979. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Kratkii ocherk naseleeniia kraego severo-vostoka Zapadnoi Sibiri. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1926. T. 58, vyp. 2, p. 50-78) *Title tr.*: A short sketch on the inhabitants of the extreme northeast of western Siberia.

Contains results of the West-Siberian Expedition of the Academy of Sciences, U.S.S.R. to the basins of the Agan and Pura Rivers. The ethnography of the tundra and forest Samoyeds and Ostyaks is given, including divisions, migration routes, reindeer breeding, hunting and fishing (statistical data of production relations with the Soviet government), clans, dwellings, food, boats, and tools.

Copy seen: DLC.

5980. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Les na polarnom predele. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1937. T. 69, vyp. 1, p. 175-77) *Title tr.*: The tree line in polar regions.

Contains a résumé of a report to the Commission of Waters and Forests of the Geographical Society of U.S.S.R., dealing with the problem of degradation and disappearance of forests in the arctic regions of European and Asiatic U.S.S.R.

Copy seen: NN.

5981. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Listvennye mkhi (Bryinae) vostochnogo sklona Pol'arnogo Urala. (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1932. Vyp. 24, p. 43-62, illus.) *Title tr.*: Leaved mosses (Bryinae) of the eastern slopes of the Ural Mountains.

Contains an enumeration of one hundred thirty-five species of leaved mosses (one new), with data on the habitat, fructification and local distribution, based on collections of the author (1924-26) and V. N. Sukachev (1909) on the southern slopes of northern Urals in the basin of Ob' River. Summary in German.

Copy seen: MH-A.

5982. GORODKOV, BORIS NIKOLAE-VICH, 1890-. Materialy dlia poznaniia gornyykh tundr pol'arnogo Urala. (In: Ural; pripol'arnye raiony, 1935,

p. 177-244, tables) *Title tr.*: Materials regarding the mountain tundras of the Polar Ural.

A study of plants based on the information gathered during an expedition to the northern Urals, 1924-26. The plants are grouped according to zones as determined by elevation, soil, etc. In addition, lists of about 800 species are given showing altitudes and localities for each. Summary in English, p. 305-306. *Copy seen:* DLC.

5983. GORODKOV, BORIS NIKOLAE-VICH, 1890- . O vozmozhnosti olenovodstva na ostrove Vrangeliâ. (Problemy Arktiki, 1939, no. 2, p. 81-85) *Title tr.*: On the possibility of reindeer breeding on Wrangel Island.

Assessment of possibilities, based on botanical investigations of the island during the Expedition of the Academy of Sciences in 1938. *Copy seen:* DLC.

5984. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Ob osobennostiakh pochvennogo pokrova Arktiki. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiâ, 1939. T. 71, vyp. 10, p. 1516-32, map) *Title tr.*: Distinctive characteristics of top soil in the Arctic.

A discussion of top soil in the Soviet Arctic and of the conditions peculiar to its formation. Bibliography, p. 1531-32. *Copy seen:* DLC.

5985. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Obzor russkikh osok. I. (Akademiâ nauk SSSR. Botanicheskii muzei. Trudy, 1927. Vyp. 20, p. 198-219, illus.) *Title tr.*: A survey of Russian sedges. I.

Contains a critical revision of Russian species of sedges with keys to the sections, subsections and species of the genus *Carex*, synonymy and data on distribution in the U.S.S.R. and other countries; includes many native to the arctic regions. *Copy seen:* MH-A.

5986. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Opyt klassifikatsii rastitel'nosti Arktiki. (Sovetskaiâ botanika, 1946. T. 14, no. 1, p. 5-18; no. 2, p. 79-84) *Title tr.*: Attempt at a classification of vegetation of the arctic regions.

Contains an attempt at classification of arctic vegetation with a review of theories and schemes of various geobotanists; a discussion of the origin of

arctic vegetation, various types, succession, influence of climatic and edaphic factors, author's system of classification of arctic vegetation; p. 79-83, bibliography (36 items).

Copy seen: MH-A.

5987. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Pochvy Gydanskoi tundry. (Akademiâ nauk SSSR. Polârnaiâ komissiâ. Trudy, 1932. Vyp. 7, p. 1-78, illus., map, tables) *Title tr.*: The soils of Gydan Tundra.

Study on the characteristics of soils in the region (70°-71°N. 76°-80°E.), based on the author's observations during the Gydan Expedition in summer 1927. Includes (1) historical outline of investigations of tundra soils in the U.S.S.R., p. 1-4; (2) geological and geomorphological sketch of the Gydan area, p. 4-11; (3) climate (p. 11-19): mean annual and monthly air temperatures, amount of precipitation, wind velocity, (based on records of three stations near the mouth of the Yenisey River at the eastern end of Gydan Tundra), depth of snow cover, temperature of the soil, and depth of permafrost according to investigations of the Expedition near Malyy Yuribey River (70°47'N. 77°4'E.) Sept.-Nov. 1927; (4) vegetation: limits of the different subzones of the tundra (with map), list of about 50 plant associations found in the region, p. 19-22; (5) description of various types of clay, and (6) sandy soils, p. 22-62; (7) features of soil formations peculiar to the tundra, and geographical subdivisions, p. 62-74. The location of permanently frozen ground is indicated in various instances especially in sections 2, 4-6. Bibliography (167 items). *Copy seen:* NN.

5988. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Pochvy tundry. (Priroda, 1929, no. 7-8, p. 704-707) *Title tr.*: Soils of the tundras.

Contains a morphological-chemical survey of the deep soil of the tundra region between the mouths of the Yenisey and Ob' Rivers (71°N.).

Copy seen: MH.

5989. GORODKOV, BORIS NIKOLAE-VICH, 1890- . Polârnnye pustyni ostrova Vrangeliâ. (Botanicheskii zhurnal, 1943. T. 28, no. 4, p. 127-43) *Title tr.*: Polar deserts of Wrangel Island.

Contains geobotanical and ecological survey of the vegetation of Wrangel

Island, based on the author's exploration during the Expedition of the Academy of Sciences, U.S.S.R., in 1938 and on the observations of later explorers. Includes data on plant associations of such various geobotanical formations as tundras, marshes, peat-bogs and especially polar deserts. Summary in French. *Copy seen:* DLC; MH-A.

5990. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Poliarnyi Ural v verkhnem techenii reki Sobi.* (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, 1926. Vyp. 19, p. 1-74, plates 1-4) *Title tr.:* The Arctic Urals in the upper course of Sob' River. Résumé was published in Akademiia nauk SSSR. Bulletin, mai 1926. Sér. 6, t. 20, p. 745-66.

A result of the North Ural Expedition of 1924. A geobotanical survey of the vegetation of the Arctic Ural Mts. in the region of Sob' River, a tributary of the Ob' (at about 66°N. 66°E.), and the Voykar River. Includes data on the botanical exploration of the region, climate, soils and plant associations of various zones of the Arctic Ural region and west Siberian lowland; alphabetical index of plans, p. 71-74. Summary in German. *Copy seen:* MH-A.

5991. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Poliarnyi Ural v verkhov'iax rek Voikara, Syni i Liapina.* (Akademiia nauk SSSR. Komissiiia ekspeditsionnykh issledovanii. Materialy, 1929. Vyp. 7, Seriiia ural'skaia: Severnyi Ural, p. 1-31, illus., incl. sketch map) *Title tr.:* The Arctic Urals in the region of the upper Voykar, Synya and Lyapin Rivers.

Preliminary report by the leader of the third year of the Northern Ural Expedition of the Academy of Sciences U.S.S.R., summer 1926. Gives notes on the itinerary, the geomorphology of the region and its vegetation, surface characteristics, fauna, and summer inhabitants. Summary in German. *Copy seen:* DLC.

5992. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Rastitel'nost' Arktiki i gornyykh tundr SSSR.* (Akademiia nauk SSSR. Botanicheskii institut. Rastitel'nost' SSSR, 1938. T. 1, p. 297-354, illus.) *Title tr.:* Vegetation of the Arctic and mountainous tundras of the U.S.S.R.

Contains geobotanical study of the vegetation of the Arctic, which is

divided by the author into five zones from south to north, and into twelve phytogeographical regions, including six mountain systems, from west to east. The influence of physico-geographical factors, plant associations and their succession is considered in detail for each zone and mountain system. *Copy seen:* MH-A.

5993. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Rastitel'nost' tundrovoi zony SSSR.* Moskva, Izd-vo Akademii nauk SSSR, 1935. 141, [1] p. illus., fold. map. *Title tr.:* Vegetation of the tundra zone in the U.S.S.R.

Contains notes on extent and climate of the tundra zone; a detailed description of plant associations and other characteristics of the various types of tundras; an index to plant species discussed in the text, and a bibliography (97 items). *Copy seen:* DLC.

5994. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Tundra i al'piiskii poias gor.* (Priroda, 1929, no. 11, col. 993-94) *Title tr.:* Tundra and alpine belt of mountains.

Contains a comparative study of tundras and mountainous regions of northern European U.S.S.R. and similar regions of the Caucasus. *Copy seen:* MH.

5995. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Tundry Ob'-Eniseiskogo vodorazdela.* (Sovetskaiia botanika, 1944, no. 3, p. 3-20; no. 4-5, p. 20-31) *Title tr.:* Tundras of the Ob'-Yenisey watershed.

Contains results of the study of tundras of Gydan Peninsula between Yenisey and Ob'-Taz Bays (Obsko-Tazovskaya Guba) carried out by Gydan Expedition of the Academy of Sciences U.S.S.R. in 1927. Special attention is given to succession of tundra plant associations and analyses of various zones of tundra vegetation. *Copy seen:* MH-A.

5996. GORODKOV, BORIS NIKOLAEVICH, 1890-. *Vechnaiia merzlota i rastitel'nost'.* (Akademiia nauk SSSR. Komissiiia po izucheniiu estestvennykh proizvoditel'nykh sil SSSR. Materialy, 1930, No. 80, Vechnaiia merzlota, p. 135-56) *Title tr.:* Permafrost and vegetative cover.

Contains discussion on interrelation of permafrost and vegetation of the

area. It is stressed that the most important factor is not the thickness of permanently frozen layer but the degree of summer thawing, and depressing effect of low temperature if combined with excessive evaporation. Distribution of major types of trees and other forms of vegetation is discussed and reason for their adaptability to the area indicated. Data on permafrost as a factor in the formation of peat bogs, marshes, and micro-relief are given. Bibliography (52 items).

Copy seen: DGS; NN.

5997. GORODKOV, BORIS NIKOLAEVICH, 1890- . Vechnaia merzlota v Severnom Krae. (Akademii nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil SSSR. Trudy. Serii severnaia, 1932. Vyp. 1, p. 5-105, illus.) *Title tr.*: Permafrost in the far North.

Contains results of field investigations for the study of permafrost in the area between the mouths of the Pechora and Ob' Rivers (particularly in the Usa basin in 1931), in five sections:

1. *The southern limits of permafrost in the far North.* A critical survey of published data checked by observations of the micro-relief as an index of permafrost.

2. *Depth of summer thawing of the ground in the far North.* A critical survey of published data and of theoretical assertions concerning the various factors influencing it (vegetation cover, surface waters, snow cover). This is contrasted with actual observations in a series of pits under various types of vegetable covering.

3. *Ground moisture in the far North.* Published material on ground moisture and connected phenomena (solifluction, swelling, etc.) supplemented with data from a series of test pits and trenches.

4. *Thickness of permafrost in the far North.* Failing the facilities for deep boring, the indirect method of estimation is used.

5. *Flora and soils of the northern limits of the forest zone.* Detailed data on flora of the region (ecological phytogeography) which aids permafrost studies, and contributes to conclusions on soil conditions. The last part contains a short summary, a list of practical suggestions, also a bibliography of 104 items.

Copy seen: NN.

5998. GORODKOV, BORIS NIKOLAEVICH, 1890- . Zametki ob osokakh Soŭza SSR. I. (Botanicheskii zhurnal, 1930. T. 15, no. 1-2, p. 179-86, illus., text map) *Title tr.*: Notes on sedges of the U.S.S.R. I.

Contains systematic notes on five subspecies of the sedge, *Carex rigida*, including subsp. *inferalpina* occurring in all arctic regions of the U.S.S.R., and *kamtschatica*, native to Kamchatka Peninsula, also Latin diagnosis of *C. soczavacana* n. sp. from the Chukotsk Peninsula.

Copy seen: MH-A.

5999. GORODKOV, BORIS NIKOLAEVICH, 1890- . Zapadno-Sibirskaiia ekspeditiia Rossiiskoi akademii nauk i Russkogo geograficheskogo obshchestva. (Priroda, 1924, no. 7-12, col. 3-32, illus., map) *Title tr.*: West Siberian Expedition of the Russian Academy of Sciences and of the Russian Geographic Society.

An account of the journey of the West Siberian Expedition, May, 1923-Jan. 1924, to explore the little known basin of the Pur River north to its effluence in Taz Bay, then traveling westward overland to Ob' River. Includes description of expedition's experiences en route and of the Samoyeds encountered.

Copy seen: DF.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Gaze, O. F. Spisok sfagnovykh mkhov. 1930.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Gerasimov, D. A. Sfagnovye mkhi Urala i zapadnoi Sibiri. 1931.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Savich, V. P. Lishainiki Tobol'skoi gub. 1914.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Savich, V. P. Spisok lishainikov Tobol'skoi gub. 1916.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Savich, V. P. Tobol'skie lishainiki. 1926.

GORODKOV, BORIS NIKOLAEVICH, 1890- , *see also* Vize, V. Iu., & others. Sovetskaiia Arktika. 1946.

6000. GORODTSOV, P. A. Azan-ŭrty. (Etnograficheskoe obozrēnie, 1906, no. 1-2, p. 108-112) *Title tr.*: Azan-ŭrty. [Tartar name of a settlement].

Contains a west Siberian tale about a Russian who uses trickery to buy land from the Yakuts, the Yakut original version of the tale and its classical parallel.

Copy seen: NN.

6001. GOROKHOVA, E. V. Izvestniâki Severnogo Kraia i ikh ispol'zovanie. Arkhangel'sk, Sev. kraevoe izd-vo, 1935. 114 p., illus., fold. map, tables. *Title tr.*: Limestone in the far North and its utilization.

Account of limestone and marl deposits in the Severnaya Dvina, Onega, Vychegda, Pechora, Mezen', and Indiga River basins along the Archangel-Vologda railroad, and in some other sections of the region; based on the results of geological investigations carried out by the author in 1924-34, and on the literature. Gives characteristics (in detail) of the rocks and their industrial utilization (p. 95-105), and results of analyses of specimens from various localities; also alphabetical list of about 300 localities with limestone and marl occurrences. Bibliography (over 100 items).

Map shows railroads and localities of rock deposits and outcrops, with references to a detailed description in the text, scale 1:3,000,000.

Copy seen: DLC.

6002. GORRELL, JOSEPH R. A trip to Alaska. Newton, Ia., 1905. [40] p. Letters to the editor of the *Newton Herald*, describing the author's trip to Southeast Alaska; its scenery, towns and people.

Copy seen: DLC; NNS Stef.

6003. GORSHKOV, G. P., and V. V. POPOV. Kratkii ocherk seismichnosti Kamchatskogo poluostrova. (Akademiâ nauk SSSR. Kamchatskaia vulkanologicheskaiâ stantsiâ. Bûlleten', 1938. No. 4, p. 23-29, maps) *Title tr.*: A short review of the seismicity of the Kamchatka Peninsula.

A general seismological sketch of Kamchatka, with a chronological description of its strongest earthquakes, 1737-1937. Published also in English with title as above.

Copy seen: DLC.

6004. GORSHKOV, G. P., and V. V. POPOV. A short review of the seismicity of the Kamchatka Peninsula. (U.S.S.R. Academy of Sciences. Kamchatka volcanological station. Bulletin, 1938. No. 4, p. 23-29, maps)

English language edition of their *Kratkii ocherk seismichnosti Kamchatskogo poluostrova*, 1938, q.v.

Copy seen: DLC.

6005. GORSHKOV, P. M. Zadachi gravimetrii v Arktike. (Arctica, 1937. No. 5, p. 103-116, map) *Title tr.*: The problems of gravimetry in the Arctic.

A discussion on the importance of gravimetric studies in the Arctic (with a list of thirty-seven gravimetrically established points in U.S.S.R.) especially in relation to seismographical studies and problems. Summary in English.

Copy seen: DLC.

6006. GORSHKOVA, T. I. Organicheskoe veshchestvo v osadkakh Motovskogo zaliva. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938. T. 5, p. 71-84, diagrs.) *Title tr.*: Organic matter in the bottom sediments of Motovskiy Bay.

Results and discussion of chemical analyses of bottom sediment samples taken by the research vessel *Persei* in 1931, in this bay on the Murman coast (69°33'N. 32°28'E.) between Rybachiy Peninsula and the mainland.

Copy seen: DLC.

GORSHKOVA, T. I., see also Samoïlov, I. A. V., & T. I. Gorshkova. Osadki Barentsova i Karskogo morei. 1924.

6007. GORSKII, I. I. Kamennougol'nye korally Novoi Zemli. Leningrad, 1938. 221, [1] p. illus., 16 plates. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, T. 93) *Title tr.*: Carboniferous corals from Novaya Zemlya.

List of locations, and materials collected there in 1938 for the Arctic Institute of U.S.S.R., with descriptions of about forty new species and bibliography, p. 135-37. Summary in English.

Copy seen: DLC.

6008. GORSKII, I. I. Nekotorye Coelenterata iz nizhnokamennougol'nykh otlozhenii Novoi Zemli. Leningrad, 1935. 128 p., illus., 12 plates. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, T. 28) *Title tr.*: Some Coelenterata from the lower Carboniferous beds of Novaya Zemlya.

Description of a collection of fossils made by B. A. Alferov, 1933 along the western coast of the southern island of Novaya Zemlya, for the Arctic Institute, U.S.S.R.

Contains discussion of the paleontologic relationships of the thirty-six species which were identified; full descriptions of the twenty-one new species and varieties included; and a bibliography (55 items). Summary in English.

Copy seen: DLC.

6009. GORSKII, I. I. Nekotorye Stromatoporoidea iz paleozoïskikh otlozhenii Novoi Zemli. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 101, p. 7-45, illus., 7 plates) *Title tr.:* Some stromatoporoids from Paleozoic beds of Novaya Zemlya.

A study based on material collected for the Arctic Institute of U.S.S.R. with descriptions of seven new species of these fossil coelenterates. Summary in English.

Copy seen: DLC.

6010. GORTSEVSKII, A. A. Nekotorye voprosy fonetiki evenkiïskogo iazyka v svyazi s obucheniem evenkov russkomu iazyku. (Sovetskii Sever, 1938, no. 1, p. 103-111, tables) *Title tr.:* Some questions of Evenki [Tungus] language phonetics in connection with the teaching of the Russian language to the Evenki.

Copy seen: DLC.

6011. GOSLING, WILLIAM GILBERT, 1863-1930. Labrador: its discovery, exploration, and development. London, A. Rivers, 1910. xii, 574 p. incl. tables. 34 plates, incl. ports., 10 maps (1 fold.) Also issued in New York by John Lane Co., 1911.

Scholarly history, from the time of the Norsemen to the 20th century; with chapters on cartography, the Northwest Passage, Eskimos, Moravian missions, the boundary dispute, and on Dr. Grenfell; with an index.

Appendix gives fishing and fisheries statistics.

Copy seen: DLC (London and N. Y. issues); NNStef.

6012. GOTHAN, WALTHER ULRICH EDUARD FRIEDRICH, 1879-. Die fossilen Hölzer von König Karls Land. Uppsala [etc.] Almqvist & Wiksell, 1907. 44 p. illus., plate. (Svenska vetenskapsakademien. Handlingar. Bd. 42, no. 10) *Title tr.:* Fossil wood from King Karl's Land.

Contains a list, with description and discussion of the age, of seven (including three new) species collected by the Swedish Polar Expedition, 1898.

Copy seen: DLC.

6013. GOTHAN, WALTHER ULRICH EDUARD FRIEDRICH, 1879-. Die fossilen Holzreste von Spitzbergen. Uppsala [etc.] Almqvist & Wiksell, 1910. 56 p. 7 plates (Svenska vetenskapsakademien. Handlingar. Bd. 45, no. 8) *Title tr.:* Fossil wood remains from Spitsbergen.

A list, with description and discussion, of thirteen (including six new) species of fossil wood representing the Paleozoic, Triassic, Jurassic, and Tertiary of West Spitsbergen, with a bibliography.

Copy seen: DLC.

6014. GOTSCHII, M. B. V. Vostochnom sektore arktiki. (In: Zubov, N. N., and others, ed. Arkticheskie navigatsii. Sbornik pervyi, 1941, p. 164-74) *Title tr.:* In the eastern sector of the Arctic.

Shipping movements in eastern sector of Northern Sea Route in 1939.

Copy seen: NNStef.

6015. GOTTENBERG, W. L. I learn about halibut fishing. (Alaska sportsman, Feb. 1942. v. 8, no. 2, p. 10-11, 21-23, illus.)

Account of the author's experience living with halibut fishermen; describes the life, living accommodations, and (in brief) the halibut fishing.

Copy seen: DLC.

GOTTWALDT, BIRGER LUND, 1880-, see Amundsen, R. E. G., & others. First crossing Polar Sea. 1927.

GOTTWALDT, BIRGER LUND, 1880-, see also Amundsen, R. E. G., & others. Første flukt over Polhavet. 1926.

6016. GOUDKOFF, P. P. Economic geography of the coal resources of Asiatic Russia. (Geographical review, Apr. 1923, v. 13, p. 283-93, fold. map)

Among the list of "coal basins of secondary importance at the [then] present time" are: Yakutsk Province, and Kamchatka Province.

Map, "Coal fields of Asiatic Russia," shows coal fields and known coal outcrops, which includes the Chukotsk Peninsula.

Copy seen: DLC.

6017. GOULD, HAL. Calling deer. (Alaska sportsman, Jan. 1935. v. 1, no. 1, p. 10-11, 25-26)

Directions for making a deer call and notes on the author's experience in using the call while hunting deer.

Copy seen: DLC.

6018. GOULD, HAL. The chief builds a house. (Alaska sportsman, Nov. 1937. v. 3, no. 11, p. 16-17, illus.)

Detailed description of the construction of a Haida Indian communal house.

Copy seen: DLC.

6019. GOULD, HAL. The Hydah canoe. (Alaska sportsman, Mar. 1935. v. 1, no. 3, p. 16-17, 23, illus.)

Description of the various sizes of canoes used by Haida Indians and methods of their construction.

Copy seen: DLC.

6020. GOULD, HAL. The law of the totem. (Alaska sportsman, Dec. 1935. v. 1, no. 6, p. 19, 25)

A Haida Indian's description of a potlatch, the carving of a totem pole, and some early marriage customs, as told to the author.

Copy seen: DLC.

6021. GOULD, JOHN, 1804-1881. On a new species of ptarmigan. (Zoological Society of London. Proceedings, 1858, p. 354-55)

Notes on *Lagopus hemileucurus* from West Spitsbergen.

Copy seen: DSI-M.

6022. GOULD, LAURENCE MCKINLEY, 1896-, and others. Contributions to the geology of Foxe Land, Baffin Island. (Michigan University. Museum of Paleontology. Contributions, 1928. v. 3, p. 19-76, 17 plates, map) Results of Putnam Baffin Island Expedition, 1927.

Contents: Pt. 1. Gould, L. M. The rocks and their distribution.

FOERSTE, A. F. The cephalopods of Putnam Highland.

HUSSEY, R. C. Corals, brachiopods, gastropods, and ostracods from Putnam Highland.

Papers by Foerste and Hussey appear in this Bibliography under their authors' names.

Copy seen: DGS.

6023. GOULD, LAURENCE MCKINLEY, 1896- Strategy and politics in the polar areas. (American Academy of Political and Social Science. Annals, 1948. v. 255, p. 105-114)

Discussion of sovereignty, the history of changes in bases of political claims, and the more recent sector principle, with notes on strategy in modern times.

Copy seen: DLC.

GOULD, LAURENCE MCKINLEY, 1896-, see also Putnam, G. P., & L. M. Gould. Putnam Baffin I. Exped. 1927. 1928.

6024. GOULD, RUPERT T. Cheyne's proposed arctic expedition, 1880. (Geographical Society of Philadelphia. Bulletin, Oct. 1935. v. 33, p. 99-105)

Contains note (based on British Navy lists, London *Times* articles, 1879-80, and Royal Geographical Society Proceedings, 1880) on Cheyne's participation in three Franklin search expeditions, 1848-54, and analysis of his activities in 1880, promulgating a north polar expedition by balloon.

Copy seen: DLC; NNStef.

6025. GOULD, SYDNEY. Inasmuch; sketches of the beginnings of the Church of England in Canada in relation to the Indian and Eskimo races, by S. Gould, General Secretary of the Missionary Society of the Church of England in Canada. Toronto, 1917. xiv, 285 p. incl. front., illus. (Handbook, no. 1)

Includes chapters on the Northwest Territories, arctic coast, Eskimos, and the Northwest Passage; with a bibliography (33 items).

Copy seen: DLC; NNStef.

6026. GOULET, EMIL OLIVER, 1900- Rugged years on the Alaska frontier. Philadelphia, Dorrance, [1949]. 304 p. illus., ports.

Account, based on his diary, of the author's experience in Alaska, 1931-47, trapping, prospecting, railway, and road-building, mainly in the Chitina region and northward to Fairbanks.

Copy seen: DLC.

GOURDAULT, JULES, see Payer, J. L'odyssée du Tegetthoff 1872-74, 1876.

6027. GOVORUKHIN, V. S. Dinamika landshaftov i klimaticheskie kolebaniia na Krainem Severe. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 3, p. 317-24) *Title tr.:* Landscape dynamics and the climate fluctuations in the far North.

A discussion on the gradually changing climate of the Arctic and the reflection of that process in the physical geography of the region.

Copy seen: DLC.

6028. GOVORUKHIN, V. S. Ocherk rastitel'nosti letnikh pastbishch severnogo olenia v tundrach Obsko-Tazov-

skogo poluostrova. (Zemlevedenie, 1933. T. 35, vyp. 1, p. 68-92, map, table) **Title tr.:** Description of vegetation of summer pastures of northern reindeer in tundras of Ob'-Taz Peninsula.

General information on the soil cover, climatic conditions, population and livestock (reindeer) of Taz Peninsula (66°6'-69°N. 73°-78°E.). Detailed description of different types of tundras suitable for summer pasture of reindeer—the shrub, spotted, cotton grass tundras—and the types of vegetation growing on lowland tundras, on meadows and steep banks of Taz Gulf. Author states that the best pastures with abundant grass and shrub vegetation can not be used in spring and early summer because of mosquitoes and gadflies. In those seasons reindeer herds are directed to the "highland" tundras of watershed regions. Thus pasturage in spring to early summer is mainly in the eastern part of the peninsula and on the banks of Taz Gulf. Includes detailed data on various plant associations, meadows and coast vegetation (with a schematic map) of the region, and table of plant associations on watershed tundras.

This paper is the result of work carried out in 1931 by the author as a botanist of the Expedition of the Agriculture and Soil Institute of the Lenin Academy of Agricultural Sciences (Tobol'sk Section of the State Land Trust). **Copy seen:** NNA.

6029. GOVORUKHIN, V. S. Pátnistaia tundra v gorakh Severnogo Urala. (Zemlevedenie, 1936. T. 38, vyp. 2, p. 153-61, 3 illus.) **Title tr.:** Spotted tundra in Northern Ural Mountains.

Description of investigations of spotted tundra made on boundary between the Arctic and Northern Urals (65°30'N.) in the upper parts of Khulga and Synia Rivers. On the basis of his observations there, the author concludes that the type of spotted tundra spreading into Northern Ural originated as result of the steady advance of vegetation in regions recently freed from glaciers. He calls this type of tundra "dry lichen spotted tundra".

Contrary to existing opinions on the origin of spotted tundras, the author considers that in the area investigated the "spots" appeared before the vegetation. He adds that there is no single explanation of the origin of all types

of spotted tundras, which are of phyyletic origin according to Prof. V. V. Reverdatto. **Copy seen:** DLC.

6030. GOVORUKHIN, V. S. Plato Moskovskogo obshchestva ispytatelei prirody i novye ledniki na Severnom Urale. (Zemlevedenie, 1940. Novaia seriia, t. 1 (41), p. 127-34, illus., sketch maps (1 fold.)) **Title tr.:** Plato Moskovskogo obshchestva ispytatelei prirody (Moscow Naturalists' Society Plateau) and new glaciers in Northern Ural.

"Describes glaciers recently discovered in the Northern Urals, U.S.S.R., which are considered remnants of a former extensive glacier, and a previously unmapped plateau, named in honor of the Moscow Naturalists' Society in the divide between the Ob' and Pechora Rivers [65°-65°30'N. 61°30'-62°15'E.]"—Geological Society of America. Bibliography and index of geology. Summary in French.

Copy seen: DA.

6031. GOVORUKHIN, V. S. Zapadnyi bereg Tazovskoi guby Karskogo moria. (Moskva. Universitet. Uchenye zapiski. 1938. Vyp. 19, geografiia, p. 162-75, illus.) **Title tr.:** The western shore of Taz Bay, Kara Sea.

Results of the Expedition of the Agriculture and Soil Institute of the Lenin Academy of Agricultural Sciences (Tobol'sk Section of the State Land Trust) 1931, in the coastal region of the Little Yamal (or Taz) Peninsula. Description of the surface features of the region, its tundra character, peat soil, typical vegetation, shore forms and abraded shore line; with a bibliography (11 items). **Copy seen:** DGS.

6032. GRAAH, WILHELM AUGUST, 1793-1863. Undersøgelser-reise til østkysten af Grønland. Efter kongelig befaling, ulført i aarene 1828-31. Kjøbenhavn, Trykt hos J. D. Qvist, 1832. xvii, [1], 216 p. 8 col. plates, fold. map 27½ x 23cm. **Title tr.:** Voyage of investigation to the east coast of Greenland. Undertaken in the years 1828-31 at the command of the king.

Reprinted (with an introduction and commentaries by Kaj Birket-Smith) by Gyldendal-Nordisk forlag, København, 1932 (171 p. illus. plates, facsimils, fold. map)

Contains the author's diary of his sojourns at Julianehaab and Nennor-

talik, investigations of the Norse ruins at Kakortok, West Greenland; notes trip in umiak along the southeast coast of Greenland; wintering at Nukarbiik; unsuccessful attempt to continue further north; observations on climate, temperatures, ice conditions, geography, etc.

Copy seen: DLC (1832); NNSf (1932).

6033. GRAARUD, AAGE, 1861-. Meteorology; observations arranged and reduced. (*Gjøa Expedition, 1903-1906*. The scientific results of the Norwegian Arctic Expedition in the *Gjøa*, 1903-1906. pt. 1, no. 3, tables. *Pub. in Geofysiske publikasjoner*, 1932. v. 6, p. 29-248)

Contains the results of bi-hourly meteorological and sea surface-water temperature made on board the *Gjøa* en route from Oslo to Gjøa Haven (68°38' N. 95°55' W. King William Island), during the period June 18-Sept. 14, 1903, and from Gjøa Haven to King Point (69°07' N. 137°55' W.) on the Yukon coast, Aug. 13-Sept. 22, 1905; and the results of hourly or bi-hourly registrations of pressure and temperature and routine meteorological observations made three times daily at Gjøa Haven from Sept. 9, 1903-Aug. 11, 1905, and similar results at King Point from Sept. 1, 1905-June 30, 1906. A discussion of the expeditions' voyage and program of work and of the instrumentation, methods of observation, and the statistical interpretation of observational materials precede the tabular portion of the work. A journal of individual occurrence of aurora and optical phenomena at both stations is included in the discussion. **Copy seen:** DLC.

6034. GRAARUD, AAGE, 1861-. Observations météorologiques faites au Spitsberg par l'Expédition Isachsen 1909-1910, et systématisées par Aage Graarud. Kristiania, J. Dybwad, 1913. 2 p. l. 92 p. incl. tables, illus., diags. (Norske videnskaps-akademi. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1913. No. 1) **Title tr.:** Meteorological observations made at Spitsbergen by the Isachsen Expedition, 1909-1910, and systematized by Aage Graarud. Issued also as: *Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques*, 1916. T. 1, no. 10.

Contains tabular data from hourly

or six-times daily observations made aboard the *Farm*, June 27-Sept. 9, 1909, and June 22-Sept. 9, 1910, between Norway and West Spitsbergen and in the western and northern Svalbard waters; includes state of sea for Greenland Sea; has separate tables of hourly pressure, air temperature and sea surface temperature for July-Aug. of each year. **Copy seen:** DLC.

6035. GRAARUD, AAGE, 1861-, and NILS RUSSELTVEDT. Die erdmagnetischen Beobachtungen der *Gjøa-Expedition 1903-1906*. Oslo, Cammermeyer, 1925. 14 p. illus. (charts) diags. (Geofysiske publikationer, v. 3. no. 8) **Title tr.:** Observations on terrestrial magnetism made by the *Gjøa Expedition, 1903-1906*.

Preliminary report; final report appears in this Bibliography as Steen, A. S., and others. Terrestrial magnetism. 1933, q.v.

Contains monthly mean values of the magnetic elements and their amplitudes as measured at Gjøa Haven (King William Island) from Nov. 1903 to May 1905, and at King Point (Yukon coast), Oct. 1905-March 1906, tabulated and analyzed from the standpoint of their proximity to the North Magnetic Pole. The monthly and diurnal variation of declination and horizontal intensity is tabulated for Gjøa Haven.

Copy seen: DLC.

6036. GRAARUD, AAGE, 1861-, and KRISTEN IRGENS. Atlas de climat de Norvège. Nouvelle éd. Kristiania, Grøndahl & Sons, 1921. 5 p. 60 plates. (Geofysiske publikasjoner, v. 2, no. 7) **Title tr.:** Climatic atlas of Norway. New ed.

Based on data received by the Norwegian Meteorological Institute, 1874-1913, the charts show distribution of the climatological elements over Norway by seasons, months and years, with air temperature values reduced to sea level.

Copy seen: DLC.

GRAARUD, AAGE, 1861-, see also Russeltvedt, N., & A. Graarud. Scientific work (*Gjøa Exped. 1903-1906*). 1932.

GRAARUD, AAGE, 1861-, see also Russeltvedt, N., & A. Graarud. Terrestrial magnetism photographs. 1930.

GRACHEVA, O. F., see Korzhenevskaja, E. S., & O. F. Gracheva. Petro-

graficheskie tipy uglei Tungusskogo basseina. 1939.

6037. GRACHEVA, O. S. Kratkii petrograficheskii ocherk osadochnykh porod Novoi Zemli. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1935. T. 1, p. 67-78, 3 plates) *Title tr.:* Brief petrographic description of sedimentary rocks from Novaya Zemlya.

Descriptions of rocks collected at various locations on Novaya Zemlya visited by the research vessel *Persei*, 1925-27. Bibliography, p. 75. Summary in German. *Copy seen:* DLC.

6038. GRAD, CHARLES, 1842-1900. Esquisse physique des îles Spitzbergen et du pôle arctique. Paris, Challamel aîné, 1866. 164 p. fold. map. tables. *Title tr.:* Physical sketch of the Spitsbergen archipelago and the North Pole.

Contains description of geodetic work, harbors, climate, terrestrial magnetism, aurora borealis, glaciers, geognostic investigations, flora and fauna, the ancient extension of the glacial zone, currents and ice conditions in the polar sea, etc. Includes bibliography. *Copy seen:* NNStef.

6039. GRAD, CHARLES, 1842-1900. Sur l'émersion et le soulèvement des terres polaires arctiques aux îles Spitzbergen et Novaja-Semlja. (Société géologique de France, Bulletin, 1874. Ser. 3, t. 2, p. 347-48) *Title tr.:* On emergence and uplift of arctic lands in the Spitsbergen archipelago and Novaya Zemlya.

Remarks on the differences in shore lines, etc., in Northeast Land and Novaya Zemlya between the 17th century and the present day (based on old and modern maps).

Copy seen: DGS.

6040. GRAEVSKII, E. Ė. Zhivoe veshchestvo i nizkie temperatury. (Priroda, 1948, no. 5, p. 13-25) *Title tr.:* Living tissue and low temperatures.

Well-documented study of action of varying negative temperatures on protoplasm. Bibliography (97 items).

Copy seen: DLC.

GRAFF, L. von, see Derjugin, K. M. Fauna Ekaterinenskoï gavanî. 1906.

6041. GRAHAM, ALLEN H. Radar aids detection of floating ice. (Air-sea

safety, Dec. 1946-Jan. 1947, v. 1, no. 2 — v. 2, no. 1, p. 12-15, illus.)

Account of a U. S. Coast Guard mission in the ice patrol seasons 1945-46, to collect quantitative data as to the operational and technical performance of electronic equipment in the detection of floating ice, with summary of the conclusions reached.

Copy seen: DN-HO.

6042. GRAHAM, ANGUS. The golden grindstone; the adventures of George M. Mitchell, recorded by Angus Graham. London, Chatto & Windus, 1935. viii, 304 p. front. (port.) illus. (incl. 4 sketch maps). Published also in Philadelphia by Lippincott [1935]

Narrative of the experiences of Mitchell and party, who at the time of the Klondike gold rush went down the Slave and Mackenzie and up the Peel and Wind Rivers, where Mitchell was injured and remained with the Loucheaux (Kutchin) Indians for many months. Includes descriptions of the country, hunting, the customs and life of the Indians; with notes on scenery (p. 167-68).

Copy seen: DLC; NNStef.

6043. GRAHAM, MAXWELL, and F. V. SEIBERT. Canada's wild buffalo. Observations in the Wood Buffalo Park . . . with an appendix: A reconnaissance in the home of the wood buffalo, by F. V. Seibert. Ottawa, King's Printer, 1923. 17 p. illus., sketch map, fold. map. Issued by the Canadian Department of the Interior, North West Territories and Yukon Branch.

Contains notes on the taxonomy, appearance, habitat, and conservation of the buffalo.

Appendix: Description of the ranges within the park, which lies south of Great Slave Lake.

Copy seen: CaOM.

GRAHAM, ROBERT PERCIVAL DEVEREUX, 1880-, see Tyrrell, J. B., & R. P. D. Graham. Yukonite from Tagish Lake Yukon. 1913.

6044. GRAHAM, RONALD P. John Ross and meteorites. (Canadian geographical journal, Nov. 1949, v. 39, p. 222-27, illus., sketch map)

Historical résumé of the discovery by Sir John Ross in 1818, of the Polar Eskimos of northwest Greenland, who reported iron at Cape York; also re-

marks on subsequent meteorite discoveries; and a bibliography (22 items).

Copy seen: DLC.

6045. GRAM, JOHAN FREDRIK, 1868- . Den kemiske sammensætning av Spitsbergen-Bjørnøykul. Kristiania, H. Aschehoug & Co., 1923. 28 p. incl. tables. (Norway. Norges geologiske undersøkelse. Nr. 112; statens raastofkomite publikation nr. 12) *Title tr.:* A chemical analysis of Spitsbergen and Bear Island coal. *Copy seen:* DGS.

6046. GRAM, JOHAN FREDRIK, 1868- . Undersøkelser over bituminose kul fra Spitsbergen og Andøen. Kristiania, H. Aschehoug & Co., 1922. 32 p. (Norway. Norges geologiske undersøkelse. Nr. 111; statens raastofkomite publikation nr. 11) *Title tr.:* Study of bituminous coal from Spitsbergen and the Andø Islands.

Contains results of laboratory tests on King's Bay and Andø Island (Liefde Fjord) coal.

Copy seen: DGS.

6047. GRAM, K., and KNUD JESSEN. Vilde planter i Norden; anden udvidede og forbedrede udgave. Bd. 1. København, G. E. C. Gads forlag, 1949. [8], 356 p., 224 illus., 232 col. plates. *Title tr.:* Wild-growing plants of the North; second enlarged and revised edition. Vol. 1.

Contains: colored plates of two hundred thirty-two species of pteridophytes, gymnosperms and angiosperms of the North, made from colored photographs of the plants in natural habitat. Accompanying text has descriptions, numerous illustrations, critical notes and data on distribution in Denmark, the Scandinavian Peninsula (chiefly Sweden), Finland and other countries. Many arctic Scandinavian species are included. This is the first volume of a large work, planned to include about 900 colored plates.

Copy seen: MH-A.

6048. GRAN, HAAKON HASBERG, 1870- . Bemerkungen über das Plankton des Arktischen Meeres. (Deutsche botanische Gesellschaft. Berichte, 1897. Bd. 15, p. 132-36)

Planktonic diatoms from Greenland Sea collected in spring and summer 1896.

Copy seen: DLC.

6049. GRAN, HAAKON HASBERG, 1870- . Bemerkungen über einige Planktondiatomeen. (Nytt magasin for

naturvidenskapene, 1900. Bd. 38, hefte 2, p. 103-126, plate 9) *Title tr.:* Notes on some plankton diatoms.

Contains taxonomic notes on twenty species (five new) of marine plankton diatoms from various regions, including six native to Greenland Sea.

Copy seen: MH-A.

6050. GRAN, HAAKON HASBERG, 1870- . Diatomacea from the ice-floes and plankton of the Arctic Ocean. [Christiania, etc., J. Dybwad, 1904] 74 p. illus., 3 plates, tables, diagr. (Nansen, Fridtjof, ed. Norwegian North Polar expedition 1893-96. Scientific results. v. 4, no. 11)

Lists, with descriptions and notes on distribution, of collections (marine, with a few fresh-water forms) made by the *Fram* and other expeditions; bibliography, p. 72-74.

Copy seen: DLC.

6051. GRAN, HAAKON HASBERG, 1870- . Die Diatomeen der arktischen Meere. I. Teil. Die Diatomeen des Planktons. (*In:* Fauna arctica, 1904. Bd. 3, p. 509-554, illus., plate) *Title tr.:* Diatoms of arctic seas. Pt. 1. Planktonic diatoms.

Contains remarks on diatoms found in the Arctic, a review of the literature on marine forms, a discussion of the twenty-seven species which occurred in the hauls made by the German Expedition to the Arctic Ocean, 1898, and a systematic list, with synonymy, locations, and distribution of eighty-one species occurring in circumpolar seas, including waters above 60° N. parallel in the North American-Greenland region. Discussion of forms occurring in several zones: neritic (shallow, coastal waters) and oceanic; bibliography (111 items).

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6052. GRAN, HAAKON HASBERG, 1870- . Hydrographic-biological studies of the North Atlantic Ocean and the coast of Nordland. Kristiania, Oscar Andersen, 1900. 2 p. l., 92, xxxviii p. 2 l. 2 plates, 13 fold. tables. (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 1, no. 5)

Based on hydrographic observations made in 1898, during Norwegian fisheries investigations, under Dr. Johan

Hjort, and on surface observations of seven sealing voyages, summers 1897-98, in the sea between Norway, Jan Mayen and West Spitsbergen; and on plankton observations on Greenland shipping routes and on the Swedish Expedition to Spitsbergen, 1898.

Author's discussion includes remarks on the mixing of East Icelandic polar current and Gulf Stream waters; tables of surface temperature and salinity, Mar.-Sept. and of surface plankton, Apr.-June, in the Greenland Sea between Norway, Jan Mayen and West Spitsbergen.

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6053. GRAN, HAAKON HASBERG, 1870- . Phytobiont. Kristiania, A. W. Brøgger, 1911. 28 p. diags. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3, (no. 27))

List of species from the North Atlantic Ocean, including one from Baffin Bay; also listed by stations.

Copy seen: DLC.

6054. GRAN, HAAKON HASBERG, 1870- . Protophyta: Diatomaceae, Siliocoflagellata and Ciliocoflagellata. Christiania, Grøndahl & Son, 1897. 2 p. l., 36 p. 4 plates. (Norske Nordhavs-expedition, 1876-1878. Bd. 7, Botany, hefte 6)

List, with descriptions and notes on occurrence and frequency, of forty-one (including nine new) species of diatoms, one species of *Distephanus*, and two species of *Ceratium*.

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6055. GRAN, HAAKON HASBERG, 1870- . Quantitative plankton investigations carried out during the expedition with the "Michael Sars", July-Sept. 1924. (International Council for the Study of the Sea. Rapports et procès-verbaux, 1929. v. 56, no. 5, p. 1-50, incl. tables, 2 sketch charts)

The expedition, under the direction of Prof. J. Hjort made hydrographic and biological investigations in Davis Strait, and took observations en route between Norway, Iceland, and Cape Farewell. Author gives brief discussion of plankton production relative to the hydrography at the various stations along the West Greenland coast as far north as Disko Bay, and a transect across the strait to Cumberland Pen-

insula; remarks on one hundred phyto- and zooplankton species of Davis Strait; and tables showing hydrographic conditions for several depths, and quantity of plankton (by species) for Davis Strait stations.

Copy seen: DF.

GRAN, HAAKON HASBERG, 1870- , see also Hjort, J., & H. H. Gran. Currents & pelagic life northern Ocean. 1899.

6056. GRANIGG, B. Die Apatitlagerstätten in den Tundren von Chibine (Halbinsel Kola). (Zeitschrift für praktische Geologie, 1933. Jahrg. 41, p. 1-16, 25-31, illus.) *Title tr.*: Apatite deposits of the Khibina Tundra, Kola Peninsula.

Description (in detail) of the deposit and its mineralogical relationships, with notes on the development of the region and its geography.

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6057. GRANIT, A. W. Lemmelvandringsarna år 1903. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, pub. 1904. Häfte 30, p. 89-91, 208) *Title tr.*: Migration of lemmings in 1903.

Contains observations of the author carried out in various regions of Finnish Lapland on a mass migration of lemmings (*Myodes lemmus*) in 1903, mostly along the rivers. Summary in German.

Copy seen: MH-A.

GRANIT, A. W., see also Nordling, E. Fågelfaunan i Enare socken. 1898.

GRANSTRÖM, ERIK ADOLF, 1893- , see Lundqvist, M. Norrland. 1942.

6058. GRANT, J. FERGUS. North to the Yukon by air. (Canadian geographical journal, Aug. 1937. v. 15, p. 74-87, incl. 9 p. of illus., 2 sketch maps)

Remarks (in general) on the occasion of the inauguration of commercial flying between Edmonton and Whitehorse, 1937, including discussion of future world air routes.

Copy seen: DLC.

6059. GRANT, JOHN CHARLES BOLLEAU, 1886- . Anthropometry of the Chipewyan and Cree Indians of the neighbourhood of Lake Athabaska. Ottawa, F. A. Acland, King's Printer, 1830. iv, 59 p. incl. illus., tables, diags.

5 plates. (Canada. Dept. of Mines. National Museum of Canada. Bulletin no. 64. Anthropological ser. no. 14)

Contains observations on two hundred thirteen Indians (of Ft. Smith and other reserves) on their appearance, teeth, blood groups; includes tables of measurements, and comparative discussion of linguistic stocks represented.

Copy seen: DLC.

6060. GRANT, JOHN CHARLES BOILEAU, 1886-. Anthropometry of the Cree and Saulteaux Indians in Northwestern Manitoba. Ottawa, King's Printer, 1929. iv, 73 p. incl. illus., tables, diagrs. 5 plates. (Canada. Geological Survey. Bulletin no. 59. Anthropological ser. no. 13)

Contains observations on four hundred thirty-four Indians (at Oxford House, God's Lake, Island Lake) on their appearance, physical characteristics, teeth; tables of measurements; includes comparative discussion of linguistic stocks of the region and their intermingling.

Copy seen: DLC.

6061. GRANT, JOHN CHARLES BOILEAU, 1886-. Some notes on an Eskimo skeleton. (American journal of physical anthropology, 1922. v. 5, p. 267-71)

On parts of an Eskimo skeleton found by Churchill River near the west coast of Hudson Bay.

Copy seen: DLC.

6062. GRANT, MADISON, 1865-1937. The caribou. (New York Zoological Society. Annual report, 1902, pub. 1903. v. 7, p. 175-96, 32 plates, double-face map)

Detailed discussion of American species of the genus *Rangifer*, including its name, classification, fossil forms, types and distribution, with separate studies of the Barren Ground, Woodland, and Newfoundland caribou.

Copy seen: DSI-M.

6063. GRANT, MADISON, 1865-1937. Conditions of wild life in Alaska. (Smithsonian Institution. Annual report, 1909, pub. 1910. p. 521-29, plate) Reprinted from the Twelfth Annual Report of the New York Zoological Society, 1907. New York, Jan., 1908.

Brief notes on foxes, bears, caribou, moose, sheep, goats, walrus and whales; with remarks on the need for their conservation.

Copy seen: DLC.

6064. GRANT, MADISON, 1865-1937. The Society's expedition to Alaska. (New York Zoological Society. Annual report, 1901, pub. 1902. no. 6, p. 137-40, illus.)

Résumé of J. A. Loring's efforts in 1901, to establish animal collecting stations along the coast, and his experiences in attempts to capture young, live mountain sheep.

Copy seen: DLC.

6065. GRANT, ULYSSES SHERMAN, 1867-1932. The southeastern coast of Kenai Peninsula. (In: Martin, G. C. Geology and mineral resources of Kenai Peninsula, Alaska. U. S. Geological Survey. Bulletin, 1915. No. 587, p. 209-238)

A description of the rock formations and the mineral resources (gold, copper, and iron ores) of the district from Passage Canal on Prince William Sound, south and west to Cape Elizabeth, and north to Point Bede on Cook Inlet (including Ressorrection, Aialik, and Nuka Bays).

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6066. GRANT, ULYSSES SHERMAN, 1867-1932, and D. F. HIGGINS. Coastal glaciers of Prince William Sound and Kenai Peninsula, Alaska. Washington, U. S. Govt. Print. Off., 1913. 75 p. illus. (incl. 16 maps), 40 plates (incl. 6 maps, 5 fold.) diagrs. (U. S. Geological Survey. Bulletin 526)

Descriptions (with photographs and sketch maps) of forty-one named glaciers, and others from Port Valdez to Kachemak Bay, arranged by bays and fiords.

Copy seen: DGS.

6067. GRANT, ULYSSES SHERMAN, 1867-1932, and D. F. HIGGINS. Glaciers of Prince William Sound and the southern part of Kenai Peninsula, Alaska, I-IV. (American Geographical Society, N. Y. Bulletin, 1910-1911. v. 42, p. 721-38; v. 43, p. 321-38, 401-417, 721-37, illus. (incl. maps)) Based on observations made in 1905, 1908-1909, while the authors were with U. S. Geological Survey parties.

Contents: 1. Northern part of Prince William Sound. 2. Port Wells, Prince William Sound. 3. West coast of Prince William Sound. 4. Southern coast of the Kenai Peninsula.

Copy seen: DLC.

6068. GRANT, ULYSSES SHERMAN, 1867-1932, and D. F. HIGGINS. Reconnaissance of the geology and mineral

resources of Prince William Sound, Alaska. Washington, U. S. Govt. Print. Off., 1910. 89 [i.e. 82] p. illus., 12 plates, (incl. 3 fold. maps) diagsr. (U. S. Geological Survey. Bulletin 443) Preliminary reports of this study were published in U. S. Geological Survey, Mineral resources of Alaska in 1905 and 1908, *pub.* 1906 and 1909.

Contains notes on the topography and glaciation, descriptions of the general geology, and (in detail) of the copper (chiefly) and gold ores, prospects and mines (with map showing locations); mention of (noncommercial) occurrences of silver, nickel, antimony, lead, zinc, iron, asbestos, and petroleum.

Maps include: (1) geologic reconnaissance map of Prince William Sound, showing the district from the Copper River delta to Resurrection Bay (1:250,000); (2) topographic and geologic map of part of Latouche Island, Prince William Sound (contour interval 20 ft., scale 1:21,120).

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GRANT, W. G. A., *see* Markham, Sir C. R. Voyage of *Eira* 1880. 1881.

6069. GRAPENGIESSER, STEN, 1868-. Crux Salicum, en utredning av några vanliga fel vid Skandinaviska Salices. (Svensk botanisk tidskrift, 1943. Bd. 37, häfte 3, p. 223-40, illus.) *Title tr.:* Crux Salicum, an elucidiation of some common errors in determination of Scandinavian Salices.

Contains a taxonomic discussion concerning five species of willow (*Salix*), including *S. repens* occurring in the Kamchatka Peninsula and *S. borealis*, native to arctic Scandinavia. Summary in German.

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6070. GRAPENGIESSER, STEN, 1868-. Några rika växtlokaler vid Hornavan i Pite Lappmark. (Svensk botanisk tidskrift, 1917. Bd. 11, häfte 2, p. 265-69) *Title tr.:* Some rich plant localities in Hornavan in Pite Lappmark.

Contains data on the rich vegetation of the mountains, Vuornats, Lulle Istjakk and Alleb Istjakk near Hornavan in Pite Lappmark, northern Sweden, with lists of plants for each locality, as collected by the author during his trip to that region in summer, 1916.

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6071. GRAPENGIESSER, STEN, 1868-. Norrlandska vegetationsbilder.

(Svensk botanisk tidskrift, 1934. Bd. 28, häfte 2, p. 300-353, illus.) *Title tr.:* Sketches of the vegetation of Norrland.

Contains sketches of the vegetation of various regions (provinces, parishes) of Norrland, northern Sweden, including some sections of Norrbotten, with list of species and critical notes on some of the more interesting plants; bibliography (108 items) and index of species.

Copy seen: MH-A.

GRAPENGIESSER, STEN, 1868-. *see also* Floderus, B. G. O. *Salix rotundifolia*. 1941.

GRAPENGIESSER, STEN, 1868-. *see also* Johansson, H. E. Växttopografiska anteckningar. 1. 1933.

6072. GRATON, LOUIS CARYL, 1880-. Notes on rocks from the Coppermine River region, Canada. (Canadian Institute of Mining and Metallurgy. Transactions, 1913, v. 16, p. 102-114)

Contains notes on general features of the basic rocks collected by the Douglas Expedition, 1911-12, and their petrographic details.

Copy seen: DGS.

6073. GRATSIANOV, V. I. K ikhtiofaunë russkago sŕevera. (Vsesoŕuznoe geograficheskoe obshchestvo. Otechy ekspeditŕi. *Pub* in its: Zapiski po obshcheŕ geografii, 1904. T. 41, no. 1, p. 171-249, illus., 2 plates, tables) *Title tr.:* The ichthyofauna of the Russian North.

A systematic annotated list, with synonyms, references, descriptions, and localities, of twenty-four (including one new) species of fresh-water and marine fishes, collected in the Kanin Peninsula-White Sea areas by the Kanin Expedition of 1902, and others.

Copy seen: DLC.

6074. GRATSIANSKII, A. Na ledovoi razvedke. (Sovetskaiâ Arktika, 1939, no. 12, p. 57-59, illus.) *Title tr.:* On ice scouting.

Account, by the pilot of the N-237, of ice scouting in advance of the navigation season 1939, in Borisa Vilkit'skogo Strait between Kara and Laptev Seas.

Copy seen: DLC.

6075. GRATZL, AUGUST. Magnetische Beobachtungen auf Jan Mayen 1882-1883. [Wien, 1886] 175 p., 4 illus., 25

fold. plates. (International Polar Year. 1st, 1882-1883. Österreichische Polar-expedition nach Jan Mayen. Beobachtungs-Ergebnisse. Bd. 2, Abt. 2, Theil 5) **Title tr.:** Magnetic observations at Jan Mayen 1882-1883.

Results of observations made at the arctic station on magnetic declination, horizontal intensity, vertical intensity, and inclination. Includes description of apparatus used, and discussion of relation to northern lights, magnetic disturbances, and sunspots. Detailed observations recorded in tabular and graphic form. **Copy seen:** DLC.

6076. GRATZL, AUGUST. Mesures de gravitation. (*In:* Voyage de "La Manche" a l'île Jan-Mayen et au Spitzberg, juillet-août 1892) 1894. p. 143-44) **Title tr.:** Gravity measurements.

Brief report on results from Jan Mayen and Cape Thorsden, West Spitsbergen. **Copy seen:** DLC.

6077. GRAVE, N. A. Iskopaemye l'dy vodorazdela rek Leny i Aldana. (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1944. T. 4, p. 10-32, illus.) **Title tr.:** Fossil ice in the Lena-Aldan water divide.

Contains brief survey of the study of fossil ice and result of investigations of this phenomenon by the Yakutsk expedition in 1941, when two types of subterranean ice were found: the buried ice, and ice which was formed in the ground. Observations of the influence of subterranean ice on ground relief, its thickness and distribution, its temperature and physical and chemical properties, biological composition and geological age, are discussed. Methods of mapping the distribution of subterranean ice is given. Bibliography (23 items). **Copy seen:** DLC.

6078. GRAVERSEN, CHR. B. Notizen über grönländische Oribatiden. København, C. A. Reitzel, 1931. 18 p. 8 illus. (Meddelelser om Grønland. Bd. 91, nr. 2) **Title tr.:** Remarks on Greenland Oribatidae.

Report on fossil mites found by Gunnar Seidenfaden in moss samples in the Scoresby Sound region during the Danish Expedition to East Greenland, 1929, and of sub-fossil mite material from peat bogs of a recent geological period in various southwest Greenland localities. Includes introductory remarks on

localities, etc., and list, with, synonymy, and remarks on size of specimens, of eleven (including one new) species of wood mites; bibliography, p. 17-18.

Copy seen: DLC.

6079. GRAVES, HENRY SOLON, 1871-. The forests of Alaska. (American forests, Jan. 1916. v. 22, p. 24-37, illus.)

Description of Tongass National Forest, southeast of Cape St. Elias, Chugach National Forest, west of the cape to Kenai Peninsula and including Afognak Island, and the forests of interior Alaska. Includes discussion of the need for national forests, their administration in Alaska, and land use for many purposes. **Copy seen:** DA.

GRAVÖ, J. G., see Homén, V. T. East Carelia & Kola Lapmark. 1921.

6080. GRAVSÄTTNINGEN AV ANDRÉE-MÄNNENS STÖFT. (Ymer, 1935, Årg. 55, p. 101) **Title tr.:** The burial of the dust of the Andrée men.

Description of the funeral rites in Stockholm near the Andrée monument. **Copy seen:** DLC.

6081. GRAY, ASA, 1810-1888. Plants. (*In:* International Polar Expedition, 1882-1883. Report of the international polar expedition to Point Barrow, Alaska, 1885. p. 191-92)

Brief informal discussion of the principal species collected in the vicinity of the Point Barrow scientific station. Includes notes by Dr. Farlow on cryptogams. **Copy seen:** DLC.

6082. GRAY, ASA, 1810-1888. Plants. Lists of the plants collected at points in the Cumberland Sound region between sixty-sixth and sixty-seventh parallels of north latitude, and on the south shores of Disko Island Greenland. (*In:* Kumlien, L., and others. Contributions to the natural history of arctic America. U. S. National Museum. Bulletin, 1879. No. 15, p. 163-66)

List of ninety-seven species.

Copy seen: DLC.

6083. GRAY, ASA, 1810-1888, and LEONHARD STEJNEGER. Notes upon plants collected on the Commander Islands (Bering and Copper Islands) by Leonhard Stejneger. and Additional notes on the plants of the Commander Islands by Leonard Stejneger. Contributions to the natural history of the Commander Islands, no. 4, A-B (U. S.

National Museum Proceedings, 1884, pub. 1885. v. 7, p. 527-38)

Remarks on the species and their occurrence, (by Prof. Gray), and list (by Stejneger) of about one hundred fifty species, with notes of localities, habits, etc. **Copy seen:** DLC.

6084. GRAY, DAVID. Kapitän David Gray's Reise und Beobachtungen im Ost-Gronländischen Meere 1874 und seine Ansichten über den besten Weg zum Nordpol. Original-Mittheilungen an A. Petermann, Dezember 1874. (Petermanns geographische Mittheilungen, 1875. Bd. 21, p. 105-108, fold. chart) **Title tr.:** Capt. David Gray's voyages and observations in the East Greenland Sea, 1874, and his opinion on the best way to reach the North Pole. A communication to A. Petermann, Dec. 1874.

Discussion of the ice conditions (with chart) between 70°-80°N. in the Greenland Sea, observed during the author's whaling voyage in 1874.

Copy seen: DLC.

GRAY, GEORGE ROBERT, 1808-1872, see Rae J. Narrative exped. 1846-47. 1850.

6085. GRAY, JOHN EDWARD, 1800-1875. Shells. (In: Parry, Sir W. E. Journal of a voyage . . . 1819-20. Supplement to the appendix, 1824. p. cexl-cexlvi)

Contains a classified list, with some descriptions, of twenty-three species of marine molluscs (presumably), from Baffin Bay and Canadian Arctic Islands waters.

Copy seen: DLC.

6086. GRAY, JOHN EDWARD, 1800-1875. Some observations on *Myodes hudsonicus* and the other species of the genus *Myodes*. (Zoological Society of London. Proceedings, 1848. Pt. 16, p. 43-44)

Taxonomic notes on lemmings of the Barren Grounds of northern Canada.

Copy seen: DA.

6087. GRAY, JOHN EDWARD, 1800-1875, and G. B. SOWERBY. Molluscous animals, and their shells. (In: Beechey, F. W., and others. The zoology of Captain Beechey's voyage, 1839. p. 103-55, col. plates)

Contains (1) introductory remarks; and (2) list, with description of fleshy parts and shells, of molluscs, (some

new) collected on the Beechey voyage of 1825-28, and on other expeditions of about the same period. Includes several specimens from Icy Cape, Alaska, and from other unspecified portions of the Arctic and Pacific Oceans.

Copy seen: DLC.

GRAY, JOHN EDWARD, 1800-1875, see also Rae, J. Narrative exped. 1846-47. 1850.

6088. GRAY, R. W. The colour of the Greenland Sea and the migrations of the Greenland whale and narwhal. (Geographic journal, Sept. 1931, v. 78, p. 284-90)

A discussion, based on log books of the *Eclipse* and *Hope*, whaling vessels belonging to the author's father and uncle, and on accounts of Capt. Scoresby and others, regarding the feeding banks of whales and the disappearance of the females during summer months.

Copy seen: DLC.

6089. GRDZELOV, L. Zadachi GGU v chetvertoï stalinskoï piatiletke. (Nedra Arktiki, 1946. No. 1, p. 6-8) **Title tr.:** The task of the Main Geological Office during the fourth Stalin five-year plan.

Brief statement of objectives for arctic research work in the field of geology.

Copy seen: DLC.

6090. GREAT BRITAIN. ADMIRALTY. Ice charts of the Northern Hemisphere. London, 1922. 12 double-face charts in atlas. (Its: D31-D42)

The general maximum limits of ice, also maximum limits for each month have been compiled from information supplied by the Meteorological Office and shown on polar projection charts. The charts include designations of limits of (1) solid pack ice (Bering Sea) and polar pack ice (Denmark Strait, Greenland or Barents Sea); (2) land ice; (3) drift or open ice which may impede navigation; (4) icebergs; (5) ice in the western North Atlantic; air isotherm 32° (F). and exceptional positions of ice in various years indicated. (by date).

Copy seen: DN-HO.

6091. GREAT BRITAIN. AIR MINISTRY. Atlantic bridge; the official account of R. A. F. Transport Command's ocean ferry. London, H. M. Stationery Office, 1945. 75 p. 8 plates,

maps on end papers. Prepared for the Air Ministry by the Ministry of Information.

An account of the planning and development of the air routes across the Atlantic; includes notes on the airfield at Goose Bay, Labrador, and some records of flights via Labrador, Greenland and Iceland. *Copy seen:* DLC; DP.

6092. GREAT BRITAIN. FOREIGN OFFICE. HISTORICAL SECTION. Greenland. London, 1920. 3 p. l., 37 p. table. (*Its:* Handbooks. No. 132)

One of a series of handbooks providing geographic, economic, historical, social, and political information about different countries, for the British delegates to the Paris Peace Conference, and published later for public information.

Contains brief chapters on physical and political geography, political history, social and political conditions, economic conditions, industry (agriculture, fisheries, minerals) commerce, and finance, with a bibliography (18 items). *Copy seen:* CaOA; DLC.

6093. GREAT BRITAIN. FOREIGN OFFICE. HISTORICAL SECTION. Spitsbergen. London, 1920. 3 p. l. 50 p. (*Its:* Handbooks, No. 36)

One of a series of handbooks providing geographic, economic, historic, social, and political information about different countries, for the British delegates to the Paris Peace Conference, and published later for public information.

Contains chapters on physical and political geography (including ice), on economic conditions (communication, natural resources) and political history (discovery and exploration, diplomatic history, sovereignty).

Copy seen: CaOA; DLC.

6094. GREAT BRITAIN. HYDROGRAPHIC DEPT. Arctic pilot, vol. I comprising the coasts of the U.S.S.R. from Byely Nos. Yúgorski Shar Strait, to Cape Otto Schmidt including Novaya Zemlya, Franz Josef Land, and all the islands eastward to Vrangelya and Herald Islands. 5th ed. London, Published by the Hydrographic Dept., Admiralty, 1947. 1, 526 p. 35 plates, fold. chart. Supplement no. 1, 1949.

Contains general remarks on the history, government, population, flora,

fauna, communications and currency; an ice glossary, formation and movement of sea ice, general ice conditions and ice navigation; passages, and weather.

Sailing directions: South coast of Novaya Zemlya, Karskiye Vorota Strait, southwestern Vaygach Island, Yugor Strait.

West coast of southern Novaya Zemlya.

Matochin Shar Strait.

West coast of northern Novaya Zemlya.

Franz Josef Land.

East coast of Novaya Zemlya.

Northeast coast of Vaygach Island, south and east coasts of Kara Sea.

Gulf of Ob and approaches.

Gydanski Gulf, Yenisey Gulf and their approaches.

Siberian coast from Severo-Vostochny Point (73°50'N. 80°50'E.) to Boris Vil'kitski Strait.

Boris Vil'kitski Strait, Severnaya Zemlya.

Siberian coast from Pronchishev Point to Svyatoy Nos.

New Siberian Islands, Dmitry Laptev Strait.

Siberian coast from Kondrat'yev River to Cape Shmidt, Wrangel and Herald Islands.

Copy seen: DN-HO.

6095. GREAT BRITAIN. HYDROGRAPHIC DEPT. Arctic pilot, vol. II comprising Iceland, Jan Mayen, Svalbard, and the east coast of Greenland together with the Greenland and Barents Seas. 5th ed., 1949 . . . London, Published for the Hydrographic Dept., Admiralty, by H. M. Stationery Off., 1949. liv, 565 p. incl. tables. illus., 76 plates, fold. map.

Contains introductory material which includes a bibliography (79 items); glossary of Icelandic, Norwegian, Danish and Eskimo words most commonly used in place names.

General description of the physical features of the islands and coasts, and the meteorology; an ice terminology, description of ice conditions, tidal currents, aids to navigation; and average and extremes of monthly meteorology observations.

Sailing directions include (p. 301-518) waters of Jan Mayen and Bear Island, including Spitsbergen Bank; West Spitsbergen, including the fiords,

Prince Charles Foreland, Hinlopen Strait, off-lying islands, Northeast Land, Hope Island, Edge Island and King Karl's Land; east coast of Greenland, including King Frederick VI Coast, King Christian IX Land, King Christian X Land, Germania Land, Duc d'Orléans Land, King Frederick VIII Land and Peary Land.

Appendices: 1. List of principal ports showing particulars of depths, etc. 2. Places suitable for magnetic observations.

Copy seen: DLC (4th ed.); DN-HO.

6096. **GREAT BRITAIN. HYDROGRAPHIC DEPT.** Arctic pilot, vol. III comprising Davis Strait, Baffin Bay, and the channels leading therefrom to the polar sea, with the west and north-west coasts of Greenland, the arctic coast of Canada, and the arctic archipelago; also Hudson Strait and Bay. 4th ed., 1947. London. Published by the Hydrographic Dept., Admiralty, 1947. 1. ii, 491 p. illus., 43 plates, fold. chart, 4 sketch charts. Supplement no. 1, 1949.

Contains introductory material on aids to navigation, a bibliography (106 items), and an Eskimo glossary.

Chap. 1. General notes on the physical features of the several regions, a history of exploration for the Northwest Passage, notes on Eskimos, flora and fauna; an ice glossary, description of general ice conditions, and directions for ice navigation; a sketch of the climatic conditions, with tables of monthly averages of meteorological elements.

Sailing directions (chap. 2) Davis Strait and approach; west coast of Greenland to Disko, and east coast of Baffin Island to Cape Hewitt.

Chap. 3. Baffin Bay: west coast of Greenland, Melville Bay, Cape York to Smith Sound, eastern Baffin Island, Bylot Island and east side of Devon Island.

Chap. 4. Hudson Strait and Bay, Foxe Channel and basin, and Fury and Hecla Strait.

Chap. 5. Lancaster Sound, Barrow Strait, Melville Sound, and McClure Strait.

Chap. 6. Navy Board, Admiralty, and Prince Regent Inlets; Gulf of Boothia; Peel Sound; Franklin, McClintock and Prince of Wales Straits; west side of Banks Island.

Chap. 7. Sea route between Arctic Islands and mainland coast of Canada: James Ross, Simpson and Victoria Straits; Queen Maud Gulf, Dease Strait, Coronation Gulf, Dolphin and Union Strait, and Amundsen Gulf.

Chap. 8. Parry Archipelago; Wellington and Queens Channels, McDougall Bay; north side Bathurst Island, Byam Martin Channel, Hecla and Griper Bay; Melville and Prince Patrick Islands, and Ballantyne Strait.

Chap. 9. Jones Sound, Belcher Strait, west coast of Ellesmere Island; Axel Heiberg, Ringnes and Meighen Islands.

Chap. 10. Smith Sound to polar sea, including history of exploration of the Smith Sound Route; Kane and Hall Basins, Robeson Channel, and polar sea coast of Greenland.

Copy seen: DN-HO.

6097. **GREAT BRITAIN. HYDROGRAPHIC DEPT.** Bering Sea and Strait pilot, comprising the northwestern and northern coasts of Alaska from Cape Douglas to Demarcation Point, the northern coast of Canada from Demarcation Point to Cape Bathurst, the Aleutian Islands, and the northeastern coast of Siberia from Cape Shipunski to Cape Otto Shmidt. 2d. ed., 1940. All bearings are true. Published by order of the Lords Commissioners of the Admiralty. London. Published for the Hydrographic Dept., Admiralty, by H. M. Stationery Off., 1941. 4 p. l., iii-xxxii, 497 p. incl. illus. tables, diagr. plates, fold. map.

"Prepared by Captain G. E. Sutcliffe, R. N., and Lieutenant-Commander J. Y. G. Torlesse, R. N." - p. iii.

"By the publication of this volume the first edition of the Bering sea and strait pilot, 1920, and Supplement no. 12, 1937, are cancelled, and all information affecting that work contained in Notices to mariners up to and including no. 2606 of 1940, has been embodied in this volume." - p. iii.

Supplement no. 5, with corrections to 1948.

Contents: General remarks (meteorology, ice, currents, tides, tidal streams, signals, life saving service, U. S. Coast Guard, buoyage, regulations, W/T stations, fuel, repairs, British consular officers, standard time, calendar or date line, ice navigation).

Chapter on Afognak, Kodiak and Trinity Islands, Alaska Peninsula,

Unimak Island, Aleutian Islands, Attu Island, islands in Bering Sea, the coasts of Alaska, Kamchatka, Chukotsk Peninsula and northeast Siberia, Komandorski, Vrangela and Herald Islands;

Information (in brief) on the general nature of the sea, coastal regions and islands, their physical features, harbors, populated places; and (in detail) on navigation, fog, tides, depths, lights, dangers, etc., sailing directions, with references to British Admiralty charts.

Appendices: U. S. inland rules of the road; ports available for underwater repairs; principal ports (with depths, etc.).

Meteorology tables, for Kodiak, Dutch Harbor, St. Paul Island, Akulurak, Nome, Chamisso Harbor, Barrow, Herschel Islands, Beringa Island, Novo-Mariinskoe, temperature and precipitation.

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6098. GREAT BRITAIN. HYDROGRAPHIC DEPT. Newfoundland and Labrador Pilot, vol. II comprising the eastern coast of Newfoundland from Cape Saint Francis to Cape Bauld; Belle Isle; and the eastern and north-eastern coasts of Labrador from Cape Saint Charles to Cape Chidley. 7th ed., 1939. London, Published for the Hydrographic Dept., Admiralty, by H. M. Stationery Off., 1939. xxv, 386 p., incl. tables. 40 plates, diagrs., fold. map.

Supplement no. 6, with corrections to Mar. 7, 1950.

Contains general notes on physical features, climate, currents, tides and ice (including a glossary, notes on icebergs, and general ice conditions).

Sailing directions (p. 210-333) include the east coast of Labrador from Cape St. Charles to Cape Chidley.

Copy seen: DLC; DN-HO.

6099. GREAT BRITAIN. HYDROGRAPHIC DEPT. Remarks on Davis Strait, Baffin Bay, Smith Sound, and the channels thence northward to 82¼°N. Compiled from various authorities. London, Printed for the Hydrographic Office, Admiralty [by G. E. Eyre and W. Spottiswoode] 1875. 55, [1] p. incl. tables.

Originally published in 1853; reprinted in 1875 with added information derived from American, British and Danish voyages.

Contains sailing directions, including notes on ice and its movements.

Copy seen: DLC; NNSStef.

6100. GREAT BRITAIN. HYDROGRAPHIC DEPT. South and east coasts of Korea, east coast of Siberia, and Sea of Okhotsk pilot, comprising the coast from the south-western extreme of Korea to Cape Shipunski on the eastern coast of the Kamchatka Peninsula; and Quelpart Island. Tsushima and Sakhalin. 3d ed., 1937. London, Pub. for the Hydrographic Dept., Admiralty, by H. M. Stationery Off., 1937 [i.e. 1944]. 2 p. l., iii-xxxiv, 650 p., 1 l. incl. illus. tables, plates, 2 maps (1 fold.) 2 charts (1 fold.)

This edition was prepared by F. C. Hanning-Lee, published 1937, reprinted 1944. Supplement no. 8, 1948.

Contents include chapters on Sakhalin Gulf, Sea of Okhotsk: southern and northern parts, Kuril Strait and southeastern coast of Kamchatka; also glossary of terms (Russian and English).

Appendices: 1. Particulars of dry docks, patent slips, etc.

2. List of principal ports, showing particulars of depths, etc.

3. Meteorological tables (including Okhotsk, 1846-1930, Petropavlovsk, 1846-1930).

Chapters give information (in brief) on general nature of the sea regions, the coasts and off-lying islands, on their physical geography, harbors, populated places, trade, shipping, communications, supplies and other facilities; (in detail) on navigation, ice conditions, fog, tides, currents, sea temperatures, winds, weather, etc.; sailing directions, light signals, anchorages, buoys, dangers, etc.; with references to British Admiralty charts.

Copy seen: DLC.

6101. GREAT BRITAIN. HYDROGRAPHIC DEPT. South-east Alaska pilot, comprising the coast and off-lying islands from Dixon Entrance to Cook Inlet. 3d ed., 1948. London, 1948. xliii, 577 p. illus., maps. Formerly included in the Alaska and Bering Sea pilot. Supplement No. 1, 1949, corrected to Oct. 10, 1949. Prepared by J. N. Tait.

Standard sailing directions based on *U. S. Coast pilot, Alaska*, and *U. S. Light list and Current tables for the Pacific Coast*, 1947.

Contents: Chap. 1. Introductory material on time, ice, currents, tidal streams, kelp, fish traps, signals (etc.).

Chap. 2. Dixon Entrance, Clarence Strait to Sumner Strait.

Chap. 3. Western side of Prince of Wales Island.

Chap. 4. Sumner Strait, Wrangell narrows.

Chap. 5. Frederick Sound, Stephens Passage.

Chap. 6. Western coasts of Baranof, Chichagof, and Yakobi Islands.

Chap. 7. Chatham Strait.

Chap. 8. Cross Sound and Icy Strait, Lynn Canal.

Chap. 9. Cape Spencer to Cape Puget, including Prince William Sound.

Chap. 10. Cape Puget to Cape Douglas, including Cook Inlet.

Copy seen: DLC; DN-HO.

6102. GREAT BRITAIN. HYDROGRAPHIC DEPT. Tidal streams of the waters surrounding the British Islands and off the west and north coasts of Europe, Gibraltar to Yugorski Strait. 2d ed. London, 1946-1948. 2 v. charts.

Part 1 (*pub.* 1946) contains information available to Sept. 1945, on residual currents, tidal streams and flows, water level and floods in rivers, tide rips, etc., for navigable waters off Norway (p. 446-507) and the north coast of the U.S.S.R. to Matochkin Shar, Yugorskiy and Karskiye Vorota Straits, including the White Sea (p. 508-556).

Part 2 (*pub.* 1948) contains tables of tidal streams described in Part 1.

Copy seen: DLC (v. 1); DN-HO.

6103. GREAT BRITAIN. HYDROGRAPHIC DEPT. White Sea pilot comprising the coasts of Finland and the U.S.S.R. from Jacobselv to Bejéli Nos, Yugorski Shar Strait, including the White Sea. 1st ed., 1946. London, 1946. xxxiv, 400 p. incl. tables. 41 plates, diagrs., fold. chart. Supplement issued 1948, corrected to Dec. 28, 1948.

Contains introductory chapter with general notes on coasts, government, currency, etc.; ice glossary (with illus. of types of ice) formation and movements of sea ice, icebergs, general ice conditions, ice navigation (in detail), currents, tides, and aids to navigation; buoyage, pilotage, and passages; meteorology (with tables of monthly averages) and local weather.

Sailing directions, from (1) the mouth of Varanger Fiord to Kola

Inlet, including Rybachi Peninsula, Motovski Gulf and Urá Inlet.

2. Murman coast, including Kil'din Island and Strait, and Svatonosskaya Bay.

3. Northwestern side of White Sea.

4. Eastern side of the White Sea, Kanin Nos to, and including the Gulf of Mezen.

5. Southeastern side of the White Sea from Mezen to, and including Gulf of Dvina and Archangel.

6. Gulf of Onega, including Solovetski Island, Shuyskaya and Sorokskaya Bays, and the Pomor coast.

7. The Karelian coast to and including Kandalakshski Gulf.

8. Kanin Nos, Cheshskaya and Indiga Bays, the Timan coast, Kolguev Island and Pechora estuary.

Copy seen: DN-HO.

6104. GREAT BRITAIN. METEOROLOGICAL OFFICE. Weather in home waters and the north-eastern Atlantic. v. 2, part 7, the Norwegian and Barents Seas. London, 1941. 196 p. incl. tables, illus., diagrs., chart. (*Its:* M.O. 446b(7))

Includes the coast of Norway north of 61°N., Russian arctic coast to Novaya Zemlya, east coast of Greenland, Iceland, Faeroes, Svalbard, Franz Josef Land, and Jan Mayen.

Contents: 1. General. Regional summaries of Scandinavia, arctic Russia, Iceland and Greenland.

2. Depressions.

3. Pressure. Annual and diurnal variation.

4. Wind. Surface and upper winds.

5. Visibility, distribution and variation.

6. Cloud distribution and variation.

7. Rain, hail and snow.

8. Thunderstorms.

9. Temperature. Surface and upper air, sea, and difference between sea and air temperatures.

10. Humidity.

11. Miscellaneous. Ice. North European coastal ice, Barents Sea drift ice, Spitsbergen, Greenland Sea drift ice, mirage, aurora borealis.

Bibliography (128 items).

Tables: 1. General climatological tables. Monthly, from twenty-six stations throughout the area.

2. Monthly frequency of wind direction and force at sea (compiled from ships' observations).

3. Monthly frequency of wind direction and force at sea (estimated from the *Daily weather report*).

4. Monthly frequency of wind direction and force at coastal stations. (Eleven stations, including Mezen, Kola, Jan Mayen and East Greenland).

5. Seasonal frequency of wind direction and speed in the upper air. (Archangel and Iceland).

6. Seasonal visibility at coastal stations. (Including Archangel, Svalbard, Jan Mayen and East Greenland).

7. Visibility and wind direction. (Seasonal; including Archangel, Svalbard, Jan Mayen and East Greenland).

8. Low cloud. (Monthly; including Archangel, Svalbard, Jan Mayen and East Greenland).

9. Days with clear and cloudy skies. (Monthly; for stations throughout area).

Copy seen: DN-HO.

6105. GREAT BRITAIN. METEOROLOGICAL OFFICE. MARINE BRANCH. Monthly ice charts arctic seas, Hudson Bay to Kara Sea. London, 1944. 28 p. incl. 13 charts. (*Its:* M.O.M. 390a (rev. 1944)) Based on all sources of information available since 1920.

Contains charts showing average ice conditions and limits of heavy polar ice, probable extreme limit of sea ice, and of icebergs, from Kara Sea to Hudson Strait.

Copy seen: DN-HO.

6106. GREAT BRITAIN. METEOROLOGICAL OFFICE. MARINE DIVISION. Monthly meteorological charts and ocean current chart of the Greenland and Barents seas. London [1942?] 73 charts on 25 l. with accompanying text. (*Its:* M.O.M. 402B)

Contains mean barometric pressure; frequency, force and direction of wind; frequency of winds of gale force; predominant direction, constancy, and force of surface winds; mean air temperature (°F); and relative values of mean sea temperature (°F) for each month; sea surface currents throughout the year.

Copy seen: DN-HO.

6107. GREAT BRITAIN. PARLIAMENT. HOUSE OF COMMONS. SELECT COMMITTEE ON THE EXPEDITION TO THE ARCTIC SEAS. Report from the Select Committee on the Expedition to the Arctic Seas, commanded by Captain John Ross, R.N. . . . [London, 1834] 37 p., 1 l. fold.

map. ([Parliament, 1834. H. of C. Repts. and papers] 250) "Ordered, by the House of Commons, to be printed, 28 April 1834." Committee: Mr. Cutlar Fergusson, Sir Robert Peel, Sir Robert Inglis, and others.

Contains official report of the committee concerning the value of the Ross second voyage in search of the Northwest Passage, 1829-33; a copy of Ross' preliminary official report of the expedition; and the verbatim testimony of Captain John Ross, Commander James C. Ross, Felix Booth and others, concerning the discovery of the magnetic pole, other accomplishments of the expedition, relations between the persons associated with the expedition, the value of the services of the individual members of the crew, etc.

Map of the Arctic westward of 30°E. to 180°, showing routes of the ten arctic expeditions conducted between 1818 and 1828, not including the second Ross voyage.

Copy seen: DLC.

GREAT BRITAIN. TREATIES, *see* Denmark. Treaties. Bekendtgørelse, britiske statsborgere. 1925-26.

6108. GREAT BRITAIN. WAR OFFICE. Operations in snow. Prep. under the direction of the Chief of the Imperial General Staff. [London] 1943. 188 p. incl. 12 plates. illus. (*Its:* Military training pamphlet. No. 62. 26/GS Publications/1055)

Contents: General, tactical notes; movements, weather and snow conditions; engineering; camps, bivouacs, and shelters; hygiene, sanitation and medical considerations (including snow blindness and frostbite); sledges and sledging, camouflage in snow; care of equipment; ski training.

Appendices (thirteen) include skis and skiing, snowshoes, snow shelters and houses and dog transport.

Copy seen: NNStef.

6109. GREBENSHCHIKOV, V. E. Spoby promysla pestša v ĭamal'skom okruge. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promysloвого khoziaistva. Seria "Promyslovoe khoziaistvo", 1940. Vyp. 13, p. 49-79) *Title tr.:* Methods of hunting arctic foxes in Yamal district.

Description of hunting and trapping methods used for foxes in this northwestern part of Omsk Province; sta-

tistical data on results; also hunting organizations and their equipment.

Copy seen: DLC.

GREBNITSKII, NIKOLAI ALEKSANDROVICH, *see* Bean, T. H., & B. A. Bean. Fishes collected Bering & Copper I. 1897.

GREBNITSKII, NIKOLAI ALEKSANDROVICH, *see also* Bean, T. H., & B. A. Bean. Notes on fishes collected in Kamchatka. 1897.

GREBNITSKII, NIKOLAI ALEKSANDROVICH, *see also* Dall, W. H. Report on Bering I. mollusca. 1887.

6110. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Arctic exploration, with reference to Grinnell Land. (Royal Geographical Society. Proceedings, Mar. 1886. New ser., v. 8, p. 156-76)

Lecture delivered extemporaneously before the society, Dec. 1885, followed by discussion from the members, p. 172-76. Includes views on the boundaries of Grinnell Land (then not known to be part of Ellesmere Island), on its glaciers and their role in the iceberg complex of northern waters, and a moving account of the hardships and the perils endured by members of the Lady Franklin Bay Expedition, 1881-1884.

Copy seen: DLC.

6111. GREELY, ADOLPHUS WASHINGTON, 1844-1935. The cartography and observations of Bering's first voyage. (National Geographic magazine, Jan. 1892. v. 3, p. 205-230, fold. map)

Contains a list of, and remarks on early cartographic reproductions of Bering's discoveries, with discussion of the "alleged observations of lunar eclipses in Kamchatka by Bering", 1728-29, and a quotation from Lt. Sven Waxel's account of the second voyage.

Copy seen: DGS.

6112. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Handbook of Alaska; its resources, products, and attractions. New York, C. Scribner's Sons, 1909. xiii, 280 p. 24 plates, 8 maps (1 fold., 1 double-face)

Published also in London, by Unwin, 1909. Another edition published in New York by Scribner's, 1914 (xxxii, 280 p.) is a reprint of the 1909 edition's text and illustrative matter, with addition of a new preface, p. ix, and a new

prefatory chapter on Alaska from 1909 to 1914. Based on available reports and the author's nine years' experience in Alaska.

Contains chapters on administration, climate, transportation, trade, agriculture, mining (in general and by region) sealing, fisheries, physical features, inhabitants (white and native), education, game, the Aleutian Islands, and the Canadian Klondike; with tabular data at the end.

Copy seen: DLC (1909, 1914 editions); NNS Stef (1909).

6113. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Handbook of Alaska; its resources, products, and attractions in 1924. 3d ed., with new chapters on fisheries, fur-farming, fur seals, game, gold-mining, petroleum and coal, railroads, reindeer, and volcanoes. New York, London, C. Scribner's Sons, 1925. x p., 2 l., 3-330 p. 24 plates, 8 maps (1 fold.)

"This Handbook has been practically rewritten . . . the new trend of affairs relative to coal and oil lands is set forth with reference to recent leasing laws. The rapidly changing conditions of gold mining . . . are treated for thirty-four separate districts".

Copy seen: DLC; NNS Stef.

6114. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Handbook of polar discoveries. 5th ed., rev. and enl. Boston, Little, Brown & Co., 1910. vi p., 3 l., [3]-336 p. front. (port.) 7 maps (part fold.)

First published with title: Handbook of arctic discoveries. Boston, Roberts Bros., 1896 (x, 257 p. 11 maps). Third edition published by Little, Brown and Co. 1906 (iv, 325 p., 12 maps) includes section on Antarctic. Fourth edition 1909 (vi, 336 p., 7 maps) has added chapter on the conquest of the North Pole. Fifth edition is same as fourth. Basic reference book on history of exploration especially for the North American Arctic.

Contains (p. 3-270) précis of northern explorations from the time of the Cabots, 1497, to Peary, 1909, arranged by topics and geographical regions, e.g. early northwest voyages, Novaya Zemlya, Northeast Passage, Spitsbergen, Bering Strait, Northwest Passage, Franklin Search, north polar voyages, Siberian Islands, International Polar

Year stations, Greenland, etc., with bibliographies at the end of each chapter and a polar bibliography, p. 318-24. The latter part of the book deals with the Antarctic.

Copy seen: DLC.

6115. GREELY, ADOLPHUS WASHINGTON, 1844-1935. The origin of Stefansson's blond Eskimo. (National geographic magazine, Dec. 1912. v. 23, p. 1225-38, illus.)

Discussion of accounts by many earlier explorers, and of opinions by ethnologists, and Greenland historians, concerning the mixture of Eskimo and other races, as it is related to the question of the origin of present-day Copper Eskimos.

Copy seen: DLC; NNStef.

6116. GREELY, ADOLPHUS WASHINGTON, 1844-1935. The polar regions in the twentieth century; their discovery and industrial evolution. Boston, Little, Brown & Co., 1928. x, 270 p. illus., 21 plates, incl. port., fold. map. Brief history of exploration before the 20th century in north and south polar regions; with an index.

Copy seen: DLC; NNStef.

6117. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Recent discoveries in northern Greenland and in Grinnell Land. (Royal Geographical Society. Proceedings, Nov. 1884. New ser., v. 6, p. 679-81, fold. map)

Brief notes on the journeys of Lt. Lockwood of the Lady Franklin Bay Expedition, 1881-84, which resulted in the mapping of the North Greenland coast to 83°24'N. 40°46'W. and of the explorations on the northern part of Ellesmere Island. *Copy seen:* DLC.

6118. GREELY, ADOLPHUS WASHINGTON, 1844-1935. Three years of arctic service; an account of the Lady Franklin Bay Expedition of 1881-84, and the attainment of the farthest north. New York, C. Scribner's Sons, 1886. 2 v.: xxv, 428 p.; xii, 1 l., 444 p. illus., 43 plates, ports., 9 maps (part fold.) fold. facsim. Published also in Great Britain, 1886, with same collation; also N. Y. 1894.

This United States expedition during the First International Polar Year, based at Fort Conger, Lady Franklin Bay, about 81°45'N. on the east coast of Ellesmere Island, explored the north coast of Greenland from Cape Bryant

to Cape Washington, about 82°30'-83°30'N., the interior and west coast of Grinnell Land (northern Ellesmere Island), and extended the mapping of Hayes Sound, about 79°N. on Ellesmere. As relief ships failed to reach them, members of the party made a march out of the Hall Basin area, all but seven dying of starvation before rescue at Cape Sabine, Smith Sound.

This narrative of the expedition's course by the leader, includes accounts of the battle with ice on the sea, the sledge journeys, the life of the men in camp and on the march, and the geography of territory explored; with a chapter on polar ice.

Appendices: 1. Means of meteorological observations at Fort Conger, 1881-84.

2. Mean pressures and temperatures at international stations, 1882-83.

3. Mean and minimum temperatures at various polar stations.

4. Maximum thickness of salt-water ice observed at various polar stations.

5. Results of sound experiment at Fort Conger.

6. Ethnology (notes on Polar Eskimos and possible early occupation of the most northerly land areas).

7. Natural history notes. (Field notes on seventeen land and sea mammals).

8. Ornithology. (Field notes on forty species of birds, with table of thirty-two species observed north of 81°30', 1871-83).

9. Botany. (Annotated list of sixty-three species of flowering plants).

10. LEHNERT, E., and A. W. GREELY. Mosses and lichens.

11. FEWKES, J. W. Report on the Medusae collected in the Lady Franklin Bay Expedition.

12. BEAN, T. H. On salmon caught in Lake Alexandria, 81°40'N.

13. Account of auroral displays accompanying the great magnetic storm of Nov. 15-19, 1882, noted at Fort Conger.

14. BRAINERD, D. L. Report on a petrified forest, discovered, May 20, 1883, near Cape Baird, 81°30'N. 64°30'W.

15. GARDINER, H. S. Report on fossils collected at Cape Cracroft.

16. List of game obtained within the Arctic Circle.

Appendices no. 10-12, 14-15, appear in this bibliography under the authors' names. *Copy seen:* DLC; NNStef.

6119. GREELY, ADOLPHUS WASHINGTON, 1844-1935. True tales of arctic heroism in the New World. New York, C. Scribner's Sons, 1912. xii p., 1 l., 385 p. illus. (16 maps) 16 plates, incl. ports.

Contents: The loyalty of Philip Staffe to Henry Hudson. Franklin's crossing of the Barren Grounds. The retreat of Ross from the *Victory*. The discovery of the Northwest Passage. The timely sledge journey of Bedford Pim. Kane's rescue of his freezing shipmates. How Woon won promotion. The Angekok Kalutunah and the starving whites. Dr. Rae and the Franklin mystery. Sonntag's fatal sledge journey. The heroic devotion of Lady Jane Franklin. The marvellous ice-drift of Captain Tyson. The saving of Petersen. Life on an East Greenland ice-pack. Parr's lonely march from the great frozen sea. Relief of American whalers at Point Barrow. The missionary's arctic trail. Schwatka's summer search. The Inuit survivors of the stone age. The fidelity of Eskimo Brönlund. The wifely heroism of Mertuk, the daughter of Shung-Hu.

Copy seen: DLC; NNS Stef.

6120. GREELY, ADOLPHUS WASHINGTON, 1844-1935. The United States Arctic Expedition to Lady Franklin Bay. (Royal Geographical Society. Proceedings, Mar. 1882. New ser., v. 4, p. 171-75) Report, dated Aug. 15, 1881, at Fort Conger, to the Chief Signal Officer, U. S. Army.

Narrative of this First International Polar Year Expedition, commanded by the author, covering activities from July 7 to Aug. 15, 1881.

Copy seen: DLC.

GREELY, ADOLPHUS WASHINGTON, 1844-1935, *see also* American Geographical Society, *New York*. Arctic meeting at Chickering Hall. 1884.

GREELY, ADOLPHUS WASHINGTON, 1844-1935, *see also* Lehnert, E., & A. W. Greely. Mosses & lichens (Lady Franklin Bay Exped.) 1886.

6121. GREEN, E. Arctic "caterpillars." An account of man's fight with winter and his ingenuity in keeping a caterpillar tractor train running in the face of great difficulties. (Beaver, Dec. 1934. Outfit 265, no. 3, p. 46-48, illus.)

General account of a commercial

freight haul from Norway House to Island Lake, Manitoba, fall of 1932.

Copy seen: DSI-M.

6122. GREEN, E. Wings over the magnetic pole. (Beaver, Mar. 1936. Outfit 266, no. 4, p. 46-50, 66, illus.)

Account, drawn from the log of W. E. Gilbert, Canadian Airways pilot, of a flight, Aug.-Sept. 1930, from Fort McMurray to Hunter Bay, and thence (with Major L. T. Burwash) to make an aerial survey of the Magnetic North Pole, and to visit a camp site of the Franklin Expedition on Back Bay.

Copy seen: DSI-M.

6123. GREEN, EDWARD. In defense of the husky. (Alaska sportsman, Nov. 1938. v. 4, no. 11, p. 16-18, illus.)

Discussion of the disposition and general characteristics of Alaskan sledge dogs.

Copy seen: DLC.

GREEN, EDWARD, *see also* Mansell, F., & E. Green. Unknown quantity. 1938.

6124. GREEN, FITZHUGH, 1888- Bob Bartlett, master mariner. New York, London, G. P. Putnam's Sons, 1929. viii, 211 p. front., illus., plates, ports. "A book for boys about Peary's famous skipper."

Contains in addition to stories of Bartlett's experiences in arctic seas, a chapter on building snow-houses.

Copy seen: DLC; NNS Stef.

6125. GREEN, FITZHUGH, 1888- The Crocker Land Expedition; the story of the last extensive dog-sledge expedition in the Arctic. (Natural history, Sept.-Oct. 1928. v. 28, p. 463-75, incl. 4 p. of illus.)

Contains notes on the establishment of a base at Etah, an account of the dog sledge trip, Mar.-May 1914, by the author, D. B. MacMillan, leader of the expedition, and nine other men, from Etah, across Smith Sound and Ellesmere Island to Cape Thomas Hubbard and thence 150 miles north over the ice of the arctic sea, searching for Crocker Land (reported by Peary) and proving its non-existence.

Copy seen: DLC; NNM; NNS Stef.

6126. GREEN, FITZHUGH, 1888- Peary, the man who refused to fail. New York, London, G. P. Putnam's Sons, 1926. viii, 404 p. 20 plates, maps on lining-papers.

Biographical account of Peary and his work in the North, for the general reader with emphasis on human interest somewhat more than on scientific achievement; based in part on information and impressions gathered from interviews with Eskimos, during the author's own four-year sojourn in the region where Peary had been personally known.

Copy seen: DLC; NNStef.

GREEN, J. E., *see* Brown, M., & others. Note on trichinosis animals Canadian NWT. 1949.

GREEN, J. E., *see also* Brown, M., & others. Trichinosis on Southampton I., N.W.T. 1949.

6127. GREENAWAY, K. R. Present status of polar navigation. (Navigation, Sept. 1949. v. 2, p. 71-76)

Discussion of projections favored for maps and charts of polar regions, grid direction, the status of aids to celestial observations, radar, and radio aids; notes on improvements to the navigator's facilities on the airplane, and on Canadian efforts to improve high latitude navigation.

Copy seen: DN-HO; DP.

6128. GREENE, BENJAMIN FRANKLIN, 1817-1895. Use of compass in arctic navigation. (U. S. Navy Dept. Report of the Secretary of the Navy, 1875. p. 68-72)

In response to a letter from an arctic whaling captain, concerning the uselessness of compasses in far northern latitudes, the author who was professor of mathematics and superintendent of compasses, demonstrates navigational techniques for areas of changing magnetic conditions. Published in German, in *Annalen der Hydrographie und maritimen Meteorologie*, Aug. 1876. Jahrg. 4, p. 331-35.

Copy seen: DLC.

6129. GREENE, RAYMOND. The prevention and treatment of frostbite. (Polar record, Jan. 1942. v. 3, p. 481-88)

The author, a physician and a member of the Mount Everest Committee of the Alpine Club and Royal Geographical Society, mentions trench foot, shelter foot, and immersion foot, and discusses causes, prevention and treatment of true frostbite.

Copy seen: DLC.

6130. GREENE, WILLIAM HOWE, 1865-. The wooden walls among the ice floes, telling the romance of the Newfoundland seal fishery. London, Hutchinson & Co., Ltd., 1933. xix, 298 p. 67 plates, incl. 2 maps.

History and description, life and work of ships and men engaged in sealing on the Grand Banks of Newfoundland.

Copy seen: DLC; NNStef.

6131. GREENLAND. LANDSRAAD. De forenede grønlandske landsraads forhandlinger. København, A/S J. H. Schultz, 1946-49. *Title tr.*: The proceedings of the United Colonial Councils of Greenland.

Contains the deliberations and decisions of the Colonial Councils of Greenland, assembled in joint sessions, on questions of interest to West Greenland, and to Greenland as a whole, including administration, school and church, sealing, whaling, fishery, hunting, wildlife conservation, social reforms, etc.

Copy seen: NN (1940, 1941, 1943, 1945, 1946, 1948).

6132. GREENLAND. LANDSRAAD. De grønlandske landsraads forhandlinger. København, A/S J. H. Schultz, 1938-1948. *Title tr.*: The proceedings of the Colonial Councils of Greenland.

The councils in separate or joint sessions published their reports in one continuously paged series: 1938-47, p. 1-886; 1948, p. 1-224. The reports of joint sessions are published as *De forenede grønlandske landsraads forhandlinger*, q.v.

These reports of the separate sessions contain the discussions and deliberations of the councils of "South" and "North" Greenland (i.e. west coast, south and north of 67°40'N. respectively), on topics and problems of interest to the Greenlanders of the South and the North, respectively.

Copy seen: DLC (1938, 1947); NN (1938, 1939, 1947).

6133. GREENLAND. LAWS, REGULATIONS, etc. Danske og islandske statsborgeres ret til at besejle og bosaette sig paa Østgrønland. (Grønlandske selskab. Aarsskrift, 1923-24. p. 62-63) *Title tr.*: Rights of Danish and Icelandic citizens to navigate on and settle in East Greenland.

A proclamation applicable to Danish,

Icelandic and, in certain instances, to foreign citizens. Contains rules governing navigation, settlement, the erection of stations and buildings, etc., on the east coast of Greenland between Lindenow Fiord (60°27'N.) and Nordostrundingen (81°N.), the Angmagssalik District excepted; together with other directives and rules. Issued by A. P. Olsen on behalf of the colonial government in Copenhagen, July 5, 1924. *Copy seen:* NN; NNStef.

6134. GREENLAND. LAWS, REGULATIONS, etc. Kundgørelse for søfarende i havet omkring Grønland. (Grønlandske selskab Aarsskrift, 1925-26. p. 130-34) Edited by Jens Daa-gaard-Jensen. *Title tr.:* Proclamation to navigators in waters surrounding Greenland.

Contains law limiting navigation, hunting, fishing, etc., in all Greenland waters (except East Greenland) to Greenlanders and Danes, resident in Greenland. Contains also other decrees. *Copy seen:* NN.

6135. GREENLAND. LAWS, REGULATIONS, etc. Lov om Grønlands styrelse. (Grønlandske selskab. Aarsskrift, 1925-26. p. 113-29) *Title tr.:* Law pertaining to government of Greenland.

Contains a proclamation pertaining to the administrative division of Greenland; definition of boundaries; ecclesiastical and medical districts; trade rules; educational and community savings fund provisions; citizen rights; judicial instructions, etc. *Copy seen:* NN.

6136. GREENLAND. LAWS, REGULATIONS, etc. Lov og Kundgørelser. Lov om fangst, fiskeri og jagt i grønlandske farvande m. m. (Grønlandske selskab. Aarsskrift, 1925-26. p. 109-12) *Title tr.:* Laws and proclamations. Law pertaining to hunting, fishing and catch in Greenlandic waters, etc.

Contains a proclamation by King Christian X of Denmark, defining territories and waters of Greenland; rules for entering harbors; navigation, fishing, hunting within the three-mile limit, etc. *Copy seen:* NN.

6137. GREENLAND. LAWS, REGULATIONS, etc. Midlertidig lov om adgang for danske fiskerskibe til fiskeri i grønlandske farvande. (Grønlandske selskab. Aarsskrift, 1926-27. p. 85)

Title tr.: Temporary law pertaining to fishery by Danish fishing vessels in Greenland waters.

A law defining temporary fishing rights of Danish fishery vessels in Greenland, and extending them to include waters outside a line drawn from Haabets Island in the north (64°09'N., 52°04'W.) to Ravn's Storø in the south (62°43'N., 50°25'W.), West Greenland. *Copy seen:* NNStef.

6137A. GREENLAND. LAWS, REGULATIONS, etc. Tillaeg og ændringer af 7 juni 1930 til lov for stationen Thule. København, A. Rosenbergs bogtrykkeri, [1930] *Title tr.:* Additions to and changes in the laws for the station Thule, dated June 7, 1930.

Contains laws pertaining to the conservation of wildlife, the shooting of walrus, damage done by dogs, etc. Issued by Knud Rasmussen and countersigned by Rudolf Sand. (Printed in the Danish and Greenlandic languages, including the title page.) *Copy seen:* NNStef.

GREENLAND. LAWS, REGULATIONS, etc., see also Tving, R. C. N. Traek af Grønlandsfartens historie. 1944.

6138. GREENLAND; published by the Commission for the Direction of the Geological and Geographical Investigations in Greenland. Copenhagen, C. A. Reitzel; London, H. Milford, Oxford University Press, 1928-29. 3 v. illus. (incl. ports., facsim.) fold. map, diagrs. Editors: M. Vahl, G. C. Am-drup, L. Bobé, Ad. S. Jansen.

Produced under auspices of Denmark's Commission for Scientific Investigations in Greenland, as was *Grønland i tohundredeåret for Hans Egedes landing, 1921*, q.v. But this is a new and entirely different work.

A coordinated group of scientific, monographic reports on the geography and history of the country, based on the comprehensive research carried on in Greenland during the years subsequent to the work of H. J. Rink, with bibliographies throughout.

Contents: v. 1. The discovery of Greenland, exploration and nature of the country.

BOBÉ, L. Early explorations of Greenland.

WANDEL, C. F. Scientific investigations in Greenland.

TRAP, F. H. The cartography of Greenland.

VAHL, M. The geographical situation of Greenland.

NIELSEN, J. N. The waters round Greenland.

BÖGGILD, O. B. The geology of Greenland.

PETERSEN, H. The climate of Greenland.

OSTENFELD, C. H. The flora of Greenland.

WARMING, E. The vegetation of Greenland.

JENSEN, A. S. The fauna of Greenland.

KAYSER, O. The inland ice.

BIRKET-SMITH, K. Physiography of West Greenland.

KOCH, L. Physiography of North Greenland.

STORGAARD, E. Physiography of East Greenland.

Vol. 2: *The past and present population of Greenland.*

BIRKET-SMITH, K. The Greenlanders of the present day.

SCHULTZ-LORENTZEN, C. W. Intellectual culture of the Greenlanders.

THOMSEN, T. Eskimo archaeology.

JÖNSSON, F. On the Icelandic colonization of Greenland.

BRUUN, D. Old Norse farms.

NÖRLUND, P. The finds from Herjolfsnes.

Vol. 3. *The colonization of Greenland and its history until 1929.*

HATT, G. Types of European colonization.

RASMUSSEN, G. The status of Greenland in international law.

LINDOW, H., Trade and administration of Greenland.

BOBÉ, L. History of the trade and colonization until 1870.

OSTERMANN, H. B. S. the trade from 1870 to the present time.

GARDE, T. V. The navigation of Greenland.

BALLE, K. The church of Greenland of the present day.

OSTERMANN, H. B. S. The history of the mission.

SCHULTZ-LORENTZEN, C. W. The educational system of Greenland.

BERTELSEN, A. Sanitation and health Conditions in Greenland.

BÖGGILD, O. B. Mining in Greenland.

Appendix I. VAHL, M. The area of Greenland.

Appendix II. The population of Greenland at 31, December 1927.

Appendix III. BÖGGILD, O. B. Additions to "The geology of Greenland."

Geographical index.

Ostermann, H. B. S. Etymological glossary.

Personal index.

Map, scale 1:4,000,000.

Each of these papers appears in this bibliography under its author's name.

A review and commentary on vol. 1 of this work appeared in the *Geographical review*, 1929. v. 19, p. 338-40, and of vol. 2 (*Man in Greenland; a review*, by V. Stefansson) in *ibid.*, 1930. v. 20, p. 657-63.

Copy seen: DLC.

6139. GREENLAND MISSIONS, WITH BIOGRAPHICAL SKETCHES of some of the principal converts. 2d. ed. rev. and enl. Dublin, Religious Tract & Book Society for Ireland, 1831. p. l, xi, 286 p. front. Another edition published in Dublin 1830 (xii, 348 p.)

On the Moravian missions in southwest Greenland, with notes on early work of Egede, the customs of the Eskimos, and their beliefs. Based on "Crantz's valuable history of Greenland and on the periodical accounts of the missions of the United Brethren"—

Preface.

Copy seen: CtY (1830); NN; NNStef.

6140. GREENMAN, W. G. Petroleum exploration in arctic Alaska. (Petroleum engineer, Dec. 1949. v. 21, no. 13, p. B7-B12, illus., sketch map)

Description, in general terms, of the methods of exploration, aerial photography, transportation and reconnaissance, permafrost problem, tractor trains, climatic and insect factors, and the broad research program now being carried out at Point Barrow in U. S. Petroleum Reserve no. 4.

Copy seen: DLC.

GREGG, W. R., *see Explorers journal*. Special number arctic search (Levan-evskii). 1937.

6141. GREGORY, HOMER EWART, 1886- , and KATHLEEN BARNES. North Pacific fisheries, with special reference to Alaska salmon. San Francisco, New York [etc.] American Council, Institute of Pacific Relations, 1939. xviii, 322 p. incl. tables, diags. [Studies of the Pacific, no. 3]

"This study was undertaken as a part of the international research pro-

gram of the Institute of Pacific Relations, with the cooperation of the International Research Committee and the American Council."—Preface.

Contains a study of conservation, economics, trade and labor in the salmon and halibut fisheries, including Alaska; with chapters on international problems including Japanese fishing in Soviet and Alaskan waters.

Copy seen: DF.

6142. GREGORY, JOHN WALTER, 1864–1932. Note on the sequence across central Spitsbergen from Advent Bay to Agardhs Bay. (Geological magazine, July 1921. v. 58 (dec. 6, v. 8) p. 295–96)

A brief statement of the stratigraphic succession in Sassen Valley, east of Ice Fiord, observed during the Sir Martin Conway Expedition, 1896.

Copy seen: DGS.

GREGORY, JOHN WALTER, 1864–1932, *see also* Garwood, E. J., & J. W. Gregory. Contributions to glacial geology of Spitsbergen. 1898.

6143. GREIMANN, PAUL, 1902– Roads, roads, roads! (Alaska life, Oct. 1948. v. 11, no. 10, p. 6–7, illus., map)

Discussion of the need for planning of future highways throughout the Territory of Alaska.

Copy seen: DLC.

6144. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Adrift on an ice-pan. Boston and New York, Houghton Mifflin co., 1909. xxv [1] p., 1 l., 68, [2] p. front. (port.) 7 plates.

To Grenfell's account of a night adrift with his dogteam along the Labrador coast, is added a biographical sketch of Dr. Grenfell, by C. J. Black, p. xi–xxv.

Copy seen: DLC; NNS Stef.

6145. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Down to the sea, yarns from the Labrador. New York, Chicago [etc.] Fleming H. Revell Co., [c1910] 226 p. incl. front. 12 plates, incl. ports.

Reprinted from various periodicals.

Copy seen: DLC; NNS Stef.

6146. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Down North on the Labrador. New York, Chicago [etc.] Fleming H. Revell Co., [c1911] 229 p. front., 11 plates.

Stories and sketches of the fishermen of the Labrador coast.

Copy seen: DLC; NNS Stef.

6147. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Forty years for Labrador. Boston and New York, Houghton Mifflin Co., 1932. viii p., 3 l., [3]–372 p. 16 plates, incl. ports.

A revision and enlargement of the author's *A Labrador doctor*, 1919. This autobiography tells the story of the author's work among the fishermen of Labrador and of his missions and hospital.

Copy seen: DLC; NNS Stef.

6148. GRENFELL, Sir WILFRED THOMASON, 1865–1940. The harvest of the sea; a tale of both sides of the Atlantic. New York, Chicago [etc.] F. H. Revell Co., [1905] 162 p. incl. front. 15 plates.

Includes a few chapters on the fisherman's lot on the Labrador Sea.

Copy seen: DLC; NNS Stef.

6149. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Labrador. (Geographical journal, Apr. 1911. v. 37, p. 407–19, illus., 5 plates, fold. map)

Paper read before Royal Geographical Society, in Feb. 1911, describing in general terms the physiography, coastal waters, geology, botany, agricultural possibilities, and climate of Labrador.

Copy seen: DLC.

6150. GRENFELL, Sir WILFRED THOMASON, 1865–1940. Labrador days; tales of the sea toilers. Boston and New York, Houghton Mifflin Co., 1919. 3 p. l., 230 [2] p. front.

Stories of Labrador fishermen.

Copy seen: DLC; NNS Stef.

6151. GRENFELL, Sir WILFRED THOMASON, 1865–1940. A Labrador doctor; the autobiography of Wilfred Thomason Grenfell. Boston and New York, Houghton Mifflin Co., 1919. 5 p. l., 441 [1] p. front. (port.) 23 plates.

This autobiography was revised and rewritten as his *Forty years for Labrador*, 1932, q.v.

Copy seen: DLC; NNS Stef.

6152. GRENFELL, Sir WILFRED THOMASON, 1865–1940. A Labrador doctor; the autobiography of Sir Wilfred Thomason Grenfell. London, Hodder and Stoughton [1948] 349 p. port. maps on lining-papers.

"Amalgam" of two previous autobiographies . . . Forty years for Labrador and A Labrador doctor."

Copy seen: DLC.

6153. GRENFELL, Sir WILFRED THOMASON, 1865-1940, and others. Labrador, the country and the people. New ed., rev. and with a new introduction. New York, Macmillan Co., 1922. xxvi p., 1 l., 529 p. front. (port.) illus., plates, double map.

To earlier editions, published in 1909 and 1913, is added an introduction sketching developments in all fields, and a chapter on conservation and exploration.

Contents: 1. Wallace, W. S. Historical introduction.

2. Grenfell, W. T. Travelled routes.
3. Grenfell, W. T. Physiography.
4. Daly, R. A. Geology and scenery.
5. Low, A. P. Hamilton River and Grand Falls.
6. Grenfell, W. T. People of the coast.

7. Cabot, W. B. The Indians.
8. Grenfell, W. T. The Missions.
9. Grenfell, W. T. Reindeer for Labrador.

10. Grenfell, W. T. Dogs.
11. Grenfell, W. T. Cod and cod-fishery.

12. Grenfell, W. T. Salmon-fishery.
13. Grenfell, W. T. Herring and other fish.

14. Grenfell, W. T. Ocean mammals.
15. Townsend, C. W. Birds.
16. Delabarre, E. B. Flora.
17. Animal life in Labrador.
18. Conservation and exploration in Labrador.

Appendices: 1. Johnson, C. W., and J. Sherman, Insects.

2. Rathbun, M. J. Marine crustacea.
3. Johnson, C. W. Mollusks.
4. Bangs, O. List of the mammals.
5. Townsend, C. W., and G. M. Allen. List of the birds.

6. Rathbun, M. J. List of Crustacea. Bibliographies (77 items).

Copy seen: DLC (1909, 1913, 1922 ed.); NNStef. (1922 ed.)

6154. GRENFELL, Sir WILFRED THOMASON, 1865-1940. Northern neighbors; stories of the Labrador people. Boston and New York, Houghton Mifflin Co., 1923. v [1] p., 2 l., 332, [1] p. 8 plates.

Eighteen stories of which eight are

reprinted from his, *Off the rocks*, 1906.

Copy seen: DLC; NNStef.

6155. GRENFELL, Sir WILFRED THOMASON, 1865-1940. Off the rocks; stories of the deep-sea fisherfolk of Labrador, by Wilfred T. Grenfell . . . with an introduction by Henry Van Dyke. Philadelphia, The Sunday School Times Co., 1906. xi, 203 p. front., 9 plates.

Sixteen stories of the Eskimos and others dwelling on the coast.

Copy seen: DLC; NNStef.

6156. GRENFELL, Sir WILFRED THOMASON, 1865-1940. The problems of Labrador. (Canadian geographical journal, Nov. 1933. v. 7, p. 200-12, illus., port.)

A discussion (in general) of the difficulties which have accompanied the development of Labrador. Includes remarks on the vegetation, climate, natural resources, soils, etc.

Copy seen: DLC.

6157. GRENFELL, Sir WILFRED THOMASON, 1865-1940. The romance of Labrador. New York, Macmillan Co., 1934. xiv p., 1 l., 329 p. front., illus., 31 plates.

A record in popular style of the scientific and historical facts drawn from the author's forty years' experience on the Labrador coast, and from the published work of many others. Includes chapters on geology, Indians, Eskimos, the fisheries, flora, fauna, birds, exploration, and Moravian missions.

Copy seen: DLC; NNStef.

6158. GRENFELL, Sir WILFRED THOMASON, 1865-1940. Tales of the Labrador. Boston and New York, Houghton Mifflin Co., 1916. 3 p. l., 239, [1] p., 1 l. front.

Eleven stories of shipwreck, peril and adventure among the fishermen and of the life of the Eskimos.

Copy seen: DLC; NNStef.

6159. GRENFELL, Sir WILFRED THOMASON, 1865-1940. Vikings of today; or, Life and medical work among the fishermen of Labrador. London, Marshall Brothers, 1896. xvi, 240 p. incl. front., illus., 11 plates.

Contains a brief characterization of Labrador and its inhabitants, native and white; an account of late 19th century work on the hospital ship

along the coast; and some medical statistics.

Copy seen: DLC; NNSTef.

6160. GRENFELL, Sir WILFRED THOMASON, 1865-1940. "What's in Labrador?" (Forest and outdoors, Nov. 1920. v. 16, p. 499-502)

General notes on forests along the coasts.

Copy seen: DA.

6161. GRENNAN, W. C. The highway of Alaska. (Royal Canadian Mounted Police quarterly, Apr. 1948. v. 13, p. 320-35, illus., sketch map)

Description, in some detail, of the building of the highway, its route, scenic beauties, present accommodations, original purpose to service the airline from Alberta to Alaska, and policing of the road.

Copy seen: CaOM.

6162. GRENNAN, W. C. Northern dogs. (Royal Canadian Mounted Police quarterly, Jan. 1934. v. 1, p. 113-14, plate)

Brief statement on breeds, breaking and training, harness, sleds, stamina, and habits, feed, etc., based on experience of Royal Canadian Mounted Police in northern Canada.

Copy seen: CaOM.

6163. GRESHAM, BURT. Flight of the blue goose. (Beaver, Mar. 1939. Outfit 269, no. 4, p. 16-19, illus., sketch map)

Discussion of migration routes of the birds.

Copy seen: DSI-M.

6164. GREVILLE, ROBERT KAYE. Description of a new species of *Potentilla*, from the west coast of Greenland; with some account of the arctic flora. (Wernerian Natural History Society. Memoirs, 1820, pub. 1821. v. 3, p. 416-36, plate)

Full description of a flowering plant collected by William Jameson on Hare Island, during the Ross Voyage, 1818; catalog of plants collected by Jameson in West Greenland, 1818 and 1820; and a catalog of plants found on West Spitsbergen by Capt. Scoresby; together with some further notes on arctic collections of the same period.

Copy seen: DLC.

6165. GREVINGK, KONSTANTIN I., 1819-1887. Beitrag zur Kenntniss der orographischen und geognostischen Beschaffenheit der Nord-West-Küste Amerikas, mit den anliegenden Inseln.

St. Petersburg, Gedruckt bey K. Kray, 1850. iv, [3]-351 p. 4 plates, 5 (incl. 3 fold). maps. Reprinted from Russisch-Kaiserliche mineralogische Gesellschaft zu St. Petersburg. Verhandlungen für die Jahre 1848-49, pub. 1850, p. 76-424. *Title tr.:* Contribution to the knowledge of the orography and geognosy of the northwest coast of America and neighboring islands.

Contains descriptions of the coastal forms, mountains, rivers, bays, islands, peninsulas, etc., from San Francisco Bay north to Cape Lisburne, mainly of the Alaskan area and Aleutian Islands, with sections on Commander and Pribilof groups. Notes basic structure, the rocks and surface features; discusses (from the literature) the volcanology of southern Alaska, the Aleutians, and Kamchatka, and gives tables of disturbances arranged geographically and chronologically (1690-1844).

Appendices: 1. The fossil fauna and flora of the whole area, arranged by geologic periods.

2. Material on the history of expeditions and discoveries in western North America and neighboring seas. A. Important sources. B. Chronological summary (1542-1849) of the expeditions and index to the sources.

This work, which won an award from the Russian Academy of Sciences, is a comprehensive compilation of the information available to the author, then librarian of the Mining Institute of St. Petersburg, later professor of mineralogy at the University of Yuriev (Dorpat).

Copy seen: DGS.

6166. GREVINGK, KONSTANTIN I., 1819-1887. Puteshestvie na poluostrov Kanin. Sanktpeterburg, 1891. 73 p., illus., 1 fold. col. map. (Akademiia nauk SSSR. Zapiski. T. 67, suppl. no. 11) *Title tr.:* A trip to the Kanin Peninsula.

First publication of part of a journal on the geology of the peninsula and its western approaches (p. 5-41), result of an exploratory trip undertaken for the Academy in 1848.

Contains A. Karpinskii's "Remarks on the rocks of Kanin Range", F. Chernyshev's "The geological structure of Kanin Peninsula", and S. Nikitin's "A note on some Mesozoic fossils from the Kanin Peninsula and Mezen' River in the collections of Prof. K. Grevingk and Academician A. Ruprecht".

Map: Geological map (with vertical section) of Kanin Peninsula, compiled by F. Chernyshev. Scale 1 in. : 20 versts. **Copy seen:** DLC.

6167. GREVINGK, KONSTANTIN I., 1819-1887. Ueber eine, im Sommer 1848 unternommene Reise nach der Halbinsel Kanin am nördlichen Eismeere. (Akademiia nauk SSSR, Bulletin, 1850. Sér. 2, t. 8, p. 44-48) **Title tr.:** On a journey to Kanin Peninsula on the Arctic Ocean, undertaken in the summer 1848.

Brief account of an Imperial Academy of Sciences' expedition, May-Oct., for geognostic investigations in northern Russia, including this peninsula. **Copy seen:** DLC.

GREWINGK, CONSTANTIN CASPAR ANDREAS, see GREVINGK, KONSTANTIN I., 1819-1887.

6168. GREZE, B. S. O pitanii karasïa oz. B. Tiungfûlu. (Leningrad. Gosudarstvennyi gidrologicheskii institut. Issledovaniia ozer SSSR, 1935. Vyp. 8, p. 150-52) **Title tr.:** The food of crucians in Lake Bol'shoye Tyungyulyu.

Results of examination of the contents of intestines of twenty-nine crucian carp taken from this lake in Yakut A.S.S.R. Summary in German. **Copy seen:** DLC.

6169. GREZE, V. N. Taimyrskoe ozero. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 3, p. 289-302, map, diagrs.) **Title tr.:** Lake Taymyr.

A hydrobiological description of Lake Taymyr (73°-76°N. and 92°-108°E.) based on the author's observations, 1943-44. **Copy seen:** DLC.

6170. GRIBANOVSKII, N. N. Bibliografiia Ìakutii. Leningrad, 1932-35. 2 pt. in 3 v. viii, 127 p.; iv, 232 p.; viii, 220 p. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy. Seriya Ìakutskaiia, vyp. 9, 15, 23) **Title tr.:** Bibliography of Yakutia.

Contents tr.: Pt. 1 (pub. 1932) Natural resources and population. Pt. 2 (pub. 1934-35) Economics.

An annotated catalog of 1109 items (in pt. 1) published before 1928, and between 1928-31, dealing with (1) general questions of economic geography; (2) geodesy and cartography; (3) rivers; (4) lakes; (5) seas; (6) climate; (7) mineral resources; (8)

vegetation; (9) animal life; and (10) population.

Pt. 2 has 8464 items in two sections. Vyp. 1 contains 4207 items published before the October Revolution of 1917, dealing with (1) economic conditions; (2) political economy; (3) agriculture; and (4) individual branches of agriculture (farming, agricultural aid, livestock breeding, dairy farms, wood industry, hunting and fishing). Vyp. 2 contains 4257 items published after 1917 dealing with problems of (1) industry; (2) transportation; (3) communication; (4) trade; (5) cooperation and (6) finance. **Copy seen:** NN.

6171. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Brachiopods and molluscs, with a supplement to the echinoderms. Kristiania, A. W. Brøgger, 1909. 45 p. plate. (Norske videnskapsakademii, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3, (no. 20))

Contains annotated lists, with localities, of one brachiopod, fifty-four species of molluscs, and seven species of echinoderms, collected from Smith Sound and Jones Sound, including eleven mollusc species not previously reported from those regions. Bibliography (77 items). **Copy seen:** DLC.

6172. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Decapoda Crustacea fra bankerne ved Svalbard. Bergen, J. Grieg, 1933. 34 p. (Bergen, Norway. Museum. Aarbok, 1932. Naturvidenskabelig raekke, nr. 2) **Title tr.:** Decapoda Crustacea from banks near Svalbard.

Based on collections made by Norwegian fisheries investigations of banks in the seas east, south and west of West Spitsbergen, and in Advent Bay and Green Harbor, 1923-1931. A list, with notes on size, abundance, localities and distribution, of thirteen species of lobsters, shrimps and crabs, with a list of stations, 1928-31. Bibliography. **Copy seen:** DLC.

6173. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermata. Kristiania, A. W. Brøgger, 1907. 28 p. 3 plates. (Norske videnskapsakademii, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 2, (no. 13))

List (with locations, and remarks upon specimens) of seventeen species of starfish, sea urchins, etc. from Jones

and Smith Sounds, including three not previously reported from these waters. Bibliography, p. 27-28.

Copy seen: DLC.

6174. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermata. The Folden Fiord, part 7. Tromsø, Norway, 1928. p. 1, 12 p. (Tromsø, Norway. Museum. Skrifter, v. 1, pt. 7)

Annotated list of forty species (2 crinoids, 13 starfishes, 12 ophiuroids, 9 sea urchins and 7 holothuroids) collected by T. Soot-Ryen in 1923 in the northern Norwegian waters between 67°21'-53'N. 14°40'-15°53'E.

Copy seen: DLC; DSI-M.

6175. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermata from the Siberian Arctic Ocean. Bergen, John Grieg, 1928. 16 p. (*Maud* Expedition, 1918-1925. Scientific results, v. 5, no. 4)

List, with synonymy, references to literature, localities, distribution and remarks on specimens, of fifteen species of starfishes, etc., collected in the East Siberian and Laptev Seas and the New Siberian Islands waters; with list of stations and bibliography (43 items).

Copy seen: DSI-M.

6176. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermen von dem norwegischen Fischereidampfer "Michael Sars" in den Jahren 1900-1903 gesammelt. I. Ophiuroidea. Bergen, J. Grieg, 1904. 45 p. illus., tables. (Bergen, Norway. Museum. Aarbok, 1903. Nr. 13) *Title tr.:* Echinoderms collected by the Norwegian fisheries steamer *Michael Sars*, in the years 1900-1903. 1. Ophiuroidea.

The *Michael Sars* cruised via Iceland to the middle of Denmark Strait, thence to northern Norwegian coastal waters, Bear Island and return to Lofoten Islands in 1900; during the spring and summer, 1901, the course included Norwegian arctic waters and the sea between Finnmark, Bear Island and West Spitsbergen; in 1902-03 the ship cruised in southern Greenland Sea and Norwegian fiords. The author presents discussion of the cold and warm water areas and their faunas, and a list, with localities and discussion of depths, temperatures, etc., of twenty-four species of brittle and basket stars; with a table of stations giving depths and temperatures. *Copy seen:* DLC.

6177. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermen von dem norwegischen Fischereidampfer "Michael Sars" in den Jahren 1900-1903 gesammelt. II. Crinoidea. Bergen, J. Grieg, 1905. 39 p. illus., tables. (Bergen, Norway. Museum. Aarbok, 1904. Nr. 5) *Title tr.:* Echinoderms collected by the Norwegian fisheries steamer *Michael Sars*, in the years 1900-1903. 2. Crinoidea.

Contains discussion of habitats and distribution, and a list, with extended notes on variations in size, larvae, morphology, habitats and localities, of five species of sea lilies (feather stars; stalked crinoids) from Greenland Sea north of Norway and from Svalbard waters.

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6178. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinodermen von dem Norwegischen Fischereidampfer "Michael Sars" in den Jahren 1900-1903 gesammelt. III. Asteroidea. Bergen, J. Grieg, 1907. 87 p. illus., 2 plates, tables. (Bergen, Norway. Museum. Aarbok 1907. Nr. 13) *Title tr.:* Echinoderms collected by the Norwegian fisheries steamer *Michael Sars*, in the years 1900-1903. 3. Asteroidea.

Contains a list, with locations and some extensive notes on morphology and habitats, of twenty-four species of starfish, of which fifteen were found in Greenland Sea, Svalbard, and Norwegian arctic waters.

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6179. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinoderm fra bankerne ved Bjørnøya. Bergen, J. Grieg, 1932. 10 p. (Bergen, Norway. Museum. Aarbok, 1931. Nr. 3) *Title tr.:* Echinoderms from Bear Island banks.

Contains a list of stations with depths and species and remarks concerning morphology and distribution of six species.

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6180. GRIEG, JAMES ALEXANDER-SØN, 1861-1936. Echinoderm, samlede sommeren 1905 af "Belgica" i Nordhavet. (Nytt magasin for naturvidenskapene, 1907. Bd. 45, hefte 2, p. 131-37) *Title tr.:* Echinoderms collected in the Northern Ocean on the *Belgica* in the summer of 1905.

Contains a list of twenty-three echinoderms collected by E. Koefoed, in 1905, during the cruise of the *Bel-*

gica off the East Greenland coast and in Svalbard waters.

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6181. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Echinodermes. Bruxelles, 1910. vi, 42 p. plate, 3 maps. (Orléans, L. P. R., *Duc d'*. Campagne arctique de 1907. No. 3) *Title, etc. tr.*: Echinodermes. (Duke of Orléans Arctic Expedition, 1907)

Contains list, with localities and notes, of twenty-five species of sea urchins, stars, cucumbers, etc., collected from the *Belgica* in Barents and Kara Seas; with discussion of geographic distribution and a tabular presentation of arctic distribution; bibliography (23 items). *Copy seen:* DSI-M.

6182. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Evertebrater fra banke ved Spitsbergen indsamlet av m.k. "Blaafeld" og m.k. "Tovik" somrene 1923 og 1924. (Fiskenaering og bundfauna). Bergen, J. Grieg, 1925. 33 p. incl. tables. (Bergen, Norway. Museum. Aarbok, 1923-1924. Naturvidenskabelig række, nr. 9) *Title tr.*: Invertebrates from Spitsbergen banks, collected by the *Blaafeld* and *Tovik*, in the summers of 1923 and 1924. (Fish food and bottom fauna).

Contains notes on the stomach contents in twelve species of fish, and a list with localities, of over one hundred fifty invertebrates from the bottom of Ice Fiord complex and the seas south and east of West Spitsbergen.

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6183. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Evertebrater fra banke ved Spitsbergen indsamlet av "Tovik" og "Armauer Hansen" somrene 1925 og 1926. (Fiskenaering og bundfauna). Bergen, J. Grieg, 1927. 28 p. illus. (Bergen, Norway. Museum. Aarbok, 1926. Naturvidenskabelig række, nr. 5) *Title tr.*: Invertebrates from Spitsbergen banks collected by the *Tovik* and *Armauer Hansen* in the summers of 1925 and 1926. (Fish food and bottom fauna).

Contains notes on stomach contents of eight species of fishes, and a list, with locations, of more than one hundred fifty species of invertebrates from the bottom of Green Harbor, Bell Sound, and Advent Bay, and the seas west and south of West Spitsbergen.

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6184. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Invertébrés du fond. (In: Orléans, L.P.R., *Duc d'*. Croisière océanographique accomplie à bord de la *Belgica* dans la Mer du Grönland 1905, pub. 1907. p. 501-570, illus., plate, table *Title tr.*: Bottom invertebrates. (Oceanographic cruise on board the *Belgica* in Greenland Sea 1905).

Contains classified lists of one hundred fifty-six species from Svalbard waters and one hundred forty-two species from East Greenland waters, with notes and a description of a new gastropod species; and remarks on the stomach contents of a walrus, seal, and two fishes. *Copy seen:* DSI-M.

6185. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Malacologiske notiser. III. Mollusker fra Grønlands nordøstkyst. (Nytt magasin for naturvidenskapene, 1916. Bd. 54, p. 7-10) *Title tr.*: Malacological notes. III. Molluscs from the northeastern coast of Greenland.

Contains notes on twenty-two species of marine molluscs collected by E. Koefoed, the zoologist of *Belgica* polar expedition, on the northeastern coast of Greenland (75°58'30"N. 14°08'W.) in the summer of 1905.

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6186. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Molluscs, brachiopods and echinoderms from Novaya Zemlya. Kristiania, Pub. by Videnskapselskapet i Kristiania, 1924. 28 p. illus., table, map. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 26)

Annotated list giving locations, types of bottom and some descriptive notes of forty-nine molluscs, one brachiopod, and ten echinoderms (all marine) from Matochkin Shar and localities along the west coast; table of localities; and a bibliography (59 items). *Copy seen:* DLC.

6187. GRIEG, JAMES ALEXANDER-SON, 1861-1936. *Ophiura griegi*, Strand, en varietet af *Ophiura sarsi*, Lütken. (Nytt magasin for naturvidenskapene, 1911. Bd. 49, hefte 1, p. 49-51) *Title tr.*: *Ophiura griegi*, Strand, a variety of *Ophiura sarsi*, Lütken.

Contains critical notes on *Ophiura griegi*, an echinoderm brought home by the Second *Fram* Expedition from

Lands End, Belcher Channel, Canadian arctic waters, and its reduction to the status of a variety of *O. sarsi*; distribution of these species is discussed.

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6188. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Die Ophiuriden der Arktis. (*In*: Fauna arctica, 1900. Bd. 1, p. 259-86, illus.) *Title tr.*: Arctic Ophiuridae.

Based on the collections of the German Expedition to the Arctic Ocean, 1898; a list, with synonyms, references, and full notes, of the thirteen species of brittle stars; a station list showing species taken at each, position, and depths; a discussion of their arctic distribution, a comparison of arctic and subarctic ophiurids, and a bibliography (151 items).

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6189. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Ophiuroidea. Christiania, Grøndahl & Søn, 1893. 2 p. l., 41 p. 3 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 5, Zoology, hefte 4)

A list, with descriptions, locations and discussion of distribution, of twenty-four species of brittle and basket stars from the Norwegian and Greenland Seas.

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6190. GRIEG, JAMES ALEXANDER-SON, 1861-1936. *Solaster affinis* (Brandt) Danielssen & Koren. (Nytt magasin for naturvidenskapene, 1902. Bd. 40, hefte 3-4, p. 369-78)

Contains a taxonomic and biological study of starfish, *Solaster affinis*, based mostly on specimens brought home by a Norwegian expedition on the *Michael Sars*, in 1900-1901, from Jan Mayen, Greenland and Spitsbergen waters, with measurements of specimens from cold and warmer areas, observations and notes.

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6191. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Some echinoderms from Franz Josef Land, Victoriaøya and Hopen collected on the Norwegian Scientific Expedition 1930. Oslo, J. Dybwad, 1935. 10 p. (Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 26)

List, with descriptions and localities, of nine species gathered during the expedition and a tabulation of thirty-five echinoderms known from Franz Josef Land.

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6192. GRIEG, JAMES ALEXANDER-SON, 1861-1936. Svalbards brachiopoder. (Nytt magasin for naturvidenskapene, 1933. Bd. 73, p. 67-74) *Title tr.*: Brachiopods of Svalbard.

Summary based on collections made by several collectors 1901-1931. States localities, depths and type of bottom where found, for six species, taken in Barents, White, and Greenland Seas and in Svalbard waters; with a bibliography (22 items).

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GRIEG, JAMES ALEXANDERSON, 1861-1936, *see also* Arndt, W., & J. A. Grieg. Brachiopoden (Fauna arctica). 1933.

GRIEG, JAMES ALEXANDERSON, 1861-1936, *see also* Friele, H., & J. A. Grieg. Mollusca III. (Norske Nordhavs-exped.) 1901.

6193. GRIER, MARY CATHARINE, 1907- . *Compiler*. Oceanography of the North Pacific Ocean, Bering Sea and Bering Strait: a contribution toward a bibliography. Seattle, 1941. xxii p., 1 l., 290 p. (Washington (State). University. Publications; library series. v. 2)

Classified list of over twenty-nine hundred publications on the physical oceanography and marine biology of an oceanic area which includes the Sea of Okhotsk, Gulf of Alaska, Bering Sea and Strait, and Aleutian waters; with an index to authors, generic and geographic names, and titles of books.

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GRIER, MARY CATHARINE, 1907- , *see also* U. S. Hydrographic Office. Bibliography ice N. Hemisphere. 1945.

GRIER, MARY CATHARINE, 1907- , *see also* U. S. Hydrographic Office. References physical oceanography. 1946.

6194. GRIERSON, JOHN, 1909- . High failure; solo along the Arctic Air Route. London [etc.] W. Hodge & Co., Ltd., 1936. xii, 305 p. 30 plates, incl. ports., map, facsim., map on lining-paper.

The author attempted in 1933 to fly in a single-motored seaplane from The Faeroes via Iceland and Greenland to America. In 1934 he succeeded. This is the detailed account of his efforts.

Copy seen: DLC; NNSf.

6195. GRIESEMER, PATTY MEAD. Hall Young—walking history of Alaska. (Alaska life, Aug. 1946. v. 9, no. 8, p. 12-13)

Brief sketch of S. H. Young's missionary career beginning 1878.

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GRIEVE, JAMES, *see* Krashenninnikov, S. P. History of Kamtschatka. 1764.

GRIEVE, JAMES, *see* Krashenninnikov, S. P. Opisanie zemli Kamtschatki so-tschinnennoje (etc.) 1766.

6196. GRIFFIN, HAROLD. Alaska and the Canadian Northwest, our new frontier. New York, W. W. Norton & Co., Inc. [1944] 221 p. 8 plates, double-face map.

Journalist's account of the western arctic and subarctic regions of North America. Includes chapters on the Camel Project, Alaska Highway, Whitehorse, and Fairbanks; also brief notes on Nome, the mineral and agricultural resources and postwar opportunities in Alaska. Copy seen: DLC; NNStef.

6197. GRIFFIN, WATSON, 1860-. Canada: the land of waterways. (American Geographical Society, N. Y. Journal (Bulletin) 1890. v. 22, p. 351-441, illus., 2 plates)

Full (though general) discussion of the economic aspects of Canada's lakes, rivers, and canals, with notes on meteorological conditions, mainly of the area south of 60°N., but with mention of northern rivers and lakes, and of Hudson Bay and Strait.

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6198. GRIFFITHS, BENJAMIN MIL-LARD. *Tetraedroides spetsbergensis* Gen. et sp. nov., a new alga from Spitsbergen. (Results of the Oxford University Expedition to Spitsbergen [1921] no. 28). (New phytologist, May 1923. v. 22, p. 69-71, plate) Issued also as Oxford University, *Spitsbergen papers*, 1925, v. 1, no. 31.

Contains discussion and description of a two-to-four-celled alga found among the stems of a moss in a crevice of rock on Bear Island.

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GRIFFITHS, C. E., *see* Glenn, E. F. Explorations in & about Cooks Inlet. 1900.

6199. GRIGGS, ROBERT FISKE, 1881-. Are the Ten Thousand Smokes real

volcanoes? (Ohio journal of science, Dec. 1918. v. 19, p. 97-116, illus.)

Scientific results of the Katmai Expeditions of the National Geographic Society, no. 2, reprinted by the Society, 1920.

Statement of the data upon which the author based his view of the volcanic nature of the Smokes.

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6200. GRIGGS, ROBERT FISKE, 1881-. The beginnings of revegetation in Katmai Valley. (Ohio journal of science, Apr. 1919. v. 19, p. 318-42, illus.)

Scientific results of the Katmai Expeditions of the National Geographic Society, no. 9, reprinted by the Society, 1920. Discussion of the relation of the plants to the soil and water, as shown by a study of the Katmai River valley.

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6201. GRIGGS, ROBERT FISKE, 1881-. The character of the eruption as indicated by its effect on nearby vegetation. (Ohio journal of science, Jan. 1919. v. 19, p. 173-209, illus.) Scientific results of the Katmai Expeditions of the National Geographic Society, no. 4, reprinted by the Society, 1920.

Discussion of the sulphuric acid rains, ash deposit, blasts from volcano, mud flows, and forest fires as indicated by the vegetation; the plants, how they were affected, and their recovery.

Copy seen: DGS.

6202. GRIGGS, ROBERT FISKE, 1881-. The edge of the forest in Alaska and the reasons for its position. (Ecology, Apr. 1934. v. 15, p. 80-96, illus.)

Results of a study of the timberline area in the region of Mt. Katmai, visited by the author over a period of fifteen years, 1915-30. Discussion of location and condition of trees of the forest front in southwestern Alaska (Kodiak and Alaska Peninsula), in western and northern Alaska; the duration and nature of forest advance, with testimony of pollen from Kodiak peat bogs; bibliography (23 items).

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6203. GRIGGS, ROBERT FISKE, 1881-. The effect of the eruption of Katmai on land vegetation. (American Geographical Society, N. Y. Bulletin, Mar. 1915. v. 47, p. 193-203, illus., sketch map)

Based on the author's observations, while attached to the U. S. Dept. of

Agriculture, Bureau of Soils' party for kelp investigation, summer 1913, in the region devastated in 1912 by the eruption of Mt. Katmai. Contains a description (in brief) of the character of the deposit (ash and "sand") and its subsequent erosion; and sections on the character of the former vegetation around Kodiak, the destruction of vegetation there, on alders killed by the fumes, and on prospects of re-vegetation, based on chemical qualities of the deposit and the possibility of working it into the soil.

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- 6204. GRIGGS, ROBERT FISKE, 1881-**
The great hot mud flow of the Valley of Ten Thousand Smokes. (Ohio journal of science, Dec. 1918. v. 19, p. 117-42, illus. (incl. map, diagr.)) Scientific results of the Katmai Expeditions of the National Geographic Society, no. 3, reprinted Feb. 1920, by the Society.

Discussion of the observations leading the author to the conclusion that the flow was of mud which came up through the valley floor, prior to the Katmai eruption. *Copy seen:* DGS.

- 6205. GRIGGS, ROBERT FISKE, 1881-**
The problem of arctic vegetation. (Washington Academy of Sciences. Journal, Apr. 1934. v. 24, 153-75)

A plant ecologist's discussion of the instability in arctic vegetation, different from the relatively stable plant formations elsewhere. Includes remarks on tundra, arctic boundaries, importance of timber line, climatic changes and active plant migrations, the ecological character of the Arctic, causes of the indiscriminate character of the vegetation, homologies of arctic heath and bog, and weeds native to the Arctic; with a bibliography (27 items).

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- 6206. GRIGGS, ROBERT FISKE, 1881-**
The recovery of vegetation at Kodiak. (Ohio journal of science, Nov. 1918. v. 19, p. 1-57, illus.) Scientific results of the Katmai Expeditions of the National Geographic Society, no. 1, reprinted by the Society, Feb. 1920.

Based on the author's studies, 1913-17, showing the rapid recovery of plants on Kodiak. *Copy seen:* DGS.

- 6207. GRIGGS, ROBERT FISKE, 1881-**
The timberlines of northern America and their interpretation. (Ecology, Oct. 1946. v. 27, p. 275-89, illus.)

This discussion of causes and meaning of the changes in forest fronts, relates particularly to studies made on Kodiak Island, Alaska and Mt. Washington, New Hampshire.

Copy seen: DA.

- 6208. GRIGGS, ROBERT FISKE, 1881-**
The Valley of Ten Thousand Smokes. Washington, The National Geographic Society, 1922. xv, [1] p. (incl. 79 p. of illus.) 17 plates (1 fold.) 9 maps (3 fold.) diagrs.

The author led four of the Katmai Expeditions of the National Geographic Society, 1915-1919. He gives here a full account of the Katmai eruption as experienced at Kodiak and other localities; its effect on the climate and vegetation; a chapter on the volcanoes of Alaska; narratives of the expeditions of 1915, '16, '17, and '19, with full descriptions of devastation of Katmai Valley, the Katmai flood, the canyons and valleys, craters and mountains, surface features of the Valley of Ten Thousand Smokes, and the conditions during and after the eruption, as evidenced there. Closes with a description of the vegetation, game, and geography of the surrounding country and with suggestions for harbors and roads to make the area accessible as a national park. *Copy seen:* DLC.

- 6209. GRIGGS, ROBERT FISKE, 1881-**
The Valley of Ten Thousand Smokes; an account of the discovery and exploration of the most wonderful volcanic region in the world. (National geographic magazine, Feb. 1918. v. 33, p. 115-69, illus.)

Report of the leader of the Katmai Expedition of the National Geographic Society, 1917, giving an account of the fourth expedition's journey up the Katmai River and Pass, and description of the Valley and its wonders.

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- 6210. GRIGGS, ROBERT FISKE, 1881-**
The Valley of Ten Thousand Smokes; National Geographic Society explorations in the Katmai district of Alaska. (National geographic magazine, Jan. 1917. v. 31, p. 13-68, illus.)

Report of the leader of the Katmai Expeditions of the National Geographic Society, 1915-16, giving descriptions of Kodiak Island's revived vegetation, of the two expeditions up the Katmai River and the ascent of Mt. Katmai,

with notes on the physical characteristics of the country since the eruption; also an account of the trip to Katmai Pass and the brief observations in the Valley. *Copy seen:* DLC.

6211. GRIGGS, ROBERT FISKE, 1881-. The vegetation of the Katmai District. (Ecology, July 1936. v. 17, p. 380-417, illus.)

Results of study during the National Geographic Society Katmai Expeditions, 1915-30. Remarks on arctic vegetation and ecological distinctions in general, and full description of the ecology of the Katmai district (Kodiak Island and Alaska Peninsula). The author concludes that the typical grassland is not arctic vegetation, and that the rest of the vegetation (mixed meadow and dwarf shrub heath) is typically arctic. Bibliography (33 items). *Copy seen:* DA.

6212. GRIGOR'EV, A. Danniyâ o temperaturê i plotnosti vody morei Murmanskogo i Bîelago. (Vsesoûznoe geograficheskoe obshchestvo. Izvêstiya, 1878. T. 14, p. 337-60, tables) *Title tr.:* Data concerning temperature and density of water of the Murmansk [i.e. Barents] and the White Seas.

Results of the author's trip (summer 1876) on the government-owned schooner *Samoad*, then servicing the lighthouses of the northern White Sea, with data also from previous comparable observations. Contains Grigor'ev's observations of temperature in the Barents Sea at four points (p. 343), and tables giving fifty-nine observations by the author and eighteen by others (mainly surface, but some at various depths) in the Barents Sea and in the central basin and along the eastern coast of the White Sea, showing coordinates, depths, temperature, specific gravity at given temperature and at 17°C., salinity, wind and current direction, weather, and time (p. 350-57). Includes some discussion of the data and bibliographical footnotes (18 items). *Copy seen:* DLC.

6213. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883-. Diatomity Lovozera i Chud'z-yavra. (In: Khibinskie apatity, 1932. T. 2, p. 375-77, table) *Title tr.:* Diatomite of Lakes Lovozero and Chud'z-yavr.

On the discovery of diatomaceous earth by the geographic and geological

survey parties of the Kola Expedition in 1930. Analysis of samples.

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6214. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883-. Geologiya i rel'ef Bol'shezemel'skoï tundry. Moskva, 1924. 63, [1] p. illus., 2 maps, diagr. (profile). (Leningrad. Nauchno-issledovatel'skii institut po izucheniyu Severa. Trudy. Vyp. 22) *Title tr.:* Geology and relief of the Bolshesemel'ski tundra and problems connected therewith.

Descriptions of land forms and tectonics of Bol'shezemel'skaya Tundra; Pleistocene deposits of the Bol'shezemel'skaya and Malozemel'skaya Tundras; geology, land forms and Pleistocene deposits of the Shapkina River region (eastern tributary of the lower Pechora) with reference to possible coal deposits; based on the author's field work with the Northern Scientific and Economic Expedition, 1921. Bibliography, p. 56-57. Summary in English. *Copy seen:* DLC.

6215. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883-. Geologiya, rel'ef i pochvy sev.-zap. chasti Lensko-Aldanskogo plato i Verkhoiânskogo khrebtâ po dannym èkspedit'sii 1925 g. Leningrad, 1926. 2 p. l., iii, 211 p. illus., fold. maps, diagrs. (Akademiâ nauk SSSR. Komissiya po izucheniyu Yakut-skoï Avtonomnoi Sovetskoi Soûsialisticheskoi Respubliki. Materialy, 1926. Vyp. 4) *Title tr.:* Geology, relief and soils of the northwestern part of the Lena-Alden plateau and of the Verkhoyansk Range, according to data of the 1925 expedition.

Based on observations during the Academy of Sciences' Yakut Expedition, 1925; description of the surface features and geology, discussion of the historical geology and detailed description of soil types of the region. Summary in English.

Maps (scale 1:600,000) of the region 62°-64°50'N. 129°30'-133°30'E. show (1) routes, and (2) geomorphologic features.

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6216. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883-. Geomorfologicheskii ocherk Yakutii. (In: Yakutiâ, 1927, p. 39-89, illus., ports., fold. map) *Title tr.:* A geomorphological sketch of Yakutia.

A general geomorphological description with a bibliography at end.

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6217. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Morfologiya severovostochnoi chasti Vilyuiskogo okruga. Leningrad, 1930. 3 p. l., 167 p. illus., 12 plates, fold. map, fold. diagrs. (Akademiya nauk SSSR. Komissiya po izucheniyu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1930. Vyp. 31) *Title tr.:* The morphology of the northeastern part of Vilyuyusk District.

Report by the leader of a party of the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1925-26, on the geomorphology and topography of the district 64°-66°N. 119°-122°E. on either side of Vilyuy River (left tributary of the Lena). Includes details on the relief, surface and glacial geology, and physical features. Summary in English.

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6218. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Na vostochnoi okraïne aziatskogo kontinenta. (Priroda, 1925, no. 10-12, col. 49-62, illus., map) *Title tr.:* On the eastern borderland of the Asiatic continent.

A physico-geographic sketch of the Yakut country visited by the Aldan River subdivision of the Yakut Expedition of the Academy of Sciences, U.S.S.R.

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6219. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Der Nordosten der Halbinsel Kola. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1933. p. 122-45)

Account of the Russian Academy of Sciences Expedition, 1928, under the author's leadership for geographical research in the northeastern part of the Kola Peninsula. Discussion of the orography, relation between tectonics and orography, origin of valleys, the relief and the terraces, the recent sediments, their origin and problems, character of the river valleys and lake basins, the nature of the soil, some plant zones, and the factors which influence the boundary lines, the soil zones, and the growth of timber.

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6220. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . O nekotorykh ispravleniyakh v rabote "Vechnaia mer-

zlota i drevnee oledenenie". (Akademiya nauk SSSR. Komissiya po izucheniyu vechnoi merzloty. Trudy, 1932. T. 1, p. 113-15, fold. map) *Title tr.:* Some corrections to "Permafrost and ancient glaciation".

Contains corrections of figures which appeared in the author's work *Vechnaia merzlota i drevnee oledenenie*, 1930, q.v. These include: coefficients of permafrost, sums of minus temperatures, amount of precipitation, etc. A new map is added.

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6221. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Otchet o poezdke v Bol'shezemel'skuiu tundru lihtom 1904 goda. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1905. T. 36, vyp. 1, p. 131-44, 147-48, text map) *Title tr.:* Report on a journey to Bol'shezemel'skaya Tundra in the summer of 1904.

Contains a general account of an exploring trip in 1904, under direction of A. V. Zhuravskii to Bol'shezemel'skaya Tundra to study the valley of Adz'va (tributary of Usa) River, Pechora basin; with brief data on geography, topography and flora, more detailed notes on fauna and annotated list of forty-two birds, determined by V. L. Bianki. Summary in German.

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6222. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Poliarnaya granitsa drevnesnoi rastitel'nosti v Bol'shezemel'skoi i nekotorykh drugikh tundrach, faktory ee obuslovlivayushchie, i kolebaniya ee v blizhaishuiu k nam epokhu. (Zemlevedenie, 1924. T. 26, vyp. 1-2, p. 72-92, map) *Title tr.:* The northern limit of woody vegetation in the Bol'shezemel'skaya and some other tundras, factors influencing it and its vacillation during the latest epoch.

Contains a study of the northern boundary of woody vegetation in Bol'shezemel'skaya and Timan Tundras and in other arctic regions of European Russia, the factors influencing its direction and fluctuation; based mostly on the author's observations during his trip in 1921, and on literature sources; bibliography (22 items). Summary in German.

Copy seen: DGS; NNA.

6223. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Predvaritel'nyy otchet o rabotakh Vilyuiskogo geo-

morfologicheskogo otriada 1926 g. (Akademiia nauk SSSR. Komissia po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 10, p. 237-53, illus.) *Title tr.*: A preliminary report on the work of the Vilyuy Geomorphological Party, 1926.

An account of the work of this section of the Yakut Expedition of the Academy of Sciences, U.S.S.R.; includes a brief geomorphological description of the region along its route in the Vilyuy River basin.

Copy seen: DLC.

6224. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Puti i nekotorye predvaritel'nye rezultaty izucheniia kol'skikh diatomitov. (Akademiia nauk SSSR. Geomorfologicheskii institut. Trudy, 1934. Vyp. 8, p. 5-15) *Title tr.*: Methods and some preliminary results of study of Kola Peninsula diatomites.

Brief historical sketch of exploration of the region for diatomaceous earth. Discussion of physical, geographical, and chemical characteristics of lakes of Kola Peninsula from the viewpoint whether the conditions are favorable for the development of diatoms there. Need for experimental study of the problem. Summary in French.

Copy seen: NN.

6225. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Smena lesotundrovyykh rastitel'nykh landshaftov v zapadnoi chasti Bol'shezemel'skoi tundry. Iz resul'tatov ekspeditsii v Bol'shezemel'skuu tundra 1921 g. (Akademiia nauk SSSR. Komissia dlia izucheniia estestvennykh proizvoditel'nykh sil Rossii. Materialy, 1924. No. 51. Les, ego izuchenie i ispol'zovanie. Vtoroi lesnoi sbornik Promyshlennogo-geograficheskogo otdela K.E.P.S., p. 134-46, text map) *Title tr.*: Succession of forest-tundra vegetation landscapes in the western part of Bol'shezemel'skaya Tundra in 1921. From the results of an expedition to Bol'shezemel'skaya Tundra in 1921.

Contains a geobotanical study of plant associations in the forest-tundra zone and their succession in the western part of Bol'shezemel'skaya Tundra, made by an expedition to that region in 1921.

Copy seen: NNBG.

6226. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Subarktika; opyt kharakteristiki osnovnykh tipov fiziko-geograficheskoi sredy. Moskva, Izd-vo Akademii nauk SSSR, 1946. 170, [2] p. tables. (errata slip inserted) *Title tr.*: The subarctic; essay on the characteristics of basic types of the physico-geographical medium. Published under auspices of the Institute of Geography, Academy of Sciences, U.S.S.R.

Contains chapters on (1) the limits of the subarctic belt and its subdivisions; (2) the climate of the east European sector of the subarctic (the distribution of air temperature and precipitation is correlated with the seasonal and latitudinal distribution of the radiation balance, or effective radiation); (3) the hydrological and geomorphological processes: permafrost, rivers and lakes, erosion, denudation, tundra; (4) its soil formation; (5) vegetation; (6) animal life; (7) the relation between climate, soil, precipitation, relief, drainage, etc., and the vegetation and animal life; (8) the typical variants of the physico-geographical process of the subarctic plains; (9) the character of vertical zonality of the mountain regions of the subarctic; (10) the history of the development of the physico-geographical medium of the subarctic; (11) the principal conclusions, and a bibliography of cited works (about 165 items).

Permafrost as a factor in geomorphological processes is treated in detail in chapter 3, data on character and behavior of rivers and lakes under permafrost conditions is given. Throughout the work are references to permafrost and its relation to flora, fauna, and processes of soil formation.

The east European sector of the subarctic is defined as lying between 73.2° and 67.1°N. (72°12' and 67°06'N.). The general chapters are based on the subarctic of the U.S.S.R. only.

Copy seen: DLC.

6227. GRIGOR'EV, ANDREI ALEK-SANDROVICH, 1883- . Vechnaia merzlota i drevnee oledenenie. (Akademiia nauk SSSR. Komissia po izucheniui estestvennykh proizvoditel'nykh sil SSSR. Materialy, 1930. No. 80, p. 43-104, 2 maps) *Title tr.*: Permafrost and ancient glaciation.

Contains data on geological age of permafrost in connection with occurrence of underground ice, formation of which is ascribed to various causes and times. Possibility of multiple origin of permafrost is indicated; also a special formula, "coefficient of permafrost", which correlates various affecting factors for 114 localities (shown on a special map, dividing the permafrost area into ten regions). Probable distribution of permafrost during the ice ages, and its influence on topography, soils and flora at that time is discussed.

Emendations to this work were published in the author's *O nekotorykh ispravleniakh v rabote "Vechnaia merzlota [etc.]"*, q.v.

Copy seen: DGS; NN.

6228. GRIGOR'EV, ANDREI ALEKSANDROVICH, 1883- . Zur Geomorphologie der Bolschesemelskaja Tundra. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1925. p. 117-26) **Title tr.:** On the geomorphology of the Bol'shezemel'skaya Tundra.

Description of relief and surface features and their ice age and postglacial formation, with notes on raised shore lines, permafrost, and erosion.

Copy seen: DLC.

GRIGOR'EV, ANDREI ALEKSANDROVICH, 1883- , see also Krasheninikov, S. P. *Opisanie zemli Kamchatki*. 1949.

GRIGOR'EV, ANDREI ALEKSANDROVICH, 1883- , see also Tolmachev, A. I. *Spisok rastenii sobrannykh Rudnevym*. 1927.

6229. GRIGOR'EV, SERGEI GRIGOR'EVICH, 1874- . Geograficheskie raboty na zapadnom poberezh'i oz. Imandra. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1924. T. 56, vyp. 1, p. 55-100) **Title tr.:** Geographical work along the western shore of Lake Imandra.

Account of the author's three-man expedition in summer 1921, in the Lake Imandra region 67°45'N. 33°05'E., Kola Peninsula. Descriptions of the lake, the land forms west of the lake, with note of trees and plants observed, also birds, fish and animal life.

Copy seen: DLC.

6230. GRIGOR'EV, SERGEI GRIGOR'EVICH, 1874- . Poluostrov Kanin. Tom 1. Moskva, 1929. 472 p. illus.,

2 maps (Moskva. 1. Gosud. Universitet. Fiziko-matematicheskii fakul'tet. Geograficheskii nauchno-issledovatel'skii institut. Trudy) **Title tr.:** Kanin Peninsula. v. 1.

Contains an extensive study of the history of exploration of Kanin Peninsula, p. 18-143; an account of the author's journey to Kanin in 1905, p. 143-79, and in 1913, p. 170-308, including itineraries and data on geography, geology, geomorphology, population, flora and fauna of the explored region; data on expedition of Russian Geographical Society in 1914; a review of the recent works on Kanin, and a bibliography (78 items); a list of three hundred eighty-nine flowering plants and vascular cryptogams and twenty-two lower cryptogams, collected by the author (1905, 1913 and 1914), by A. Detlaf (in 1914), and by R. Pole 1898-99).

Copy seen: MH.

6231. GRIGOROV, I. Na "Malygina" po Severnomu morskomu puti. (Sovetskaiia Arktika, 1938, no. 9, p. 62-71, illus.) **Title tr.:** Over the Northern Sea Route on the *Malygin*.

Excerpts from the author's diary, kept aboard the ice-breaker *Malygin*, an expeditionary ship, during a trip from Archangel to Vladivostok, July-Oct. 1937.

Copy seen: DLC.

6232. GRIMM, OSKAR ANDREEVICH. Novye sluchai vidoizmenenii parazitizma n'ekotorykh glistov. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1870. T. 1, vyp. 2, p. 223-26) **Title tr.:** New cases of parasitism by some tapeworms.

Contains a list of tapeworms found in the alimentary canal of seals, fishes and birds, including some native to the White Sea and coastal waters.

Copy seen: MH-Z.

6233. GRIMPE, G. Die Cephalopoden des arktischen Gebietes. (*In:* Fauna arctica, 1933. Bd. 6, p. 489-514, illus.) **Title tr.:** Cephalopoda of the arctic region.

Contains remarks on the scarcity of these molluscs in arctic seas; a list, with distribution, of thirty-nine species of octopus, squid, etc. from circumpolar seas; and a bibliography (97 items).

Copy seen: DA.

6234. GRINER, D. A. Iz istorii Murmana i Murmanskoï (Kirovskoi) zhe-

ležnoī dorogi. (Letopis' Severa, 1949, n. 1, p. 175-88, table) *Title tr.*: History of the Murman coast and the Murman (Kirovsk) Railroad.

Brief historical sketch of the Murman region in the Tsarist period; its frequent invasion by foreigners; miserable condition of the population; the government's inability to improve conditions and utilize the resources of the region. First plans for a railroad to the Murman coast at the end of the 19th century; emergency construction in 1915-16 of a railroad connecting Petrozavodsk and Murmansk, to establish communication by sea with the Allies in World War I. Extraordinary difficulties encountered in construction, and prospect for further development of the region. Bibliography (15 items).

Copy seen: DLC.

6235. GRINEVETSKII, L. F. Quer durch Nowaja Semlja. (Gesellschaft für Erdkunde zu Leipzig. Mittheilungen, 1883, pub. 1884. p. 131-48) Translation of his: Poperek Novoī Zemli, 1883, q.v. *Title tr.*: Across Novaya Zemlya.

Copy seen: DLC.

6236. GRINEVETSKII, L. F. Poperek Novoī Zemli. (Vsesoiuznoe geograficheskoe obshchestvo. Izvīstīa, 1883. T. 19, p. 265-91) *Title tr.*: Across Novaya Zemlya.

Narrative of three attempts to cross the southern island from Malye Karmakuly:

1. Tiāgin's, who stopped for want of food some twenty miles from the Kara coast, in 1878-79 (from an unpublished manuscript) p. 266-73.

2. The author's and Krivosheīa's, while the former was doctor of the Malye Karmakuly Polar Station, set up for the First International Polar Year; because of snow and the rugged terrain, they turned back after five days (1882).

3. The author's successful crossing, in the summer of 1883, with conclusions concerning the land forms of the region, based on his experience and that of others.

Translation in German was published as his, *Quer durch Nowaja Semlja*, 1884, q.v.

Copy seen: DLC.

GRINGHUIS, RICHARD, *see* Tompkins, S. R. Let's read about Alaska. 1949.

GRINNELL, ELIZABETH, 1851- , *see* Grinnell, J. Gold hunting in Alaska. 1901.

6237. GRINNELL, GEORGE BIRD. The natives of the Alaska coast region. (*In*: Burroughs, J., and others. Narrative, glaciers, natives. Harriman Alaska series, 1902. v. 1, p. 137-83, illus., 8 plates)

Descriptions (in some detail) of the customs, dwellings, artifacts, totems, boats, implements, etc., of the Tlingit Indians, and remarks on the Aleuts, the Eskimos of Plover Bay, Chukotsk Peninsula, and of Port Clarence, Alaska.

Copy seen: DLC.

6238. GRINNELL, GEORGE BIRD. The salmon industry. (*In*: Dall, W. K. History, geography, resources. Harriman Alaska series, 1902. v. 2, p. 337-55, illus., 3 plates)

Description of the salmon runs, the cannery techniques (as then practiced) and remarks on the lack of conservation, and on the economic value of the industry.

Copy seen: DLC.

6239. GRINNELL, JOSEPH, 1877-1939, and others. Birds and mammals of the 1907 Alexander Expedition to southeastern Alaska. (California. University. Publications in zoology, 1909. v. 5, no. 2, p. 171-264, illus., plate, map)

The expedition, organized, outfitted, and led by Miss Annie M. Alexander, explored and collected on Admiralty, Baranof and Chichagof Islands, and at Glacier Bay, June-Aug. 1907.

Contents: Grinnell, J. Introduction.

Stephens, F., and J. Dixon. Description of localities.

Grinnell, J. The birds. (Notes on ninety-nine species, with descriptions of six new birds).

Heller, E. The mammals. (Notes on twenty-two species, with descriptions of four new forms).

Copy seen: DLC.

6240. GRINNELL, JOSEPH, 1877-1939. Birds of the Kotzebue Sound region. Santa Clara, 1900. 3 p. l., 80 p. fold. sketch map. (Cooper Ornithological Club. Pacific Coast avifauna. No. 1)

Results of observations and collections made during June 1898-July 1899, in the region between Cape Prince of Wales and Point Hope on the west Alaskan coast and eastward to the headwaters of the Noatak, Ko-

buk, Selawik, and Buckland Rivers. Field notes on one hundred thirteen species, a checklist of one hundred fifty birds known to occur in the region, and an annotated bibliography (18 items, p. 66-69). *Copy seen:* DSI-M.

6241. GRINNELL, JOSEPH, 1877-1939. Birds of the 1908 Alexander Alaska Expedition, with a note on the avifaunal relationships of the Prince William Sound district. (California. University. Publications in zoology, 1910. v. 5, p. 361-428, illus., 2 plates)

Results of the third expedition organized, financed and led by Miss Annie M. Alexander in June-Sept., 1908; a checklist of eighty-nine species of birds, discussion of the distribution, life histories and variation of each, descriptions of six new subspecies, and discussion of the composition and origin of the avifauna and of the melanism in endemic species. *Copy seen:* DLC.

6242. GRINNELL, JOSEPH, 1877-1939. A collection of birds from Forty-mile, Yukon Territory, Canada. (Condor, Nov. 1909. v. 11, p. 202-207)

Annotated list of fifty-nine species of birds collected within a five-mile radius of the place where Forty-mile River empties into the Yukon River, and part of the collection of the Museum of Vertebrate Zoology, University of California. *Copy seen:* DSI-M.

6243. GRINNELL, JOSEPH, 1877-1939. Gold hunting in Alaska as told by Joseph Grinnell. Ed. by Elizabeth Grinnell. Elgin, Ill., Chicago, David C. Cook Publishing Co. [c1901] 96 p. illus.

The author's diary, June 1898-Sept. 1899, written while prospecting in the Kotzebue Sound and Nome regions. Includes notes on climate, traveling conditions, the natives and life among the prospectors.

Copy seen: DLC; NNS Stef.

6244. GRINNELL, JOSEPH, 1877-1939. Miscellaneous records from Alaska. (Condor, Jan. 1910. v. 12, p. 41-43)

List with note of locations, dates, and collector, of thirty-five species of birds from widely separated places in Alaska, based on specimens in the collection of the Museum of Vertebrate Zoology, University of California.

Copy seen: DSI-M.

6245. GRINNELL, JOSEPH, 1877-1939. Notes on some birds of Cape Nome,

Alaska. (Condor, Sept. 1900. v. 2, p. 12-15)

General notes on thirty-two species, based on observations made incidentally during a prospecting trip, July-Oct. 1899. *Copy seen:* DSI-M.

6246. GRINNELL, JOSEPH, 1877-1939. Record of Alaskan birds in the collection of the Leland Stanford Junior University. (Condor, Jan. 1901. v. 3, p. 19-23)

Lists of species recorded from the Pribilof Islands, Amanak (Dutch Harbor), Unga (in Shumagin Islands) and Kodiak Islands; the south side of Alaska Peninsula (Belkofski Bay) and Prince William Sound region.

Copy seen: DSI-M.

6247. GRINNELL, JOSEPH, 1877-1939. Summer birds of Sitka, Alaska. (Auk, Apr. 1898. v. 15, p. 122-30)

Field notes on sixty-six species, based on the author's observations and collections, made during June-Aug. 1896. *Copy seen:* DSI-M.

6248. GRINNELL, JOSEPH, 1877-1939. The willow ptarmigan. (Bird-lore, Nov.-Dec. 1912. v. 14, p. 376-79, col. plate) The National Association of Audubon Societies' Educational leaflet no. 61.

Description of physical characteristics, habits and behavior of this race of grouse, occurring on the tundra, from Labrador to western Alaska.

Copy seen: DSI-M.

6249. GRINNELL, LAWRENCE I. Notes on breeding Lapland longspurs at Churchill, Manitoba. (Auk, Oct. 1944. v. 61, p. 554-60, 3 plates)

Observations of pre-nesting activities, voice, nests, behavior, incubation and brooding, eggs, development and daily growth of nestlings, made June 2 to July 23, 1940.

Copy seen: DSI-M.

6250. GRINNELL, LAWRENCE I. and R. S. PALMER. Notes on bird-life of Churchill, Manitoba. (Canadian field naturalist, Apr. 1941. v. 55, p. 47-54, illus.)

List, with nesting notes, of eighty-one birds observed from June 2 to July 23, 1940, also a few earlier records.

Copy seen: DLC.

6251. GRIPP, KARL, 1891- Beiträge zur Geologie von Spitzbergen. (Naturwissenschaftliche Verein in Hamburg.

Abhandlungen, 1927. Bd. 21, Heft 3/4, p. 1-38, 7 plates) **Title tr.:** Contribution on the geology of Spitsbergen.

Results of the author's observations in 1925.

Contents tr.: Ground frost and ground thaw (solifluction phenomena). The marine Tertiary of Coles Bay (occurrence, fossils, age, and volcanic ash). List of fossils from the Mytilus-layer (including twenty-seven species from Coles Bay, Green Bay glacier moraine, and twenty-two recent mollusc species from Green Harbor). Bibliography.

Copy seen: DGS.

6252. GRIPP, KARL, 1891-. Einige besondere Fossilien in Geschieben aus dem Inlandeis Grönlands. København, C. A. Reitzel, 1932. 11, [1] p. 1 illus., 3 plates. (Meddelelser om Grønland. Bd. 91, nr. 5) **Title tr.:** Some peculiar fossils in detritus from the Greenland inland ice.

Contains descriptions of four forms of fossil echinoderms and annelid worms found during the author's and Sigurd Hansen's moraine investigations in the Godthaab District, 1930.

Copy seen: DLC; DSI-M.

6253. GRIPP, KARL, 1891-. Entstehung der diluvialen Grundmoränenlandschaften und die Frage nach deren rezenten Äquivalenten in der Arktis. Berlin, Borntraeger, 1942. p. 1, 12 p. 6 plates. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 4) **Title tr.:** Formation of Pleistocene ground moraine landscapes and the question of their recent equivalents in the Arctic.

Discusses the formation of different types of land forms associated with Pleistocene ground moraines of northern Europe. Moraines deposited at the edge of glaciers of West Spitsbergen and the west Greenland inland ice are considered in the light of the possible similarity of present-day arctic moraines to Pleistocene moraines of northern Europe.

Copy seen: CaMAI; DN-HO.

6254. GRIPP, KARL, 1891-. Glaciologische und geologische Ergebnisse der Hamburgischen Spitzbergen-Expedition 1927. (Naturwissenschaftliche Verein in Hamburg. Abhandlungen, 1929. Bd. 22, p. 145-249, illus., 32 plates)

Contains an account of the expedi-

tion's activities, trips from Green Harbor to the interior of Ice Fiord, north to Möller Bay, south around South Cape and up the west side of Stor Fiord to Barents Island returning by way of Edge Island, to Green Harbor. Descriptions of solifluction phenomena, of twenty-one glaciers, and discussion of glacier movements, moraines, drainage, winds, etc. Remarks on the Tertiary fossils found at the east end of Penck Glacier, geologic observations on the northern shores of Stor Fiord (north of Agardh Bay). Bibliography.

Copy seen: DGS.

6255. GRIPP, KARL, 1891-. Süd-Grönland und seine Bewohner. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1931. p. 346-56, 2 plates) **Title tr.:** South Greenland and its inhabitants.

Based on observations in Godthaab District in the summer of 1930, remarks on the mixture of races, the living conditions, education, health, religion, food, social organization, etc., of the inhabitants. **Copy seen:** DLC.

6256. GRIPP, KARL, 1891-. Über Frost und Strukturboden auf Spitzbergen. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1926. p. 351-54) **Title tr.:** On frost and soil structures on Spitsbergen.

Discussion (in brief) of the solifluction phenomena in the Green Harbor region, with remarks on soil without vegetation and tundra soil, and on the causes of the structures.

Copy seen: DLC.

6257. GRIPP, KARL, 1891-. Die verschiedenen Arten von Endmoränen von dem Grönländischen Inlandeise (Vorträge). (Deutsche geologische Gesellschaft. Zeitschrift, Nov. 1932. Bd. 84, p. 654-56) **Title tr.:** The various types of end moraines at the edge of the inland ice of Greenland (preliminary report).

Results of the author's and Sigurd Hansen's moraine investigations in Godthaab District, 1930. Outline of the materials which make up the moraines; their sources, and the kinds of moraines formed by them.

Copy seen: DGS.

6258. GRIPP, KARL, 1891-. Von den Gletschern Spitzbergens. (Natur und Volk, Dez. 1929. Bd. 59, p. 613-17, incl.

2 p. of illus.) *Title tr.*: On Spitsbergen glaciers.

Brief discussion of terminal moraines observed and photographed by the author. *Copy seen*: DLC.

6259. GRIPP, KARL, 1891- , and EMMY TODTMANN. Die Endmoräne des Green Bay Gletschers auf Spitzbergen; eine Studie zum Verständnis norddeutscher Diluvialgebilde. (Geographische Gesellschaft in Hamburg. Mitteilungen, 1926. Bd. 37, p. 43-75, incl. plate) *Title tr.*: The terminal moraine of the Green Bay glacier on Spitsbergen; a study toward an understanding of north German diluvial formations.

Contains descriptions of the glacier in general, and (in detail) of the moraine, based on observations made by the authors in Aug. 1925.

Preliminary report appeared in Deutsche geologische Gesellschaft, Zeitschrift, B. Monatsberichte, 1927. Bd. 79, p. 340-42, 2 plates.

Copy seen: DLC.

6260. GRIPP, KARL, 1891- , and WILHELM GEORG SIMON. Experimente zum Brodelbodenproblem. (Centralblatt für Mineralogie, Geologie, und Paläontologie, 1933. Abt. B, p. 433-40) *Title tr.*: Experiments on the brodel soil problem.

Report on efforts to explain the action of soil, in the thawed layer on top of permafrost, which results in structural soils; with the conclusion that Low's theory of motion of viscous fluids (known as the Low-Gripp convection flow, or brodel theory) is applicable.

Copy seen: DGS.

GRIPP, KARL, 1891- , see also Kolloquium über Arktis, 1930. Vorträge. 1930.

6261. GRÜNER, S. A. K materialam po opredeleniū vozrasta severnykh olenei po zubam. (Sovetskii Sever, 1931, no. 2, p. 129-31, illus.) *Title tr.*: On determining the age of reindeer by the lower incisors.

Criticism of A. F. Mishin's paper: *Opyt opredeleniū vozrasta oleniū*, 1930, q.v.

Copy seen: DLC.

6262. GRÜNER, S. A. Letnii korm severnykh olenei. (Sovetskii Sever, 1931, no. 1, p. 64-70) *Title tr.*: Summer forage of northern reindeer.

Contains a list of seventeen species of willows (*Salix*), the leaves and young twigs of which serve as the principal source of reindeer feed in the summer time. Some other trees, shrubs, algae, eggs of birds, insects, etc., are also mentioned.

Copy seen: DLC; NN.

6263. GRÖDAHL, OLE, and O. NES-SÖ. Ice conditions east of the Seven Islands in the autumn of 1890 according to information received from Captain Grödaahl and Captain Nessö. (In: Nordenskiöld, G. E. A. Report of the Swedish Expedition to Spitsbergen, 1890, pub. 1933. p. 65-67) Translation of *Isförhållandena öster om Sjuöarna hösten 1890*, q.v.

Copy seen: DLC.

6264. GRÖDAHL, OLE, and O. NES-SÖ. Isförhållandena öster om Sjuöarna hösten 1890 enligt meddelanden från fångstkaptenerna Grödaahl och Nessö. (In: Nordenskiöld, G. E. A. Redogörelse för Den svenska expeditionen till Spetsbergen, 1890. Bihang 1. Pub. in: Svenska vetenskapsakademien. Handlingar. Bihang, 1892. Bd. 17, afd. 2, no. 3, p. 71-74) Published in English as: Ice conditions east of the Seven Islands in the autumn of 1890.

Report from two trips of the yacht *Haabet* in Svalbard waters, Aug. 2-17, Aug. 18-Sept. 1, 1890.

Copy seen: DLC.

6265. GRÖNBERG, GÖSTA. Die Hydroid-Medusen des arktischen Gebiets. (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1898. Bd. 11, p. 451-68, plate) *Title tr.*: The Hydromedusae of arctic regions.

Contains a discussion of this coelenterate group in arctic seas; mention of the author's observations during the Andrée Expedition 1896, in northwestern Spitsbergen waters; a classified list of forty-one species with all (then) known records for circumpolar seas; and descriptions of several of the lesser known of these (including two new) species; with a bibliography (20 items).

Copy seen: DSI-M.

6266. GRÖNBLAD, ROLF. Neue und seltene Desmidiaceen. (Botaniska notiser, 1938, häfte 1-3, p. 49-66, illus.) *Title tr.*: New or rare desmids.

Contains critical notes on thirty desmids with Latin description of some

new species and forms, including *Staurastrum aviculoides* and *S. Wandae* var. *brevispinum* n. var. from Kuusamo, Finland. **Copy seen:** MH-A.

6267. GRÖNBLAD, ROLF. Observations on some desmids. Helsingforsiae. 1924. 18 p. 2 plates. (Societas pro fauna et flora fennica. Acta, 1924-1929, pub. 1924. v. 55, no. 3)

Contains Latin diagnosis of desmid gen. *Pleurotaenium*, critical notes on its species and an enumeration of twenty-five less known desmids of Finland, including five new to science, six native to Kuusamo and three from Arkhangelsk region; bibliography (33 items). **Copy seen:** MH-A.

6268. GRÖNBLOM, THORWALD. För Finlands fauna nya Macrolepidoptera. (Societas pro fauna et flora fennica. Meddelanden, 1913-1914, pub. 1914. Häfte 40, p. 10-12) **Title tr.:** Macrolepidoptera new to Finland.

Contains critical notes on four species of butterflies and large moths (Macrolepidoptera), including *Anarta richardsoni* var.? found in Imandra Lappmark, Kola Peninsula, in 1913.

Copy seen: MH-A.

6269. GRÖNBLOM, THORWALD. Tre för Finland nya insekter. (Societas pro fauna et flora fennica. Meddelanden, 1915-1916, pub. 1916. Häfte 42, p. 28-31) **Title tr.:** Three insects new for Finland.

Contains critical notes on a hymenopterous species—*Gorytex fallax*, new for Finland and all northern Europe, found in Kola Peninsula (Tuloma and Imandra Lappmark).

Copy seen: MH.

6270. GRÖNBLOM, THORWALD. Verzeichnis der Gross-Schmetterlinge Finnlands mit Rücksicht auf ihre Verbreitung in den verschiedenen Provinzen. Helsingfors, 1936. iv, 44 p. map. (Societas pro fauna et flora fennica. Acta, 1935-1936, pub. 1936. v. 58, no. 5) **Title tr.:** List of large butterflies of Finland with emphasis on their distribution in various provinces.

Contains a systematic list of eight hundred fifteen species of large butterflies (Macrolepidoptera) of Finland, with tabulated data on distribution in twenty-one natural regions, including Finnish and Russian Lapland.

Copy seen: MH-A.

6271. GRÖNLAND I TOHUNDRED-AARET FOR HANS EGEDES LAND-ING, under redaktion af G. C. Amstrup, Louis Bobé, Ad. S. Jensen, H. P. Steensby. [København, C. A. Reitzel boghandel, B. Lunos bogtrykkeri, 1921] 2 v.: ii 567 p.; 795 p. 1 l. 143 plates (incl. ports.) on 69 l. maps, diagrs. and atlas of 20 (i.e. 22) double-maps. (Meddelelser om Grønland. Bd. 60-61)

Title tr.: Greenland at the second centenary of Hans Egede's landing; edited by G. C. Amstrup, Louis Bobé, Ad. S. Jensen, H. P. Steensby. Also issued in a trade edition as noted in next item. **Contents tr.:** Bd. 1, 1. del. HAMMER, R. General survey.

2. del. OSTERMANN, H. B. S. Description of the districts in North Greenland.

3. del. RASMUSSEN, K. J. V. Description of the Thule District.

Bd. 2, 1. del. BENDIXEN, O. Description of the districts in South Greenland.

2. del. HOLM, G. F. Description of Angmagssalik District.

3. del. OSTERMANN, H. B. S. Biographical information.

Etymological index of names. Index of places. Subject index. Index of personal names.

Supplement: Atlas containing historical maps of the Norse colonies; topographic and geological maps of Greenland (1:10,000,000) and maps of the districts (1:1,000,000) discussed in the text.

Each part of v. 1 and 2 (except indexes) appears in this Bibliography under its author's name.

Copy seen: DLC.

6272. GRÖNLAND I TOHUNDRED-AARET FOR HANS EGEDES LAND-ING; udgivet af Kommissionen for ledelsen af de geologiske og geografiske undersøgelser i Grønland under redaktion af G. C. Amstrup, Louis Bobé, Ad. S. Jensen, H. P. Steensby. København, C. A. Reitzel, 1921. 2 v.: iv, 567 p.; 794 p. 1 l., plates, and atlas of xx (i.e. 22) maps. Trade edition of the item above, issued simultaneously with the Meddelelser om Grønland (bd. 60-61) issue. **Title tr.:** Greenland at the second centenary of Hans Egede's landing; published by the Commission for the Direction of Geological and Geographical Investigations of Greenland;

edited by G. C. Amdrup, Louis Bobé,
Ad. S. Jensen, H. P. Steensby.

Copy seen: DLC.

**6273. GRÖNLANDS GEOLOGISKE
UNDERSØGELSE.** "Grønlands geolo-
giske undersøgelse" sommeren 1946.
(Grønlandsposten, Dec. 31, 1946. Aarg.
5, p. 271-75, illus.) *Title tr.:* Geological
survey of Greenland, summer 1946.

Account of field work carried out in
East and West Greenland, 1946.

Copy seen: DLC.

**GRÖNLANDS GEOLOGISKE UNDER-
SØGELSE,** *see* Lundblad, B. Selaginell-
loid strobilus East Greenland. 1949.

**GRÖNLANDS GEOLOGISKE UNDER-
SØGELSE,** *see also* Pauly, H. Calcite &
skarn minerals West Greenland. 1949.

**GRÖNLANDS GEOLOGISKE UNDER-
SØGELSE,** *see also* Ramberg, H. On
petrogenesis gneiss West Greenland.
1949.

**GRÖNLANDS HISTORISKE MIN-
DESMAERKER,** *see* Brynjúlfsson, G. G.
Jusqu'ou les anciens Scandinaves. 1884.

**GRÖNLANDS HISTORISKE MIN-
DESMAERKER,** *see also* Madsen, E.
Yderligere oplysninger Kristiern Aal-
borg'ske exped. 1568. 1886.

**6274. GRÖNLANDS HISTORISKE
MINDESMAERKER, UDGIVNE AF
DET ONGELIGE NORDISKE OLD-
SKRIFT-SELSKAB.** Kjøbenhavn, Trykt
i det Brünnichske bogtrykkeri [etc.]
1838-45. 3 v. 9 plates (part fold.) 3 maps
(2 fold.) *Title tr.:* Historical monu-
ments of Greenland, published by the
Royal Society of Northern Antiquaries.

A collection of documents relating to
the early history of Greenland, printed
in their original language, with Danish
commentary and historical notes;
edited by Finnur Magnússon and C. C.
Rafn. Titles of the documents trans-
lated into English:

Bd. 1, 1. Introductory investigation
concerning the oldest writings and ac-
counts of the history of Iceland, and
Greenland, and their respective au-
thors.

Bd. 1, 2. About Gunbjörn's skerries.

Bd. 1, 3. About Are Marsön, his voy-
age to America and his settlement
there.

Bd. 1, 4. The priest, Are Thorgil-
sön, called the Learned; his account of

Greenland's discovery and first settle-
ment, by his so-called Schedæ.

Bd. 1, 5. Extracts from Landnama
(saga) about the discovery, settlement
of, and early Landnam-settlers in
Greenland.

Bd. 1, 6. The saga of Erik the Red,
or accounts of Erik the Red and of the
Greenlanders.

Bd. 1, 7. Thorfinn Karlsefne's saga.

Bd. 1, 8. Extracts from Eyrbyggja
(saga) about the Greenlanders' Ice-
landic homesteads, first settlement and
events (there), and the life of the
earliest, new settlers in Greenland.

Bd. 2, 9. Extracts from Floaman-
nasaga, containing the life and work
of Thorgild Thordarsön, called Orra-
beinsfostres.

Bd. 2, 10. Passages concerning the
(first) introduction of Christianity into
Greenland, at the instigation (behest)
of the Norwegian Olaf Tryggvesön.
(A.) Extracts from King Olaf Trygg-
vesön's saga, written by Gunlög Leif-
sön. (B.) From Olaf Tryggvesön's saga
in Snorre Sturlesön's "Heimskringla".
(C.) From the Kristnisaga. (D.) From
Olaf Tryggvesön's saga, written by
Odd Snorresön.

Bd. 2, 11. About Thoraren Nefjulf-
sön's unsuccessful voyage to Green-
land; extracts from the saga of St.
Olaf.

Bd. 2, 12. Extracts from the Fost-
broedra-saga concerning the slaying of
Thorgeir Havarsön and Thormod Kol-
bruneskjald's stay in Greenland.

Bd. 2, 13. Skjálldhelgi, lawmaker of
Greenland, an historical ode.

Bd. 2, 14. Extracts from Gisle Sur-
sön's saga, in particular containing the
biography of Helgi Vestseinsön, one of
Greenland's first settlers.

Bd. 2, 15. Account of Thrond from
the uplands.

Bd. 2, 16. Extracts from the story of
Auden den Vestfjordske (of the West
Fjord).

Bd. 2, 17. Summary of accounts o.
Lig-Lodin.

Bd. 2, 18. Account of Einar Sok-
kesön.

Bd. 2, 19. Extracts from Rafn
Sveinbjörnsön's saga.

Bd. 2, 20. Extracts from the saga
of Bishop Gudmund Aresön called the
Good.

Bd. 2, 21. Extracts from Bishop
Paul's saga.

Bd. 2, 22. Extracts from the saga

of Bishop Thorlak, the Saintly.

Bd. 2, 23. Extracts from King Hakon Hakonsön's saga.

Bd. 2, 24. Extracts from the Sturlunga saga.

Bd. 2, 25. Extracts from the ancient supplement to (the) Landnama (saga).

Bd. 2, 26. Extracts from Bishop Arne Thorlaksön's saga.

Bd. 3, 27. Extracts from the Icelandic annals of the Middle Ages.

Bd. 3, 28. Greenlandic records and records concerning Greenland.

Bd. 3, 29. Geographical accounts from the Middle Ages of Greenland and its surroundings.

Bd. 3, 30. Diverse accounts, partly containing unsubstantiated statements, partly from foreign writings.

Bd. 3, 31. Geographical conditions of Greenland and its neighboring regions, depicted in the imaginative tales of the Middle Ages.

Bd. 3, 32. Bredsdorff, J. H. The Brothers Zeno's travels, with introduction, and remarks.

Bd. 3, 33. Pingel, C. Concerning the more important voyages in modern times, undertaken by Denmark and Norway for the purpose of discovering again the lost Greenland and to investigate the re-discovered part.

Bd. 3, 34. Worsaae, J. J. A. Anti-quarian chorography of Greenland, a brief survey of the previously discovered relics of the old Norsemen there.

Bd. 3, 35. Survey of the old geography of Greenland.

Bd. 3, 36. Supplement to the records concerning Greenland.

Bd. 3, 37. Concerning the voyages of the Greenland bishops.

Bd. 3, 38. List of the bishops of Greenland.

Bd. 3, 39. Chronological survey of the history of Greenland in the past and in modern times.

Bd. 3, 40. Historical index of names.

Bd. 3, 41. Geographical index.

Bd. 3, 42. Anti-quarian index of material.

Copy seen: DLC.

GRÖNLANDS STYRELSE, *see* GREENLAND. LAWS, REGULATIONS, *etc.*

6275. GRÖNLANDSKE FOLKESAGN, OPSKREVNE OG MEDDELTE AF INDFØDTE; MED DANSK OVERSÆTTELSE. Godthaab, Trykt i In-

spectoratets bogtrykkeri af L. Møller, 1859-61. 3 v.: 136, 111, 156 p. illus., plates, maps. *Title tr.:* Greenlandic legends, recorded and communicated by natives; with Danish translation.

Contains thirty-three tales, including historical legends about the Norsemen and the Eskimos; also tales of hunting and sealing, of angakoks, orphans, visions, conversion, and kayak adventures; legend of the first meeting between Eskimos and the Icelandic settlers in Greenland. Includes music and illustrations from woodcuts by Eskimos. Text in Greenlandic and Danish. *Copy seen:* DLC; NN.

6276. GRÖNLANDSKE SELSKAB. Betaenkning, adgivet af det den 5. novbr. 1906 nedsatte udvalg for ederfugles fredning. (Grönlandske selskab. Aarskrift, 1907. p. 100-105, table) *Title tr.:* Report by the committee, appointed Nov. 5, 1906, for the conservation of eider ducks.

Notes reasons for decline in number of eiders in Greenland; recommends protection during the breeding period, and hunting restrictions.

Copy seen: NNStef.

6277. GRÖNLANDSKE SELSKAB. Diskussioner i det Grönlandske selskab vedr. Grönlands betaenkningen af 12 juni 1946. (Grönlandske selskab. Aarskrift, 1947. p. 15-129) *Title tr.:* The discussion in the Greenland Society concerning the report on Greenland of June 12, 1946.

Contains opinions by leading members of the Greenland Society on Danish policy towards Greenland in the future; notes advances brought about by isolation from Denmark and through practice in self-government during the war years; discusses church and school problems. Includes statements by Ejnar Mikkelsen, Kristoffer Lynge, Knud Oldendow, Eske Brun, and others. *Copy seen:* NN.

6278. GRÖNLANDSKE SELSKAB. Dr. phil. K. J. V. Steenstrup. (Grönlandske selskab. Aarskrift, 1913. p. 40-43, illus.) *Title tr.:* K. J. V. Steenstrup, Ph.D.

Eulogy of Knud Johannes Vogelius Steenstrup, 1842-1913, his explorations and investigations in geology, geography, glaciology, *etc.*, in Greenland, 1871-99. *Copy seen:* NN.

6279. GRØNLANDSKE SELSKAB. Folkemedicinen i Grønland i ældre og nyere tid. (Grønlandske selskab. Aarsskrift, 1914. p. 22-57, illus.) *Title tr.:* Native medical cures in olden and present-day Greenland.

Discusses power and methods of the angakok; treatment and remedies used in various disorders and diseases; child-bearing practices and other aspects of Greenlanders' health and hygiene. *Copy seen:* NN.

6280. GRØNLANDSKE SELSKAB. Forfatter, læge Aage Ibsen. (Grønlandske selskab. Aarsskrift, 1915. p. 117-18) *Title tr.:* Aage Ibsen, author and physician.

Brief biography of Aage Rolf Ibsen, 1847-1915, physician for Godthaab District, 1880-85, and author of novels and short stories about Greenland.

Copy seen: NN.

6281. GRØNLANDSKE SELSKAB. Grønland 1941-42. (Grønlandske selskab. Aarsskrift, 1942. p. 152-71) *Title tr.:* Greenland 1941-42.

Discusses agreement of April 9, 1941, with the U.S.A. made by Henrik Kauffmann, Danish Minister to the United States, for the occupation and defense of Greenland, and its use as a military and naval base by the U.S.A., etc.

Copy seen: NN.

6282. GRØNLANDSKE SELSKAB. Indstilling fra det Grønlandske selskab til indenrigsministeriet angaaende forbedring af grønlaendernes huse. (Grønlandske selskab. Aarsskrift, 1910-11. p. 71-82) *Title tr.:* Petition from the Greenland Society to the Department of the Interior concerning improved housing conditions for the Greenlanders.

Report on present living and housing conditions as a menace to the health of the Eskimos; suggests sanitary and hygienic improvements, especially as related to water supply, the building of sidewalks and footpaths, ditches, sewers and cesspools, for drainage, etc., and financial aid to the Greenlanders in the building or re-building of homes. Recommends drawings for a model Greenland house be made and submitted to the government for its consideration; also attributes prevalence of tuberculosis to bad housing and living conditions.

Copy seen: NN.

6283. GRØNLANDSKE SELSKAB. Indstilling fra det Grønlandske selskab til Indenrigsministeriet om udvidelse af undervisningen i dansk sprog ved seminariet i Godthaab. (Grønlandske selskab. Aarsskrift, 1909. p. 17-19) *Title tr.:* Proposal from the Greenland Society to the Department of the Interior to extend the teaching of the Danish language in the Godthaab Seminary.

Suggests extension of periods in seminaries for the purpose of qualifying teachers to instruct in Danish in Greenland public schools; notes interest of Eskimos in learning to read and write the Danish language and benefit to them; proposes easing of government monopoly, and freer trade.

Copy seen: NNStef.

6284. GRØNLANDSKE SELSKAB. Kolonibestyrer H. P. Kraul. (Grønlandske selskab. Aarsskrift, 1915. p. 114-16) *Title tr.:* H. P. Kraul, community administrator.

Eulogy of Hans Peter Kraul, 1863-1915, his twenty-five years' work in West Greenland, mainly as administrator at Upernavik.

Copy seen: NN.

6285. GRØNLANDSKE SELSKAB. Kolonibestyrer L. H. C. Bistrup. (Grønlandske selskab. Aarsskrift, 1914. p. 113-16, illus.) *Title tr.:* Community administrator L. H. C. Bistrup.

Biography and eulogy of Laurits Hans Christian Bistrup, 1850-1914; his 36 years' service in Greenland; his interest in health and sanitation, sealing, etc., and in the Greenland Society.

Copy seen: NN.

6286. GRØNLANDSKE SELSKAB. Love og det Grønlandske selskab. (Grønlandske selskab. Aarsskrift, 1908. p. 63-67) *Title tr.:* By-laws of the Greenland Society.

Aims, interests and conditions of membership; members (mainly former government officials) are listed on p. 67.

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6287. GRØNLANDSKE SELSKAB. Mindesmaerket for Hansérak. (Grønlandske selskab. Aarsskrift, 1913. p. 48-51, illus.) *Title tr.:* The memorial to Hansérak.

Notes dedication of a monument to the catechist Johannes Hansen (commonly known as Hansérak) at Sydprøven, south Greenland. Recounts his

invaluable service during G. Holm's Umiak expedition to Angmagssalik, East Greenland, 1883-85.

Copy seen: NN.

6288. GRØNLANDSKE SELSKAB. Mindesmærket for Jørgen Brønlund. (Grønlandske selskab. Aarsskrift, 1913. p. 52-53, illus.) *Title tr.:* The memorial to Jørgen Brønlund.

Notes erection in Godthaab of monument to Jørgen Brønlund, 1878-1907, who perished during the *Danmark* expedition to northeast Greenland.

Copy seen: NN.

6289. GRØNLANDSKE SELSKAB. Østgrønlands retsstilling. (Grønlandske selskab. Aarsskrift, 1932-33. p. 229-34) *Title tr.:* Position in law of East Greenland.

Discusses the Hague Tribunal decision in the dispute between Denmark and Greenland over sovereignty in East Greenland, noting decision in favor of Danish claims, 1933.

Copy seen: NN.

6290. GRØNLANDSKE SELSKAB. Om de grønlandske overbetjentes økonomiske stilling efter lønningsog pensionsloven af 8 juni 1912. (Grønlandske selskab. Aarsskrift, 1915. p. 1-40) *Title tr.:* Concerning the economic position of public officials in Greenland, following the passing of the salary and pension law of June 8, 1912.

Discussion of this law, with suggestions for revisions, improvement of salary and pension conditions for public servants, including ship masters.

Copy seen: NN.

6291. GRØNLANDSKE SELSKAB. Om muligheden og betimeligheden af at indføre moskusoksen til Vestgrønland. (Grønlandske selskab. Aarsskrift, 1914. p. 5-21) *Title tr.:* Concerning the possibility and timeliness of introducing the musk ox into West Greenland.

Discusses danger of extermination of musk ox in Greenland, previous slaughter, present distribution, possible new habitats, etc.

Copy seen: NN.

6292. GRØNLANDSKE SELSKAB. The Rev. F. C. P. Rüttel. (Grønlandske selskab. Aarsskrift, 1915. p. 107-113)

Obituary of a beloved Danish clergyman, with comment on his work among East and West Greenland Eskimos; biographical data, 1859-1915.

Copy seen: NN.

6293. GRØNLANDSKE SELSKAB. Sundhedsforholdene i Grønland. (Grønlandske selskab. Aarsskrift, 1922-23. p. 79-85) *Title tr.:* Sanitary conditions in Greenland.

Discussion of the importance of adequate sanitary provision for the Eskimos; contrasts death rate in Greenland with that in Denmark; discusses diseases (including cancer) and epidemics; housing conditions; quarantine; sanatoria and clinics. Includes statistics and recommendations.

Copy seen: NNStef.

6294. GRØNLANDSKE SELSKAB. Taler holdt i anledning af Haag-dommen. (Grønlandske selskab. Aarsskrift, 1932-33. p. 5-16) *Title tr.:* Speeches delivered in connection with the Hague decision.

Contains speeches delivered on April 26, 1933, by K. Steglich-Petersen, Gustav Rasmussen, Jens Daugaard-Jensen and Knud Rasmussen, upon the decision of the Hague Tribunal and its award of sovereignty over all of Greenland to Denmark.

Copy seen: NN.

6295. GRØNLANDSPOSTEN. Aargang 1-8; 1942-1949 (in progress). København, Grønland styrelse, 1942-1949 (in progress). 8 v. illus., maps, diagrs. Bimonthly. *Title tr.:* Greenland post.

News journal edited by Christian Vibe, and published by the Danish Greenland Administration, giving information on scientific research, administrative affairs, local and all-Greenlandic social problems, and international affairs of interest to Greenland.

File seen: DLC (broken file beginning 1945).

6296. GRØNLIE, ANNE MARGRETHE. The ornithocrophilous vegetation of the bird-cliffs of Røst in the Lofoten Islands, northern Norway. (Nytt magasin for naturvidenskapene, 1948. Bd. 86, p. 117-243, illus.)

Contains a physical and geographic survey of Røst, the southwesternmost group in the Lofoten Islands (67°24'-67°32'N. 11°50'-12°E.); an ecological study of its vegetation (thriving on birds' dung), and various plant associations, distribution of plants and their reaction to the degree of manuring; enumeration of plants, including seventy flowering plants, forty-five ferns,

fifty-nine lichens and five algae; bibliography (65 items).

Copy seen: MH-A.

6297. GRØNLIE, OLE TOBIAS, 1871-
Contributions to the Quaternary geology of Novaya Zemlya. Kristiania, 1924. 124 p. illus., 30 plates (part fold., incl. maps) (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 21) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

Geomorphologic description of the land forms, glaciers and fiords, with remarks on Novaya Zemlya during glacial and post-glacial times, and a bibliography.

Copy seen: DLC.

6298. GRØNLIE, OLE TOBIAS, 1871-
Fossil and subfossil shells from "Maud"-Havn and environs. Bergen, John Grieg, 1928. 7 p. (*Maud Expedition, 1918-1925. Scientific results, v. 5, no. 20*)

List, with remarks on specimens, of fossil and subfossil molluscs from five localities in the Cape Chelyuskin vicinity; bibliography (13 items).

Copy seen: DSI-M.

6299. GRØNLIE, OLE TOBIAS, 1871-
Kvartaergeologiske iagttagelser fra Korgen i Ranen. (Tromsø, Norway. Museum. Aarshefter, 1910, pub. 1911. Bd. 33, p. 75-110, illus.) *Title tr.:* Quaternary geological observations from Korgen and Ranen.

Contains the results of the investigation of stratigraphic geology in Korgen district, Ranen (about 66°15'N. 13°30' E.), on the bank of Røsaen River, after a landslide there; with data on various strata, a list of twenty-four fossil molluscs and a discussion of climate, fauna and shore line of various strata. Summary in English. *Copy seen:* MH-Z.

6300. GRØNLIE, OLE TOBIAS, 1871-
Kvartaergeologiske undersøkelser i Tromsø amt. I Skjaelforekomster i syd-amtet. (Tromsø, Norway. Museum. Aarshefter, 1912-13, pub. 1913. Bd. 35-36, p. 93-136, map) *Title tr.:* Quaternary-geological investigations in Tromsø province. I. Occurrence of shells in the southern part of the province.

Contains the results of a geological investigation in 1911, on the occurrence of shells in Quaternary deposits in the fiord districts, Lavangen-Ofoten, Tromsø province. The shells are divided into three groups (arctic, boreal, lusi-

tanic) and studied by the regions. Data on former shore lines and terraces are given. Summary in English.

Copy seen: MH-A.

6301. GRØNLIE, OLE TOBIAS, 1871-
Kvartaergeologiske undersøkelser i Tromsø Amt. II Strandlinjer i amtet. (Foreløbig meddelelse) (Tromsø, Norway. Museum. Aarshefter, 1912-13, pub. 1914. Bd. 35-36, p. 221-40, plates 1-4, text map) *Title tr.:* Quaternary-geological investigations in Tromsø province. II. Shore line in the province. (Preliminary report).

Contains an account of the results of investigations of shore lines in Tromsø province, northern Norway, 1911-14, arranged in three groups: (1) Mya line; (2) shore line below the Mya line; (3) those above the Mya line, with lines and ledges marked on the plates.

Copy seen: MH-Z.

6302. GRØNLIE, OLE TOBIAS, 1871-
Quaternary geology. The Folden Fiord, part 2. Tromsø, Norway, 1927. p. 1., 73 p. illus., 4 maps (3 fold.) (Tromsø, Norway. Museum. Skrifter. v. 1, pt. 2) "Contributions to the Quaternary geology of the Folla district." —Running title.

Based on investigations of Quaternary conditions, especially the shore lines, and a series of levellings on the shores of the islands and peninsulas occupying the region between 67°21'-67°53'N. and 14°40'-15°53'E. northern Norway, carried out in July-Aug. 1923. Report on observations in nineteen localities, showing shells found, data on raised shore lines, glaciation, evidence of former glaciation, and kinds of rocks; and a summary of results discussing (1) effects of total glaciations on the land surface, (2) the last ice age, (3) heavy local glaciation and a continuous shore line in the late glacial time, and (4) climatic variations and shore lines in sub-glacial and post-glacial times. Bibliography (34 items).

Copy seen: DLC; DSI-M.

6303. GRØNLIE, OLE TOBIAS, 1871-
Some remarks on the land area in Nordland between the glacier Svartisen and the frontier. (Norsk geografisk tidsskrift, 1939. Bd. 7, hefte 5-8, p. 143-50, illus., sketch map)

Geomorphology of this mountainous plateau region between Svartisen (66°45'N. 14°30'E.) and the Swedish

border; with remarks on its present physical geography. *Copy seen:* DLC.

6304. GRØNLIE, OLE TOBIAS, 1871-, and T. SOOT-RYEN. The Folden Fiord. Zoological, hydrographical and Quaternary geological observations made in the Folden Fiord during the summer of 1923. Parts 1-5, 7, 9, 13. 8 pts. illus., 5 maps (4 fold.) diagrs. (Tromsø, Norway. Museum. Skrifter. v. 1, pt. 1-5, 7, 9, 13)

Results of investigations carried out by the authors and assistants, July-Aug. 1923, in the Norwegian waters and land area of the Folla district, between 67°21'-67°53'N. and 14°40'-15°53'E. The material is to be published in fifteen parts, of which pts. 6, 8, 10-12, 14-15 have not yet (Aug. 1950) appeared.

Contents: Pt. 1 (pub. 1925). Soot-Ryen, T. Introduction.

Pt. 2 (pub. 1927). GRØNLIE, O. T. Quaternary geology.

Pt. 3 (pub. 1932). SOOT-RYEN, T. Hydrography.

Pt. 4 (pub. 1925). SOOT-RYEN, T., and O. NORDGAARD. Fishes.

Pt. 5 (pub. 1927). SIVERTSEN, E., and others. Crustacea.

Pt. 7 (pub. 1928). GRIEG, J. A. Echinodermata.

Pt. 9 (pub. 1927). NORDGAARD, O. Bryozoa.

Pt. 13 (pub. 1931). BURTON, M. Spongia.

Each of these papers except the Introduction appears in the Bibliography under its author's name.

File seen: DLC; DSI-M.

6305. GRØNLUND, CARL CHRISTIAN HOWITZ, 1825-1901. Lichener, samlede i Grønland af Prof. Fr. Johnstrup i sommeren 1874. (Naturhistoriske forening. Videnskabelige meddelelser, 1877-78. Aarg. 29-30, p. 244-50) *Title tr.:* Lichens collected in Greenland by Prof. Fr. Johnstrup during the summer of 1874.

List, with synonymy, references to literature and some remarks, of forty-nine species from West Greenland; with description of an additional hitherto unrecorded species.

Copy seen: DLC.

GRØNLUND, CARL CHRISTIAN HOWITZ, 1825-1901, see also Deichmann Branth, J. S., & C. C. H. Grøn-lund. Grønlands lichen-flora. 1887.

6306. GRØNTVED, JOHANNES, 1882-. Vascular plants. Copenhagen, Gyl-dendal, 1937. 5 p. l., 7-93 p. fold. map. (Thule Expedition. 5th, 1921-24. Re-port. v. 2, no. 1)

Contents include: List of vascular plants and their localities with coordi-nates, p. 10-81. Bibliography, p. 82-84.

Appendix: Ekman, Elisabeth. The Drabas, p. 85-93. *Copy seen:* DLC.

6307. GRØNTVED, JULIUS, 1899-, and G. SEIDENFADEN. The Godthaab Expedition 1928. The phytoplankton of the waters west of Greenland. Kjø-benhavn, C. A. Reitzel, 1938. 380 p., 1 l. incl. 108 illus., incl. charts, tables, 2 fold. maps. (Meddelelser om Grøn-land. Bd. 82, nr. 5)

Contains (1) account of the investi-gations; (2) summary of results of previous investigations; (3) a chapter on Dr. Thorild Wulff's plankton col-lection from the Second Thule Expe-dition, 1916-1918; (4) list, with ref-erences to literature and remarks on distribution and frequency, of two hun-dred thirty-four plankton organisms; (5) discussion of the distribution of plankton organisms within several hy-drographical sections and conclusions drawn in regard to ocean currents and distribution of waters; bibliography, p. 370-74. *Copy seen:* DLC.

6308. GRØNWALL, KARL ANDERS AXEL, 1869-. The marine Carbonif-erous of north-east Greenland and its brachiopod fauna. 1916. Danmark-eks-peditionen til Grønlands nordøstkyst. 1906-1908. Bd. 3, nr. 20. (Meddelelser om Grønland, 1917. Bd. 43, p. 509-618. illus., plates XXVII-XXIX, maps)

Contains (1) an introduction giving extracts from G. C. Amdrup's account of the geological formations, and field notes; (2) detailed descriptions of the localities on Holm's and Amdrup's Lands (including Henrik Krøyers Islets, skerries offshore from the lat-ter); (3) paleontological description of the brachiopods, twenty-six species (three new); (4) review of upper Car-boniferous in other regions as com-pared with northeast Greenland; and (5) discussion of the brachiopod fauna as relating the northeast Greenland formations with others.

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6309. GROISSMAYR, FRITZ BÉLA. Die Bedeutung der Januartemperatur

am Unterlaufe der Lena. (Polarforschung, 1946, pub. 1948. Bd. 2, Jahrg. 16, p. 84) *Title tr.*: Significance of the January temperature on the lower Lena.

Note on temperature anomaly at Yakutsk, based on data of 1891-1931.

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6310. GROISSMAYR, FRITZ BÉLA. Schwere und leichte Eisjahre bei Newfoundland und das Vorwetter. (Annalen der Hydrographie und maritimen Meteorologie, Jan. 1939. Bd. 67, p. 26-30, diagrs.) *Title tr.*: Severe and light ice years in the Newfoundland region and the weather which preceded them.

Using data from the International Ice Patrol on the ice season on the Newfoundland Grand Banks, 1880-1926, and correlating temperature statistics, the author proposes a formula for forecasting icebergs, based on preceding temperature conditions.

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6311. GROISSMAYR, FRITZ BÉLA. Temperaturschwankungen in Januar in Zentral-Alaska. (Polarforschung, 1946, pub. 1948. Bd. 2, Jahrg. 16, p. 83) *Title tr.*: Temperature variations during January, in central Alaska.

Note showing temperatures for Tanana, Alaska, and Helena, Montana, 1903, 1906, 1907, 1911, 1913, 1915, and 1916.

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6312. GROISSMAYR, FRITZ BÉLA. Weltwetter und Klimaschwankung im Nordpolargebiet. (Polarforschung, 1945, pub. 1947. Bd. 2, Jahrg. 15, p. 5-9) *Title tr.*: World weather and variation of climate in north polar regions.

Discussion of temperature inversions over a period of about fifty years, on the coast of West Greenland, in Iceland, Alaska, and northwestern Siberia, with supporting data.

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6313. GROISSMAYR, FRITZ BÉLA. Eine 2,72-jährige Periode der Januartemperatur in Dawson. (Polarforschung, 1946, pub. 1948. Bd. 2, Jahrg. 16, p. 102) *Title tr.*: A 2.72-year period of January temperature at Dawson.

Note on maximum and minimum temperature periodicity.

Copy seen: DSI-M.

6314. GROMOV, BORIS VASIL'EVICH. Gibel' Chel'uskina. [Moskva],

Goslitizdat, 1936. 377, [2] p. 2 l., front., illus. (part mounted), ports., maps (1 fold.) *Title tr.*: The end of the Chel'uskin.

A narrative of the voyage along the Northern Sea Route, U.S.S.R., 1933-34, under the leadership of O. I. Shmidt in the Chel'uskin (Captain Voronin), to test feasibility of using semi-icebreakers for regular voyages in arctic seas. Describes the many difficulties encountered, the eventual destruction of the ship, Feb. 13, 1934, in the heavy ice of Chukchi Sea and the final evacuation of the crew by planes from the ice-floe "Camp Shmidt".

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6315. GROMOV, BORIS VASIL'EVICH. Pokhod "Sibir'akova." Moskva, Sovetskaya literatura, 1934. 252, [4] p. *Title tr.*: Voyage of the Sibir'akov.

Account of the eastward voyage along the Northern Sea Route, U.S.S.R., as given by the special correspondent for "Izvestiia" on board the ice-breaker, June-Oct., 1932; with a list of members of the expedition.

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GROMOV, MIKHAIL MIKHAILOVICH, see Stalinskaya trassa. 1937.

6316. GROMOV, V. Hidrograficheskoe raboty v ust'e Eniseia. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1924. T. 56, vyp. 2, p. 107-118) *Title tr.*: Hydrographical work at the mouth of the Yenisey.

Preliminary report for 1920-21 of the geologist of the Hydrographic Ob'-Yenisey Section, dealing with the geology of the right bank of the Yenisey and its gulf from Dudinka to Dikson Island.

Copy seen: DLC.

6317. GROMOVA, VERA I. Ostatki mlekopitavushchikh iz mogil'nika Bol'shogo Olen'ego ostrova. (Akademiia nauk SSSR. Komissiiia ekspeditsionnykh issledovani. Materialy, 1930. Vyp. 23. Seriya severnaia. Kol'skii sbornik, p. 177-79, plate) *Title tr.*: Remains of mammals from the burial site on the Bol'shoy Oleniy Island.

Report on finds made by the Kola Expedition in 1928, on this island (69°13'N. 33°29'E.) in Kola Bay.

Copy seen: DLC.

6318. GRONAU, WOLFGANG von. In a flying boat across the Greenland

ice cap to U.S.A. (Royal Aeronautical Society. Journal, Nov. 1932. v. 36, p. 918-44)

Account of the flight, July-Aug. 1931, in a Dornier Wal (two B.M.W. 7 engines of 700 h.p each) from Europe to Chicago, via Iceland, Scoresby Sound, Sukkertoppen, Godthaab, and Labrador, with useful notes on flying conditions. Includes discussion from the floor, and additional details on meteorologic conditions and routes in reply to discussion.

Copy seen: DLC; NNSStef.

6319. GRONDAHL, BROR LEONARD, 1889- . Let's put Alaska's forests to work. (Alaska life, June 1943. v. 6, no. 6, p. 3-6, illus.)

Analysis of a potential pulpwood industry and many other uses of the trees growing in Alaska in a wide variety of species.

Copy seen: DLC.

6320. GROSS, ALFRED OTTO, 1883- . Birds of the Bowdoin-MacMillan Arctic Expedition 1934. (Auk, Jan. 1937. v. 54, p. 12-42, 4 plates)

The expedition was for the purpose of studying and collecting birds and plants on the coast of Labrador and the Button Islands. The author gives here an annotated list, with total lengths, wing-extents, and weights, also notes on food and habits, of ninety-two species of birds taken during the trip, from the Gulf of St. Lawrence to Hudson Strait. Includes list of bird hosts and bird lice.

Copy seen: DSI-M.

6321. GROSS, ALFRED OTTO, 1883- . To the strange "Buttons." The story of the Bowdoin-MacMillan Arctic Expedition of 1934 to Cape Mugford, Labrador, and the Button Islands of the Northwest Territories. (Natural history, Sept. 1935. v. 36, p. 133-48, incl. 10 p. of illus.)

Popular account of the Bowdoin's cruise, June-Aug., with a party of Bowdoin College and Clark University men, who carried out ornithological and biological research on the Button Islands just off Cape Chidley, and made botanical collections on the Labrador coast.

Copy seen: DSI-M.

6322. GROSSET, HUGO. K sistematike i geografii flialok srednei polosy evropeiskoi chasti SSSR. (Botanicheskii zhurnal, 1929. T. 14, no. 1, p. 37-50, illus., map) *Title tr.:* On systematics

and geography of the violets of central European Russia.

Contains critical notes on the violets of central European Russia with detailed data on geographical distribution, including *Viola riviniana*, occurring in the Arkhangelsk region. Summary in German. *Copy seen:* MH-A.

6323. GROSSPIETCH, OSKAR. Kristallform und optische Orientierung des Albit von Morro Velho und Grönland. (Tscherma's mineralogische und petrographische Mitteilungen, 1908. Neue Folge, Bd. 27, p. 353-76, illus.) *Title tr.:* Crystal form and optical orientation of albite from Morro Velho and Greenland.

Includes (p. 364-70) description of specimens from Kangerdluarsuk and Narsarsuaq, southwest Greenland.

Copy seen: DGS.

6324. GROSVENOR, GILBERT HOVEY, 1875- . Reindeer in Alaska. (Smithsonian Institution. Annual report, 1902, pub. 1903. p. 613-23, 11 plates) Reprinted from the National Geographic magazine, v. 14, no. 4, April, 1903.

The story of the introduction of domestic reindeer into Alaska by Sheldon Jackson in 1891, and of subsequent importations from Siberia; the development of the reindeer industry, uses of the reindeer as draft animals, Eskimos as herders; importance of the herds in Alaskan economy.

Copy seen: DLC.

6325. GROTE, HERMANN, 1882- . Die Vögel von Franz-Joseph-Land. (Beiträge zur Fortpflanzungsbiologie der Vögel, Jan. 1938. Jahrg. 14, p. 1-8) *Title tr.:* Birds of Franz Josef Land.

Annotated list of twenty-six species of birds known to occur on Franz Josef Land based on published and unpublished reports. Includes some remarks on bird migration in arctic latitudes.

Copy seen: DLC; DSI-M.

6326. GROTEWAHL, MAX. Gezeitenbeobachtungen in der Magdalenen-Bucht (Spitzbergen). (Annalen der Hydrographie und maritimen Meteorologie, Dez. 1928. Jahrg. 56, p. 402-403, diags.) *Title tr.:* Tidal observations in Magdalena Bay, Spitsbergen.

Notes on apparatus and methods found necessary for use in arctic wa-

ters, and a few data for tides at Trinity Harbor, July 30-Aug. 22, 1925.

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6327. GROUARD, EMILE JEAN BAPTISTE MARIE, 1840-1931. Souvenirs de mes soixante ans d'Apostolat dans l'Athabaska-Mackenzie. Lyon (etc.) Oeuvre Apostolique de Marie Immaculée [1923] viii, 440 p. illus. incl. ports, double-face map. *Title tr.:* Recollections of my sixty years' apostolate in Athabaska-Mackenzie.

History of the Oblates of Mary Immaculate in the northern prairie provinces of Canada, the Mackenzie valley and Yukon Territory, 1862-1922.

Copy seen: NNStef.

6328. GROUT, FRANK FITCH, 1880-. Petrographic and chemical data on the Canadian Shield. (Journal of geology, Apr.-May 1938. v. 46, p. 486-504, incl. tables, diag.)

Thirty-nine new analyses and petrographic notes on igneous rocks from the Labrador coast, northern Ontario, and the Northwest Territories.

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6329. GRUBE, ADOLPH EDUARD, 1812-1880. Annulaten. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1851. Bd. 2, Theil 1, p. 1-24, 2 plates) *Title tr.:* Annulata. Text in German; descriptions in Latin.

List, with synonyms, descriptions, and discussion of ten (including two new) species of polychaetes, three (including two new) species of earthworms, and a new species of leech. The *Lumbricus* were found on the Boganida River, Krasnoyarskiy Kray, two of the *Nereis* in the Okhotsk Sea, the leech from salmon of Taymyr Bay, and the remainder unlocated.

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6330. GRUBE, ADOLPH EDUARD, 1812-1880. Parasiten. (In: Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1851. Bd. 2, Theil 1, p. 465-503, 508, 2 plates) *Title tr.:* Parasites. Text in German; descriptions in Latin.

List, with descriptions, locations, hosts, and discussion of twenty-three (including five new) species of birdlice from Krasnoyarskiy Kray and other regions; four (including three

new) species of lice from mammals and man of the same region; and one new species of mite from a lemming; with an index, p. 508. *Copy seen:* DLC.

GRUBE, ADOLPH EDUARD, 1812-1880, see also Brandt, J. F., & A. E. Grube. Echinodermen (Middendorff 1843-44). 1851.

GRUBE, E., see GRUBE, ADOLPH EDUARD, 1812-1880.

GRUBENMANN, U., see also Quervain, A. de, & others. Gemeinsame Beobachtungen Westküste, Grönlandexped. 1912-13. 1920.

6331. GRUBER, OTTO von, 1884-. Über die photogrammetrische Ausrüstung des "Graf Zeppelin" auf der Arktisfahrt 1931, über die Auswertungsmethoden und die bisherigen Ergebnisse aus dem gewonnenen Aufnahmемaterial. (In: Berson, Arthur, editor, Die Arktisfahrt des Luftschiffes "Graf Zeppelin" im Juli 1931, pub. 1933. p. 68-77, illus., 13 plates (incl. maps, photos,)) *Title tr.:* The photogrammetric equipment of the Graf Zeppelin on the arctic flight of 1931; the methods of interpretation, and the results achieved so far, from the photographic material obtained.

Copy seen: DLC.

6332. GRUBER, RUTH. I went to the Soviet Arctic. Rev. ed. by Ruth Gruber, with a preface by Vilhjalmur Stefansson. New York, Viking Press, 1944. xv, 285 p. 8 plates, map on lining-papers. First published in 1939, republished in 1944 with addition of two chapters: "Arctic at war", and "Neighbors across the Arctic", also glossary.

Journalist's account of a trip in 1935 up the Yenisey River to Igarka, her impressions of the city, particularly of people, and the Soviet commercial, industrial and scientific development of the western Siberian Arctic; her trip from Igarka to Murmansk aboard the *Anadyr*, the last stage of the first commercial voyage from Vladivostok.

Copy seen: DLC; NNStef.

GRÜNEWALDT, ERNST von. see Middendorff, A. T. v. Nachträge zur Kenntniss d. Nordkapstromes. 1873.

6333. GRUNOW, ALBERT, 1826-1914. Die österreichischen Diatomaceen nebst Anschluss einiger neuen Arten von an-

dern Lokalitäten und einer kritischen Übersicht der bisher bekannten Gattungen und Arten. (Zoologisch-botanische Gesellschaft in Wien. Verhandlungen, 1862, Bd. 12, p. 315-472, plates 6-10, 13) **Title tr.:** Austrian Diatomaceae with a supplement of some new species from other localities and with a critical revision of all known genera and species.

Contents include descriptions of *Synedra camtschatica* and *Striatella camtschatica* n. spp. marine diatoms found "in Kamchatka Sea."

The Latin descriptions of these new species were republished as the author's *Ueber neue oder ungenügend gekannte Algae*. (Hedwigia, 1864. Bd. 3, no. 5, p. 65-70). **Copy seen:** MH-A.

GRUNOW, ALBERT, 1826-1914, see also Cleve, P. T., & A. Grunow. Beiträge z. arktischen Diatomeen. 1880.

6334. GRUM-GRZHIMAILO, M. M. Sostoianie i'dov v 1932 g. v Beringovom prolive i v Chukotskom more. (In: Kireev, I. A., editor. Vostochno-Sibirskoe i Chukotskoe moria, Beringov proliv i Beringovo more, 1936, p. 31-35, fold. map) **Title tr.:** State of ice in the Bering Strait and the Chukchi Sea in 1932 observed by the Expedition of the Kamchatka Joint-Stock Company (AKOLH) on S.S. Soviet.

Observations made during the voyage to Wrangel Island, Aug.-Sept. 1932, with some data on direction and speed of the drifting ice and a sketch map showing the route taken and ice formations encountered. Summary in English p. 56-59. **Copy seen:** DLC.

6335. GRUNVAL'D, PETR VLADIMIROVICH. Gornye bogatstva iAkutii. iAkutsk, 1927. 127 p. (iAkutskaiä gorno-tekhnicheskaiä kontora, Yakutsk. Materialy po geologii i poleznym iskopaemym iAASSR, 1927. No. 1)

Maps bound with no. 4 of this series. See Grunval'd, P. V. O rabote iAkutskoi gorno-tekhnicheskoi kontory, 1929. **Title tr.:** Mineral resources of Yakutia.

A description of mineral resources of the Yakut A.S.S.R., arranged according to administrative divisions of the region, with a list of exact locations of various pre-revolutionary claims, based on data in official local archives and organizations.

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6336. GRUNVAL'D, PETR VLADIMIROVICH. O rabote iAkutskoi gorno-tekhnicheskoi kontory. (iAkutskaiä gorno-tekhnicheskaiä kontora, Yakutsk. Materialy po geologii i poleznym iskopaemym iAASSR, 1930. No. 4: Gornye bogatstva iAkutii, p. 4-39) Maps at the end of vol. refer to no. 1 and no. 2 of this series. See Grunval'd, P. V. Gornye bogatstva iAkutii, 1927, and Piatovskii, K. iA. Serebro-svintsovyie mestorozhdeniia Verkhofianskogo raiona. 1928. **Title tr.:** The activity of the Yakut Mining and Technological Bureau, Yakutsk.

A report on the work of the main Yakut A.S.S.R. office as well as accounts of the search for mineral resources conducted by its field investigation parties. **Copy seen:** DLC.

6337. GRUNVAL'D, PETR VLADIMIROVICH. Puti industrializatsii v sviazi s razvitiem transportnoi problemy iAkutii (Opyt ekonomicheskogo issledovaniia). (iAkutskaiä gorno-tekhnicheskaiä kontora, Yakutsk. Materialy po geologii i poleznym iskopaemym iAASSR, 1928. No. 2: Gornye bogatstva iAkutii, p. 67-113) **Title tr.:** Industrialization in connection with the transportation problem of Yakutia.

A general description of mineral resources of the Yakut A.S.S.R. (gold, iron ores, silver, lead, salt, gypsum, coal) and a discussion of the importance of connecting this region with the Far East by a railroad from Lena to Amur. **Copy seen:** DLC.

GRUNVAL'D, PETR VLADIMIROVICH, see also iAkutskaiä gorno-tekhnicheskaiä kontora. Gornye bogatstva iAkutii. 1927.

GRY, HELGE NIELSEN, 1905-, see Rosenkrantz, A., & others. Danske Nugssuaq eksped. 1939. 1940.

GRY, HELGE NIELSEN, 1905-, see also Rosenkrantz, A., & others. Geol. reconnaissance Svartenhuk Pen. 1942.

6338. GUBEL'MAN, M. I. O tunguzakh Olekminskogo okruga. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1925. T. 57, vyp. 2, p. 33-51, illus.) **Title tr.:** Notes on the Tungus of the Olekminsk district.

Contains results of random observations and excerpts from a diary made in 1916 during a trip on the Olekma

River; notes from a camp of migratory Tungus, on their dwellings, dress, reindeer, fishing, also vital statistics, their beliefs and folk tales. Author also comments on deserted camps, evidences of children's games, sacrificial place with wooden representations of birds, etc.

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6339. GUBER, VADIM ALEKSANDROVICH. Lovushka dlia otlova kochuushchikh pestsov. (Sovetskaya Arktika, 1940, no. 1, p. 86-88, illus., diags.) *Title tr.:* A snare for trapping migratory polar foxes.

Description of the snare and its use.

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6340. GUBER, VADIM ALEKSANDROVICH. Proizvodstvenno-okhotnich'i stantsii. (Sovetskaya Arktika, 1936, no. 11, p. 81-82, table) *Title tr.:* Industrial hunting stations.

Brief descriptions of the work, and a list of 21 industrial hunting stations under the Main Administration of the Northern Sea Route in 1936.

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6341. GUBER, VADIM ALEKSANDROVICH. Sdelat' ustoičivym pestsovyi promysel. (Sovetskaya Arktika, 1935, no. 5, p. 29-32) *Title tr.:* For a stable arctic fox industry.

Discussion of the regularity in fluctuation of arctic fox population in various sections of the Soviet North, and encouragement to study the fluctuation process in order to minimize its disadvantageous effect on the industry.

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GUBER, VADIM ALEKSANDROVICH, *see also* Boitsov, L. V., & others. Pushnoe khoziaistvo Krainego Severa. 1941.

GUDKOV, I. S., *see* Senkevich, V. V., & I. S. Gudkov. Antireligiozni fol'klor Khante i Mansi. 1939.

GUDKOV, I. S., *see also* Senkevich, V. V., & I. S. Gudkov. Iakutskii fol'klor. 1937.

6342. GUNTHER, ALBERT CARL LUDWIG GOTTHILF, 1830-1914. Note on fishes. (*In:* Markham, Sir A. H. A polar reconnaissance, 1879, *pub.* 1881. Appendix I. p. 353)

Note includes specimens from Novaya Zemlya: one *Gadus* from Matochkin Shar, one *Mallotus* and one *Salmo* from waters off the western coast of

the island, and a fresh-water pond.

Copy seen: DLC; NNSStef.

GUNTHER, ALBERT CARL LUDWIG GOTTHILF, 1830-1914, *see also* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

GUÉRAULT, J. HENRI, *see* Bellebon, Dr., & J. H. Guérault. Esquimaux du Groënland. 1857.

GUERNSEY, ALFRED HUDSON, 1824-1902, *see* Hartwig, G. L. Polar & tropical worlds. 1871, 1874.

6343. GUERNSEY, ALICE M. Under the northern lights. New York, Woman's Home Missionary Society, Methodist Episcopal Church, [c1917] 121 p. 5 plates.

Selections from works of various writers, describing the Alaskan scenery, life, and missions.

Copy seen: NNSStef.

GUESMER, GEORGE O., *see* Montgomery, R. H. Precise levelling Alaska Highway. 1948.

6344. GUSSOW, WILLIAM CARRUTHERS. Contribution to the knowledge of the flora of northern Manitoba and the North-Western Territories, Dominion of Canada (Lat. 58°-62°; Long. 95°-100° Hudson Bay). (Canadian field naturalist, Sept. 1933, v. 47, p. 116-19)

Based on the author's collections made during a Canadian Geological Survey field assignment, summer 1932; a list with localities, of ninety plants.

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6345. GUILD, PHILIP WHITE, 1915-. Chromite deposits of Kenai Peninsula, Alaska. (*In:* U. S. Geological Survey. Strategic minerals investigations, 1941. Bulletin, 1942. No. 931, p. 139-75, illus. (maps and diags.) 8 plates (incl. 3 fold. maps))

Results of field work in 1940, at Claim Point (Port Chatham) and Red Mountain, describing the general geology, the ore bodies, and (in detail, with maps) the mines and prospects.

Maps: 1. Geologic reconnaissance map of the southwestern part of Kenai Peninsula (scale 1:250,000). 2. Geologic map of Claim Pt. (contour interval 50 ft., scale 1:14,500). 3. Geologic and topographic map of Red Mt. (contour interval 200 ft., scale 1:12,000).

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6346. GUILD, PHILIP WHITE, 1915-
, and J. R. BALSLEY. Chromite deposits of Red Bluff Bay and vicinity, Baranof Island, Alaska. (In: U. S. Geological Survey. Strategic minerals investigations, 1942. Bulletin 936, p. 171-87, 4 maps (2 fold.)

Description of the geology and ore bodies.
Copy seen: DGS.

6347. GUILLARD, ROBERT. Transports. (In: Victor, P. E., and others. Rapport préliminaires de la campagne préparatoire au Groenland (1948), pub. 1949, p. 72-75) *Title tr.:* Transportation. (In the Preliminary report of the preparatory expedition to Greenland 1948).

Account of the French Arctic Expedition's transportation of tons of materiel from its disembarkation point on the west coast of Greenland over rocky and wet terrain, and the inland ice, using dog teams and weasels, with a cable hoist to convey materiel, vehicles, etc., to the inland ice. Includes notes on amounts of fuel and loads.

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GUILLARD, ROBERT, *see also* Victor, P. E., & others. Expédition polaires françaises. 1949.

GUILLEMARD, FRANCIS HENRY HILL, 1852- , *see* Markham, Sir C. R. Lands of silence. 1921.

6348. GUL'CHAK, F. ĬA. Opyt organizatsii massovoi selektsionnoi raboty v olenevodcheskom sovkhoe. (Leningrad, Nauchno-issledovatel'skii institut pol'iarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 5, p. 7-47, illus., tables) *Title tr.:* An experiment in mass selection on a reindeer-breeding state farm.

Work done since 1936 on the Nenets Reindeer-Breeding Sovkhoz for the Institute of Polar Agriculture.

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6349. GUL'CHAK, F. ĬA. Otkhody rybnoi i zveroboimoi promyshlennosti-korm dlia skota. (Sovetskaiia; Arktika, 1939, no. 8, p. 116-18, illus.) *Title tr.:* Waste products from the fishing and sealing industries as fodder for cattle.

Encouragement for utilizing fish meal from non-industrial fishes, also fish scrap, as supplementary fodder for reindeer, cows, dogs, swine, etc. Re-

marks on experience in such feeding at agricultural experimental stations in Murman and Yamal.

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6349A. GUL'CHAK, F. ĬA. Proizvodstvennye sooruzheniia v olenevodstve. (In: U.S.S.R. Ministerstvo sel'skogo khoziaistva. Upravlenie rainov Krai-nego Severa. Severnoe olenevodstvo, 1948, p. 304-322, illus., diagrs.) *Title tr.:* Industrial construction for reindeer raising.

Describes construction of permanent or stationary, and movable corrals; method of corralling the herd; movable cabins for herdsmen; slaughter pens, etc.

Copy seen: DLC.

6350. GUL'CHAK, F. ĬA. Ustroistvo koralei i ikh eksploatatsiia v olenevodstve. Leningrad, Izd-vo Glavsevmorputi, 1940. 69, 3 p. illus. (Leningrad. Nauchno-issledovatel'skii institut pol'iarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1940. Vyp. 10) *Title tr.:* The construction of corals and their exploitation in the reindeer industry. Summary in English.

Copy seen: DLC.

6351. GULDBERG, GUSTAV A. Bidrag til cetaceernes biologi; om forplantningen og drægtigheden hos de nordatlantiske bardehvaler. Christiania, Jacob Dybwad, 1886. 56 p., tables. (Norske videnskaps-akademi. Forhandlinger, 1886, no. 9) *Title tr.:* Contribution to the biology of the cetaceans; on propagation and gestation of North Atlantic whalebone whales.

Contains preliminary remarks on the gestation period of various mammals, and discussion (based on the author's observations at whaling stations in northern Norway) of the propagation and gestation period of six species of whales; with measurements of fetus; also remarks on whaling in northern Norway.

Copy seen: DLC.

6352. GULDBERG, GUSTAV A. Zur Biologie der nordatlantischen Finwalarten. (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1886. Bd. 2, p. 127-74, incl. tables) *Title tr.:* On the biology of the North Atlantic finback whale.

Contains a study of the reproduction and (especially) the gestation and other features of the life history of

five species, three species occurring in the Atlantic waters above the Arctic Circle.

Copy seen: DSI-M.

6353. GULDBERG, GUSTAV A. Zur Kenntniss des Nordkapers. (*Eubalaena biscayensis* Eschr.) (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1893. Bd. 7, p. 1-22, 2 plates) *Title tr.*: The North Cape whale (*Eubalaena biscayensis* Eschr.)

A sketch of the history of this whale once plentiful in Greenland Sea especially around northern Norway; an anatomical description of it, and a bibliography (23 items).

Copy seen: DSI-M.

6354. GUNDEL, MAX, 1901- , and H. B. PETERS. Untersuchungen über den Bakteriengehalt des Verdauungskanal von freilebenden Polartieren. (In: Peters, H. B., and others. Zoologie. Pub. in: Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1934. Bd. 6, p. 190-96, table) *Title tr.*: Investigation of the bacterial content of the alimentary canals of the free-living organisms of the Arctic. (Zoology, in German Greenland Expedition Alfred Wegener, 1929 and 1930-1931)

Contains tabular results of cultures and microscopic examinations made in the laboratory by M. Gundel, of material taken from walrus, seals, fish, arctic fox, musk oxen, and birds, prepared in the field by H. B. Peters; with discussion of the negative results of the cultures and the amounts of bacteria and parts of the canal in which they occur, shown by the microscopic examinations.

Copy seen: DLC.

6355. GUNDERSON, FREDERICK JOHN, 1903- , and OSCAR LARSEN. Fish traps. (Alaska life, May 1948. v. 11, no. 5, p. 10-11, illus.)

Panel discussion for and against salmon traps in Alaskan waters.

Copy seen: DLC.

GUNN, C. K., *see* Gorman, R. F., ed. Fur farming Alaska. 1947.

6356. GUNN, DONALD, 1797-1878. Notes of an eggng expedition to Shoal Lake, west of Lake Winnipeg. (Smithsonian Institution. Annual report, 1867, pub. 1868)

Account of a trip collecting specimens in northern Manitoba, 1867, with remarks on the birds and their habitat.

Copy seen: DLC.

6357. GUNNARSSON, J. G. Härighetens variationer hos *Potentilla palustris* (L.) Scop. (Botaniska notiser, 1914, häfte 5, p. 217-24) *Title tr.*: Hairy varieties of *Potentilla palustris* (L.) Scop.

Contains Latin descriptions of *f. subsericea* and *f. typica*, *f. glandulosa*, *f. ambifaria*, new forms of *Potentilla palustris* occurring in Asele Lappmark (northern Sweden) and in Greenland.

Copy seen: MH-A.

6358. GUNNARSSON, J. G. Tillägg till "Monografi över Skandinavians Betulae". 1. Några egendomliga huvudsakligen i Finland anträffade Betulaformer. (Societas pro fauna et flora fennica. Memoranda, 1933-34, pub. 1935. v. 10, p. 371-77, illus.) *Title tr.*: A supplement to "Monograph on Scandinavian Betulae." 1. Some characteristic *Betula* forms found chiefly in Finland.

Contains description of six forms (five new) of various birch hybrids occurring in Finland, including *Betula coriacea* x *nana* x *tortuosa* x *verrucoea* *f. intermedia*, native to the Inari region of Finnish Lapland. Published as a supplement to the author's, *Monografi över Skandinavians Betulae*, 1925.

Copy seen: MH-A.

6359. GUNNING, HENRY CECIL. Sulphide deposits at Cape Smith, east coast of Hudson Bay. (Canada. Geological Survey. Summary report, 1933, pub. 1934. Pt. D, p. 139-54, illus. (map, diagrs.) 2 plates)

Contains information on access to, and nature of the region; discussion of general geology and mineral deposits on Smith Island (60°46'N. 78°23'W.) and adjacent mainland of Ungava Peninsula, as studied during the 1933 Eastern Arctic Expedition.

Copy seen: DLC.

6360. GURARI, G. N. G U S M P. (Sovetskii Sever, 1934, no. 6, p. 25-32, maps) *Title tr.*: Main Administration of the Northern Sea Route.

Brief survey of navigation along North Siberian coast 1932-34, by the ice-breakers *Sibirskov*, *Chelūsikin*, *Litke*; and of organization of GUSMP (Glavnoe upravlenie Severnogo mor-

skogo puti, Main Administration of the Northern Sea Route), with the task of establishing the sea route from White Sea to Bering Strait.

Copy seen: DLC.

6361. GUREVICH, B. S. Termika Norvezhskogo moriá i temperatura vozdukhá v Severo-Zapadnoi Evrazii. (Problemy Arktiki, 1940, no. 10, p. 5-8, table, fold. map) *Title tr.:* Thermal characteristics of the Norwegian Sea and air temperature in northern and western Eurasia.

Charts indicating the correlation between surface water temperature of the Norwegian Sea and the air temperature of 58 points in northern Eurasia and Greenland are presented and analyzed.

Copy seen: DLC.

6362. GUREVICH, T. Z. Lechenie tsyngi nastoikoí iz igl eli (Klinicheskaiá meditsína, 1935. T. 13, no. 3, p. 459-61) *Title tr.:* Treatment of scurvy by spruce needle infusion.

Discussion of results from this treatment and recommendation for its use, because of its therapeutic effect and the availability of spruce, widely distributed in northern regions.

Copy seen: NNN.

6363. GUR'ANOVA, EVGENIÁ F. Beiträge zur Amphipodenfauna des Karischen Meeres. (Zoologischer Anzeiger, Nov. 1936, Bd. 116, p. 145-52, illus.) *Title tr.:* Contributions to the Amphipoda of Kara Sea.

Based on material collected by the Sedov, 1934, descriptions of three new species, a list, with locations, of twenty-nine additional species new to Kara Sea, and remarks on the presence there of eight North Atlantic forms.

Copy seen: DSI-M.

6364. GUR'ANOVA, EVGENIÁ F. Beiträge zur Fauna der Crustacea-Malacostraca des arktischen Gebietes. (Zoologischer Anzeiger, Feb. 1930. Bd. 86, p. 231-48, illus.) *Title tr.:* Contributions to the Crustacea-Malacostraca of the arctic regions.

Based on collections of the Berlin Zoological Museum, the Institute for the Exploration of the North and the State Hydrological Institute in Leningrad. Descriptions of five new species of isopods from Greenland Sea and Svalbard waters, and discussion of the distribution, in all arctic seas and the

brackish or fresh waters of the Asiatic Arctic, of three other species; descriptions and distribution of seven (including three new) species of Amphipoda of arctic seas.

Copy seen: DSI-M.

6365. GUR'ANOVA, EVGENIÁ F. Beiträge zur Kenntnis der Isopodenfauna des Pazifischen Ozeans. IV. Neue Isopodenarten aus dem Japanischen und Beringmeer. (Zoologischer Anzeiger, Juni 1936. Bd. 114, p. 250-65, illus.) *Title tr.:* Contributions to knowledge of the Isopoda of the Pacific Ocean. 4. New isopods of the Japan and Bering Seas.

Contains descriptions of five new species, only one of which was taken in Bering Sea; a list of all species known to occur in the Okhotsk and Bering Seas, and a discussion distinguishing between the arctic Kamchatka province and the Aleutian province.

Copy seen: DSI-M.

6366. GUR'ANOVA, EVGENIÁ F. Biotšenz laminarii Kol'skogo zaliva. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1924. T. 53, vyp. 2, p. 139-72, illus.) *Title tr.:* Laminaria biocoenose at Kola Fiord.

Contains a study of the biocoenose of Laminaria overgrowth in Kola Bay, including some notes on *L. stenophylla*, *L. saccharina* and *L. digitata* and sixteen other algae, also data on faunal population of the stays and rhizoids of these Laminaria and a list of one hundred seventy-one species of various marine animals: the Crustacea determined by the author; Mollusca by K. M. Deriugin; Spongia by P. D. Rezvyi; Polychaeta by I. G. Zaks, Nemertini by P. V. Ushakov; Bryozoa by G. A. Klugge; Nematoda by I. N. Filip'ev; Algae by E. S. Zinova; periodical changes and ontogeny of the biocoenose are discussed. Summary in English.

Copy seen: MH-Z.

6367. GUR'ANOVA, EVGENIÁ F. Fauna "Dvorov" Kol'skogo zaliva. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1925. T. 54, vyp. 1, p. 17-46, illus.) *Title tr.:* Fauna of "Dvory" of Kola Bay.

Contains results of the study of marine fauna of four "dvory" (small inlets) of Kola Bay, investigated in the summers of 1921-23 by a group of students (including the author) un-

der direction of Prof. K. M. Deržugin; includes data on littoral and sublittoral distribution of marine fauna and a systematic list of one hundred seventy-six marine animals, determined by K. M. Deržugin, the author and some other specialists. Summary in German.

Copy seen: MH-Z.

6368. GUR'ANOVA, EVGENIJA F. K faune Amphipoda Barentsova moria. (*In*: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1928. Vyp. 37, p. 43-54) **Title tr.:** Contribution to the fauna of amphipoda in the Barents Sea.

Results of a study of these crustaceans collected in 1921-24, by the Northern Scientific and Economic Expedition, 1920-1926, listing twenty-eight species, with data on their locations and distribution. Summary in English.

Copy seen: DLC.

6369. GUR'ANOVA, EVGENIJA F. K faune Amphipoda i Isopoda Vostochnogo Murmana (raion guby Porchnikhi). (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1931. Vyp. 48, t. 1, p. 196-204) **Title tr.:** Contribution to the knowledge of amphipods and isopods of eastern Murman (Porchnikha Bay region).

A study of crustaceans inhabiting the waters of, and near Porchnikha Bay (Barents Sea coast about 69°N. 36°E.), listing forty-one species of amphipods and eight species of isopods, with some notes on habitats and distribution in other seas. Summary in German.

Copy seen: DLC.

6370. GUR'ANOVA, EVGENIJA F. K faune Crustacea-Malacostraca arkticheskoi oblasti. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 33, p. 31-44, illus.) **Title tr.:** Contribution to the fauna of Crustacea-Malacostraca of the arctic region.

A study of material collected during the voyages of ice-breakers *Sibiriakov* and *Rusanov*, 1932, and of the ships *Taimyr* and *Vaigach*, 1911-13, in Kara, Laptev and Chukchi Seas; with lists of species (including description of four new species) and locations. Summary in English.

Copy seen: DLC.

6371. GUR'ANOVA, EVGENIJA F. K faune Crustacea-Malacostraca Barentsova, Belogo i Karskogo morei. (Leningradskoe obshchestvo estestvo-

spytatelei. Trudy, 1929. T. 59, vyp. 1, p. 29-46, illus.) **Title tr.:** On the fauna of Crustacea-Malacostraca of the Barents Sea, White Sea and Kara Sea.

Contains a list of thirty-seven species of crustaceans (Isopoda and Amphipoda) of the Barents, White and Kara Seas, and an enumeration, with critical notes and data on distribution in arctic regions. Summary in English.

Copy seen: DLC.

6372. GUR'ANOVA, EVGENIJA F. and others. K faune estuarii Murmanskogo poberezh'ia. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1926. T. 56, vyp. 2, p. 79-96, illus. diags.) *Other authors:* I. Zaks and P. Ushakov. **Title tr.:** A contribution to the fauna of the estuaries of the Murman coast.

Contains a study of the plankton of the river estuaries along the Murman coast, in Kola Bay and Cheshkaya Bay (Indiga River); with lists of plankton animals and Algae, and a study of the salinity of water in various bays and river estuaries. Summary in German.

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6373. GUR'ANOVA, EVGENIJA F. K faune Kol'skogo zaliva, Barentsova, Karskogo i Belogo morei i Novoi Zemli. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1927. T. 57, vyp. 1, p. 23-38, illus.) **Title tr.:** To the fauna of the Kola-Fjord, Barents Sea, White Sea, Kara Sea and Novaya Zemlya.

Contains critical notes on certain marine fauna (mainly Mollusca and Crustacea) collected 1921-26, and determined as new to the European arctic waters in which they were found. Includes thirteen molluscs, eleven crustaceans and nine worms, new to the fauna of Kola Bay; five molluscs and five crustaceans, Barents Sea; two molluscs and two crustaceans, White Sea; and five molluscs and five other marine fauna from Kara Sea and Novaya Zemlya waters; bibliography (36 items). Summary in English.

Copy seen: DLC.

6374. GUR'ANOVA, EVGENIJA F. K voprosu o sostave i raspredelenii bentosa Cheshskoi guby. (*In*: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. *Its* Trudy, 1929. Vyp. 43. Chast' 2: Ekspeditshiia v Cheshskuiu gubu 1925-1926 gg., p. 58-100, illus., diagr.) **Title tr.:** Contribu-

tion to the question of the distribution of benthos in the Cheshskaya Bay.

A study based on observations of the Cheshskaya Bay Expedition, 1925-26, describing the benthos fauna of the region, its relation to conditions peculiar to the bay and distribution in other seas. Bibliography, p. 96-98. Summary in English.

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6375. GUR'ANOVA, EVGENIYA F., and others. Litoral' Kol'skogo zaliva. Chast' 1. Opisanie osnovnykh ploshchadok litorali. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1928. T. 58, vyp. 2, p. 89-140, illus., 2 plates, map) Other authors: Ivan Zaks and P. Ushakov. *Title tr.:* The Kola Bay littoral. Part 1. Description of standard areas of the littoral.

Contains results of a five-year study, 1921-25, of the biology of the littoral region of Kola Bay, Barents Sea, by a group of young scientists, working at the Murmansk Biological Station, under direction of Prof. K. M. Derzhin. Includes brief data on the hydrology of the region (temperature, salinity, substratum, etc.); flora and fauna of various facies (cliffs, sandy coasts, rocks, slimy sands, etc.); description of biocoenoses, lists of algae and marine fauna, determined by various specialists; and data on vertical distribution. Parts 2 - 3 not located.

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6376. GUR'ANOVA, EVGENIYA F. Die marinen Isopoden der Arktis. (*In:* Fauna arctica, 1933. Bd. 6, p. 391-470, sketch charts, tables) *Title tr.:* Marine Isopoda of the Arctic.

Contains definition of the southern limits: Newfoundland to North Cape, Norway, thence across the arctic seas to Bering Strait, Beaufort Sea and Canadian Arctic Islands waters. Classified list, with key, synonyms, references, distribution, and some descriptive notes, of one hundred eighty-two species of these crustaceans. A zoogeographic discussion of Barents, White, Kara, Laptev, East Siberian and Beaufort Seas, Baffin Bay, Davis Strait, Norwegian and Greenland Seas.

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6377. GUR'ANOVA, EVGENIYA F. Neue Beiträge zur Fauna der Crustacea-Malacostraca des arktischen Gebietes. (Zoologischer Anzeiger, März

1936. Bd. 113, p. 245-55, illus.) *Title tr.:* New contributions to the Crustacea-Malacostraca of the arctic regions.

Contains an annotated list, with localities, of fifteen (including with descriptions, five new) species of Amphipoda from Eurasian arctic seas.

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6378. GUR'ANOVA, EVGENIYA F. Neue Formen arktischer Isopoden und Amphipoden. (Zoologischer Anzeiger, Mai 1929, Bd. 81, p. 309-317, illus.) *Title tr.:* New forms of arctic Isopoda and Amphipoda.

Contains descriptions of one new species and one new variety of isopods and six new species of amphipods from Eurasian arctic seas.

Copy seen: DSI-M.

6379. GUR'ANOVA, EVGENIYA F. Neue Formen von Amphipoden des Karischen Meeres. (Zoologischer Anzeiger, Nov. 1934. Bd. 108, p. 122-30) *Title tr.:* New forms of Amphipoda from Kara Sea.

Descriptions of six new species, collected by routine ice-breaker expeditions, 1930-32.

Copy seen: DSI-M.

6380. GUR'ANOVA, EVGENIYA F. Novye vidy Isopoda i Amphipoda iz Severnogo Ledovitogo okeana. (*In:* Dreifußschwürme ekspeditsiia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 272-97, illus.) *Title tr.:* New species of Isopoda and Amphipoda from the Arctic Ocean.

Description of twenty-five new species of these crustaceans collected by the ice-breaker *Sadko* in 1935 and 1937. Stations list shows locations and depths. Summary in English.

Copy seen: DLC.

6381. GUR'ANOVA, EVGENIYA F. Zoogeograficheskiy ocherk fauny Isopoda Arktiki. (Arctica, 1934. No. 2, p. 127-52, maps) *Title tr.:* Zoogeographical study of the arctic isopods.

A study of the distribution of 182 species of isopods in the Arctic Ocean, with lists and discussion of their occurrence in Barents, White, Kara, Laptev, East Siberian, Chukchi, and Beaufort Seas, Baffin Bay, Davis and Denmark Strait, and Norwegian and Greenland Seas. Summary in English.

Copy seen: DLC.

6382. GUR'ANOVA, EVGENIYA F. Zur Amphipodenfauna des Karischen Meeres. (Zoologischer Anzeiger, Juli 1933. Bd. 103, p. 119-28, illus.) *Title tr.*: Amphipoda of the Kara Sea.

Based on collections of the Russian Hydrological Institute vessel *Rusanov*, in the summer of 1931; descriptions of seven new species and one new subspecies. *Copy seen*: DSI-M.

GUR'ANOVA, EVGENIYA F., *see also* Deriugin, K. M., & E. F. Gur'anova. Novye vidy molluskov. 1926.

GUR'ANOVA, EVPRAKSIA F., *see* under former form of name: GUR'ANOVA, EVGENIYA F.

6383. GURVICH, G. S. Donnoe nase-
lenie pastbishch treski Novozemel'skogo
promyslovogo raiona. (Leningrad. Vse-
soiuznyi arkticheskii institut. Trudy,
1937. T. 100, p. 77-91) *Title tr.*: Bot-
tom population of the codfish feeding
grounds of the Novaya Zemlya fishing
regions.

Lists, with localities and some dis-
cussion, of marine flora and fauna,
based on investigations at eight sta-
tions along the western coast of No-
vaya Zemlya investigated during the
Novaya Zemlya Expedition of the Ar-
ctic Institute, U.S.S.R., 1936. Bibliog-
raphy (15 items).

Copy seen: DLC; DSI-M.

6384. GURVICH, G. S. Materialy k
izucheniiu fauny guby Porchnikhi.
(Leningrad. Nauchno-issledovatel'skii
institut po izucheniiu Severa. Trudy,
1931. Vyp. 48, t. 1, p. 175-95, illus.,
diags.) *Title tr.*: Contributions to the
investigation of the fauna in Porch-
nikha Bay.

Results of studies made by several
persons working for the Leningrad In-
stitute for the Exploration of the
North, 1927-28, containing a descrip-
tion of Porchnikha Bay and its fauna,
and a list of species determined. Sum-
mary in German. *Copy seen*: DLC.

6385. GURVICH, G. S. Treska u bere-
gov Novoi Zemli v 1929 i 1930 gg.
(Leningrad. Vsesoiuznyi nauchno-issle-
dovatel'skii institut ozernogo i rechnogo
rybnogo khozaistva. Izvestiia, 1932. T.
13, vyp. 2, p. 101-111) *Title tr.*: The
Nova Zembla cod in 1929 and 1930.

Observations on the occurrence of
cod in western Novaya Zemlya waters,

with some biometric data and results
of analyses of contents of three hun-
dred fifty-four codfish stomachs.

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6386. GURVICH, I. Piat' let etnogra-
ficheskoi raboty v Olenekskom raione
Yakutskoi ASSR. (Sovetskaiia etnogra-
fiia, 1947, vyp. 1, p. 210-11) *Title tr.*:
Five years of ethnographical work
in the Olenek region of the Yakut
A.S.S.R.

Contains a preliminary report on five
years of ethnographical work in the Ya-
kut region, during which the author cov-
ered more than 2200 kilometers. It was
established that the official term
"Vilyui Tungus" is misleading as it
applies at present to a group of Yakuts
who are nomadic reindeer breeders.
Data are given on the native economy,
reindeer breeding, hunting methods, as
well as some facts about social organi-
zation and religion.

Copy seen: NN.

6387. GUSEV, A. I. Bulunskii ugle-
nosnyi raion Yakutskoi ASSR. (Lening-
rad. Vsesoiuznyi arkticheskii institut.
Trudy, 1936. T. 59, p. 7-46, illus., 3
plates, diags.) *Title tr.*: The Bulun
coal-bearing district of Yakutia.

A description of Bulun coal deposit
in Yakut A.S.S.R. (region of 70°40'N.
127°12'E.) and the petrographic char-
acteristics and chemical composition of
its products, with a short discussion on
their economic value. Summary in
English.

Copy seen: DLC.

6388. GUSEV, A. I. Novye dannye po
stratigrafii ughlenosnykh otlozhenii Len-
skogo basseina. (Problemy Arktiki,
1940, no. 7-8, p. 64-70, table) *Title tr.*:
New data on the stratigraphy of Car-
boniferous deposits of the Lena River
basin.

Based on data from the Olenek Ex-
pedition in 1939 and the literature.
Table shows chemical composition of
coal from several deposits in the region.

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6389. GUSEV, A. I. Ostrov Mostakh.
(Sovetskaiia Arktika, 1936, no. 2, p.
70-71) *Title tr.*: Mostakh Island.

Description of this island (about
71°30'N. 130°E., 40 km. east of Tiksi
polar station) as a suitable place for
hydrometeorological observations; in-
cludes note of the island's geomorphol-
ogy, and offshore ice conditions; results

of the author's observations during a ten-day sojourn there in Dec. 1934.

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6390. GUSEV, A. I. Posletretichnaya istoriya severnoi chasti Kharaulakhskogo khrebt. (Vsesoyuznoe geograficheskoe obshchestvo. Izvestiya, 1938. T. 70, vyp. 2, p. 151-65, illus., map, diagr.) *Title tr.:* Post-Tertiary history of the northern part of the Kharaulakh Range.

A description of the formations down to 71°20'N. and a discussion of the underground ice and the geologic processes typical of the region. Bibliography, p. 164-65. *Copy seen:* DLC.

6391. GUSEV, A. I. Tetragonal'nye grunty v arkticheskoi tundre. (Vsesoyuznoe geograficheskoe obshchestvo. Izvestiya, 1938. T. 70, vyp. 3, p. 377-85, illus., diagr.) *Title tr.:* Tetragonal ground of the arctic tundra.

"Characteristics and formation of the rectangular blocks into which the ground separates." — Geological Society of America. Bibliography and index of geology. *Copy seen:* DLC.

6392. GUSEV, A. I., and S. S. FLEISHMAN. Geologiya i poleznye iskopaemye severnoi okonechnosti Kharaulakhskogo khrebt. (Leningrad. Vsesoyuznyi arkticheskii institut. Trudy, 1938. T. 99, p. 57-124, illus., fold. map) *Title tr.:* Geology and minerals of the northern extremity of the Kharaulakh Range.

Review of the relief, geological structure, occurrences of coal, building materials, peat, mention of permafrost; based on geological investigations made by the authors in 1934-35, in the area 71°20'-72°35'N. and 126°40'-130°10'E. Bibliography (41 items). Summary in English. *Copy seen:* DSI-M.

GUSEV, A. I., *see also* Anikeev, N. P., & A. I. Gusev. Geologicheskii ocherk yugo-zapadnoi chasti Taïmyrskogo p-va. 1939.

GUSEV, A. I., *see also* Chernyshev, B. B. Siluriiskie i nizhnedevonskie korally r. Tareï. 1941.

GUSEV, A. I., *see also* Men'shikov, N. A., & A. I. Gusev. Predvaritel'nye svedeniya o Ust'kolymskoi èksped. 1937.

6393. GUSEVA, Z. I. O sostoiánii olenovodcheskogo khozaistva v kapitalisti-

cheskikh stranakh. (Sovetskoe olenovodstvo, 1934. Vyp. 4, p. 257-83) *Title tr.:* Reindeer husbandry in the capitalist countries.

Covers Alaska, Canada, Norway, Sweden, Finland. *Copy seen:* CaOA.

6394. GUSSAKOVSKII, V. Verzeichnis der von Herrn Dr. R. Malaise im Ussuri und Kamtschatka gesammelten aculeaten Hymenopteren. [Stockholm, 1932] 66 p. (Arkiv för zoologi. Bd. 24A, no. 10) *Title tr.:* Catalog of the aculeate Hymenoptera collected by Dr. R. Malaise in Ussuri and Kamchatka.

Of this annotated list of one hundred fifty-four species, seventeen are found on Kamchatka Peninsula.

Copy seen: DSI-M.

GUSSAKOVSKII, V., *see also* Sjostedt, Y., & others. Entomologische Ergebnisse Kamtschatka-Exped. 37. Abschluss. 1935.

6395. GUSTAFSON, GUNNAR. Polychaeta and Sipunculoidea from the Siberian Arctic Ocean. Bergen, John Grieg, 1936. 12 p. (Maud Expedition, 1918-1925. Scientific reports, v. 5, no. 17)

List, with localities, notes on distribution and remarks, of twenty-four species of annelid worms collected in the Chukchi, East Siberian and Laptev Seas; with list of stations; bibliography (18 items).

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GUSTAFSSON, ALFRED A., *see* Bonsdorff, I., & A. A. Gustafsson. Valtakunnan Rayankäynti Petsamossa. 1927.

6396. GUTENBERG, BENO, 1889-. Changes in sea level, postglacial uplift, and mobility of the earth's interior. (Geological Society of America. Bulletin, May 1941. v. 52, p. 721-72, tables (part fold.) diagrs.)

Includes remarks on the uplift of the Hudson Bay region, based on tide-gauge records at Churchill, 1928-39, p. 747-50. A criticism of the author's conclusions is contained in: Cook, H. C., and B. Gutenberg. Is the land around Hudson Bay at present rising? 1942, q.v.

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6397. GUTERMAN, I. G. Osobennosti stroeniia atmosfery nad poliarnymi oblastiami. Leningrad, Izd-vo Glavsevmorputi, 1938. 79 p. tables, diagrs. (Leningrad. Vsesoyuznyi arkticheskii

institut. Trudy. T. 122) *Title tr.*: Peculiarities of atmospheric structure over polar regions.

The monthly and seasonal vertical distribution of free air temperature and pressure over Franz Josef Land have been determined by the results of 221 aerological ascents at Calm Bay (Tikhaya Bukhta) during 1932-35. The characteristics of inversions, air masses, and tropopause level are discussed and exemplified tabularly and graphically.

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6398. GUTERMAN, I. G. Temperaturnye usloviâ po vertikali nad Zemlei Frantsa Iosifa. (Meteorologîiâ i gidrologîiâ, 1938, no. 6, p. 56-65, diagrs.) *Title tr.*: Vertical temperature conditions above the Franz Josef Land.

The vertical distribution of the free air temperature over Franz Josef Land is based on the results of 178 aerological soundings at Tikhaya Bukhta prior to Nov. 1935. Review and summary published as author's *Thermal structure up to 20 kilometers over Franz Josef Land*, 1938, q.v.

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6399. GUTERMAN, I. G. The thermal structure up to 20 kilometers over Franz Joseph Land (American Meteorological Society. Bulletin, Dec. 1938, p. 433-36, tables, chart) Review and summary of the author's *Temperaturnye usloviâ po vertikali nad zemli Frantsa Iosifa*, 1938, q.v.

Temperature characteristics such as lapse rates, inversion heights, interdiurnal changes, height and temperature of tropopause etc., are tabulated on the basis of aerological soundings at Tikhaya Bukhta during 1932-1935.

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6400. GUTHRIE, JOHN DENNETT, 1878- . Alaska's interior forests. (Journal of forestry, Apr. 1922, v. 20, p. 363-73) Notes based on a month's trip in 1920, and references to government publications.

Contains brief discussion of the extent, species, growth and stand, present use, future use, possibility of forest industries for export, reforestation and fire protection, and the need for government participation in protection and administration of forests.

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6401. GUTHRIE, JOHN DENNETT, 1878- . Some notes on the forests of

northern Russia. (Journal of forestry, Feb. 1924, v. 22, p. 197-204) "Based largely on notes and observations made during three months in Archangel in 1919."

Brief notes on the area from the Ural Mts. westward, around the White Sea and Kola Peninsula: the topography, physical features, climate, composition of the forest, exploitation, government restrictions, and forest fires, with a description of an Archangel sawmill.

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6402. GUTKOVA, N. N. Apatity Khibinskikh tundr. (Akademiâ nauk SSSR. Bulletin, jan.-mars, 1925. Sér. 6, t. 19, p. 123-32, tables) *Title tr.*: Apatites of the Khibina Tundras.

Description of localities and associations, and chemical analysis of specimens brought back by the Fersman Expedition of 1920-23, mainly from the central part of Khibiny Mts.

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6403. GUTKOVA, N. N. Dolomity s reki Varzugi. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriiâ Kol'skaia, vyp. 2: Materialy po petrografii i geokhimii Kol'skogo poluostrova, chast' 1, p. 115-20, fold. map) *Title tr.*: Dolomites from the Varzuga River.

A petrological description of dolomites made on the basis of the author's exploration in 1931, on the Varzuga River which flows south through Kola Peninsula into the White Sea at about 66°20'N. 37°E.

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6404. GUTKOVA, N. N. K mineralogii gory Iukspor (Khibinskie tundry). (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1934. Seriiâ kol'skaia, vyp. 8: Materialy po petrografii i geokhimii Kol'skogo poluostrova, chast' 5, p. 7-108, illus., tables, fold. map) *Title tr.*: The mineralogy of Yukspor Mountain (Khibina Tundra).

A mineralogical study of material obtained for the Academy of Sciences U.S.S.R. from this mountain in southwest part of Khibiny, Kola Peninsula (about 67°N. 32°E.); results of analyses and a list of minerals with locations indicated on a map, 1:50,000.

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6405. GUTKOVA, N. N. Otchet o rabotakh kolvitskogo otrîada. (In: Khibin-

skie apatity, 1932. T. 2, p. 378-80) *Title tr.*: Account of the work of the Kolviša survey party.

General description of the Lake Kolvitskoye region (about 67°03'N. 33°30'E.) in Kola Peninsula, based on investigations of the geographical section of the Kola Expedition in 1930.

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6406. GUTKOVA, N. N. Zona lovchorritovykh i rinkolitovykh mestorozhdenii Khibinskikh tundr. (*In*: Khibinskie apatity, 1933. T. 5, p. 60-69, tables, map) *Title tr.*: The lovchorrite and rinkolite deposits in Khibina Tundra.

Mineralogical characteristics of lovchorrite and rinkolite; different types of lovchorrite and rinkolite deposits and their mineral contents, with map showing zones of occurrence. Author stresses importance of more thorough investigation of these zones.

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6407. GUTKOVA, N. N., and M. E. VLADIMIROVA. Otchet o mineralogicheskoi s'emke Ĭuksporskogo massiva. (*In*: Khibinskie apatity, 1932. T. 2, p. 417-21, map) *Title tr.*: Report on the mineralogical survey of the Yukspor massif.

Results of the mineralogical survey of the Kola Expedition in 1930. Brief petrographic description of the region in connection with its mineralogical and geochemical characteristics. List of minerals (p. 420) found in Gakman Valley (Yukspor massif).

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GUTKOVA, N. N., *see also* Fersman, A. E., & others. Opisanie mestorozhdenii Khibinskikh tundr. 1928.

GUTKOVA, N. N., *see also* Fersman, A. E., & others. Sulfidnye mestorozhdeniia Moncha-guby. 1932.

6408. GUTNER, LIDIJA SOLOMONOVNA, 1903- . Materialy k monografii roda *Cytospora*. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Ser. 2, Sporovye rasteniia, 1935, vyp. 2, p. 411-84, illus.) *Title tr.*: Materials for a monograph on the genus *Cytospora*.

Contains a key to eleven genera of imperfect fungi related to gen. *Cytospora*, description of that genus and about sixty-five new diagnoses of its species, including a few native in arc-

tic regions, with synonymy, critical notes and data on general distribution; bibliography of non-Russian works p. 478-80 and index of *Cytospora* species, and host plants. Summary in German.

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6409. GUYADER, P. L. Extract from a report of a voyage to Greenland. (Hydrographic revue, 1930. v. 7, no. 1, p. 51-56, sketch chart)

The commander of the French Naval Reserve hospital ship *Sainte Jeanne d'Arc*, gives an account of the voyage in July, 1929 from Belie Isle Strait to Fylla Bank, off Greenland's west coast at 64°N. Includes notes on bathymetry, ice, air temperatures, and compass variation problems.

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6410. GWILLIM, JOHN COLE. A partial bibliography of publications referring [sic] to the geology and mineral industry of Alberta, British Columbia and the Yukon. (Canadian Institute of Mining and Metallurgy. Transactions, 1908. v. 11, p. 433-44)

Published also in Canadian mining journal, 1908. v. 29, p. 210-11, 242-43.

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6411. GYELNIK, V. *Alectoria* Studien. (Nytt magasin for naturvidenskapene, 1931. Bd. 70, p. 35-62) *Title tr.*: *Alectoria* studies.

Contains a critical revision of European species of lichen genus *Alectoria*, with a key to twenty-nine species and numerous varieties and forms, including some native to arctic Scandinavia, European U.S.S.R. and Greenland, with synonymy, Latin descriptions of fifteen new species, critical notes, citation of specimens, and data on chemical reactions and geographic distribution.

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6412. GYELNIK, V. Lichenes nonnullii novi criticique. (Nytt magasin for naturvidenskapene, 1930. Bd. 68, p. 269-70) *Title tr.*: Some new critical lichens.

Contains Latin descriptions of five new species and forms of lichens, including *Peltigera subscutata* var. *spitsbergensis* n. var. from Bell Sound, West Spitsbergen.

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6413. GYELNIK, V. Eine neue *Peltigera*-Art aus Kola-Lappland. (Societas pro fauna et flora fennica. Memoranda,

1930-31, *pub.* 1931. v. 7, p. 143-45, *illus.*) *Title tr.*: A new *Peltigera* species from Kola Lapland.

Contains Latin diagnosis of *Peltigera ponojensis* n. sp. described from a specimen, collected by A. O. Kihlman (A. O. Kairamo) in 1889, near Cape Orlov, Kola Peninsula.

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6414. GYLLENCREUTZ, RICHARD HENRIK ALBERT, 1850- . Observations faites au cap Thorsden, Spitzberg, par l'expédition suédoise. Recherches sur le prétendu changement de la couleur de la peau après un hivernage dans les régions polaires. Stockholm, 1887. p. l, 27 p. incl. tables (International Polar Year. 1st, 1882-1883. Svenska expeditionen till Spetsbergen. Observations faites au cap Thorsden, Spitzberg. T. 2:4) *Title tr.*: Observations made at Cape Thorsden, Spitsbergen, by the Swedish Expedition. Research on the supposed change of skin color after wintering in polar regions.

The physician for the expedition examined the various members' color sense and blood pigment before, during and after the polar night, and reports his data, with discussion. One member remained in obscurity (or artificial light) for many days, while the others did not.

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GYLLENCREUTZ, RICHARD HENRIK ALBERT, 1850- , *see also* Ekholm, N. G. Observ. faites au cap Thorsden. Introd. historique. 1887.

6415. GYÖRFFY, I. Über das *Pleurozygodon sibiricum* Arnell. Uppsala & Stockholm, Almqvist & Wiksell, 1915. 3 p. plate (Arkiv för botanik, 1915-1917, *pub.* 1915. Bd. 14, no. 2) *Title tr.*: On *Pleurozygodon sibiricum* Arnell.

Contains critical notes on *Pleurozygodon sibiricum* Arnell, a moss from the lower Yenisey River region, reduced by the author to a synonym of *Molendoa sendtneriana*. The original description appears in Arnell, H. W. Zur Moosflora des Lena-Tales, 1913, q.v.

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H., Y., Commandante, *see* "Norge" al Polo Nord. 1926.

6416. HAACK, R. Zu der Abhandlung "Totwasser". (Annalen der Hydrographie und maritimen Meteorologie, März, 1904. Jahrg. 32, p. 128) *Title tr.*:

On the article on "dead water".

In answer to H. Meyer's paper *Totwasser*, 1904, q.v., Haack discusses the physics of the phenomenon of "dead water", originally investigated by Nansen and V. W. Ekman: the inability of ships to make headway or steerage in an area where a layer of fresh water overlays a dense part of the sea.

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HÅKANSSON, S. MARC, *see* Ahrenius, S., & S. M. Håkansson. Lefnadsteckningar (Andrée exped.). 1906.

6417. HAAN, LOURENS FEYKES. Beschryving van de straat Davids, benevens des zelve inwooners, zede, gestalte, en gewoonte, misgaders hunne visvangst, en andere handelingen. Als mede een kort en beknopt verhaal van de westkust van de zelfde straat, of anders Noord Amerika. Door L. Feykes Haan. Amsterdam, G. van Keulen, 1720. 40 p. *Title tr.*: Description of the Davis Strait [region] and its inhabitants, their manners, physique, customs, as well as their fisheries and other activities. Also a short and succinct account of the west coast of the same strait, otherwise North America.

Modern translation in Danish *Beskrivelse af Straat Davids*, 1914, q.v.

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6418. HAAN, LOURENS FEYKES. Beschryving van de straat Davids, van de Zuydby, tot om het eyland Disko. Als meede van de z. o. bogt tot door het Waygat. Amsterdam, G. van Keulen, 1719. 14 p. *Title tr.*: Description of Davis Strait from South Bay up to the Island of Disko, as well as from the southeast inlet up to the Vaigat.

Modern Danish paper, based on this work, was published as: L. T. A. Bobé, *Lourens Feykes Haans kursforskrifter*, 1915, q.v.

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6419. HAAN, LOURENS FEYKES. Beskrivelse af Straat Davids tilligemed sammes indvaaneres saeder, skikkelse og vaner, som ogsaa deres fiskefangst og andre handlinger. (Grønlandske selskab. Aarskrift, 1914. p. 63-88) *Title tr.*: Description of Davis Strait together with the habits, appearance and customs of the inhabitants, as well as their fishing and other means of livelihood.

Translated from the Dutch original, *Beschryving van de straat Davids*...

Amsterdam, 1720 (copy in DLC), with an introduction by Louis Bobé.

Contains an account of the discovery of Greenland by Erik the Red, its colonization by Norsemen, notes on geography, vegetation, soil, ethnography, huts, tents, whaling, sealing, hunting, fishing, kayaks, domestic and tribal life, wildlife, commerce, character and language, etc. *Copy seen:* NN.

HAAN, LOURENS FEYKES, *see also* Bobé, L. T. A. Lourens Feykes Haans kursforskrifter 1719. 1915.

6420. HAANSHUS, K. Lepidopteren. Bergen, John Grieg, 1933. 1 p. (*Maud Expedition, 1918-1925. Scientific results, v. 5, no. 16c*)

Remarks on a species of butterfly collected in the East Siberian Sea.

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6421. HAARLOV, NIELS, 1919- . A morphologic-systematic-ecological investigation of Acarina and other representatives of the microfauna of the soil around Mørkefjord, northeast Greenland. København, C. A. Reitzel, 1942. 71, [1] p. illus., 3 plates. (Meddelelser om Grønland. Bd. 128, nr. 1)

Results of the Danish Northeast Greenland Expedition, 1938-39, investigations carried out at 76°56'N. 20°18' W., Aug. 1939 to May 1940, the first of three winterings subsequent to the return of the main expedition. Description of methods and the different type localities studied (*Cassiope heath*; various meadows, etc.), a systematic, annotated list of thirty-four (including with descriptions, two new) species of mites, and twenty-three (one new) species of insects in the microfauna.

Discussion of vertical distribution of the microfauna in the soil; types of locality and wintering of the microfauna; with a bibliography (84 items).

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6422. HAATAJA, KYÖSTI. Questions juridiques surgies lors de la révision de la frontière finlandaise entre le Golfe de Bothnie et l'Océan Glacial. Helsingfors, Imprimerie du Gouvernement, 1927. 46 p. 9 maps. (Fennia, 49, no. 1) *Title tr.:* Legal questions arising during the revision of the Finland border from the Gulf of Bothnia to the Arctic Ocean.

Discussion of the Finnish border revision, 1925, with Norway and Sweden.

The author's views are criticized by

K. S. Klingenberg, in *Praktiske og juridiske spørsmål*, 1931, q.v.

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6423. HABERBOSCH, PAUL. Die Süsswasser-Entomostracen Grönlands; eine faunistische, oecologische und tiergeographische Studie. (Zeitschrift für Hydrologie, 1920. Jahrg. 1, p. 136-84, 245-349, 6 sketch maps) *Title tr.:* The fresh-water Entomostraca of Greenland; a study of the fauna, its ecology and zoogeography.

Comprehensive treatise bearing in general on faunal relationships to the ice age, and relating mainly to West Greenland.

Contains introductory material analyzing early literature on the subject. Characterization of the fresh-water lakes, pools and marshes, including their ice régime and water temperature, the air temperature and insolation. Notes on the forty-four species studied, defining their sources (collections made by Bachmann in 1908, the *Tjalfé* 1908, and Båbler, 1909), and distribution on east and west coasts of Greenland. Ecological notes on reproduction and wintering stages of each species, discussed in comparison with animal communities of other arctic regions, and in relation to Greenland habitats. Zoogeographic section comparing Greenlandic Entomostraca with forms in other arctic regions, discussing the possibility of survival through the ice age, or post-glacial occurrence; an ecological summary, and bibliography (120 items).

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HABERLANDT, MICHAEL, *see* Trebitsch, R. Bei Eskimos Westgrönland. 1906.

6424. HABERMEHL, H. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 31. Ichneumonidae. Subfam. Cryptinae, [Stockholm, 1930] 10 p. (Arkiv för zoologi. Bd. 21 A, no. 30) *Title tr.:* Entomological results of the Swedish Kamchatka Expedition, 1920-22. 31. Ichneumonidae. Subfam. Cryptinae.

List, with locations, of fifty-nine species of ichneumon flies, and descriptions of four new species.

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6425. HACHEY, HENRY BENEDICT, 1901-. Biological and oceanographic

conditions in Hudson Bay. 6. The general hydrography and hydrodynamics of the waters of the Hudson Bay region. (Canada. Biological Board. Contributions to Canadian biology, 1931. New ser., v. 7, p. 91-118, incl. tables, diagrs.)

Results of the Hudson Bay Fisheries Expedition, 1930, which located stations throughout the Bay, with three in Hudson Strait.

"The waters of Hudson Bay differ markedly from the waters of Hudson Strait and the waters of the open ocean. Intense stratification in the upper 25 metres, decreasing as the waters of the open ocean are approached, gives Hudson Bay the character of a large estuary. Below 50 metres the waters are for all purposes dynamically dead, thus resulting in a cold saline body of water which probably undergoes very little change from season to season. The movements of the waters at various levels are dealt with, to show that the inflow of waters from Fox Channel and the many freshwater drainage areas control the hydrographic conditions as found. The main water movement is from James Bay area to Hudson Strait and thence to the open ocean".—Author's abstract.

Illus., tables, etc.: Submarine topography, temperature, salinity, density at 0, 25, 50, 100, and 150 meters, with horizontal and vertical distribution; dynamical tendencies, stabilities, and calculated currents; with a bibliography (13 items).

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6426. HACHEY, HENRY BENEDICT, 1901-. Canadian interest in arctic oceanography. (Arctic, May 1949. v. 2, p. 28-35, illus., sketch chart)

Brief summary of arctic ice and the Labrador Current; influence of arctic and Atlantic waters on Hudson Bay. Includes a note on the Canadian Joint Committee on Oceanography (of which the author is chief oceanographer), and a bibliography (8 items).

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6427. HACHEY, HENRY BENEDICT, 1901-, and S. J. WALKER. Biological and oceanographic conditions in Hudson Bay. 2. Report on the Hudson Bay Fisheries Expedition of 1930. A. Open water investigations with the S.S. *Loubyrne*. B. Investigations at

Churchill, Manitoba. (Canada. Biological Board. Contributions to Canadian biology, 1931. New ser., v. 6, p. 463-74, incl. tables, sketch chart)

The Canadian Dept. of Fisheries expedition, July 26-Sept. 20, 1930, had as objectives: investigation of (1) the commercial fishery possibilities, and (2) the biological, physical, and chemical conditions of the waters in the Bay. H. B. Hachey gives here an account of the kind of work done, and the record of fishing operations. S. J. Walker describes the investigation of the Churchill River fishery.

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HACHEY, HENRY BENEDICT, 1901-, *see also* Bailey, W. B., & H. B. Hachey. Increasing Atlantic influence Hudson B. 1949.

HACHEY, HENRY BENEDICT, 1901-, *see also* Bailey, W. B., & H. B. Hachey. Vertical temperature structure Labrador Current. 1949.

HACKEL, İAKOV İAKOVLEVICH, *see* Gakkel', İakov İakovlevich.

6428. HACKMAN, VICTOR AXEL, 1866-. Das Gebiet der Alkaligesteine von Kuolajärvi in Nordfinnland. Helsinki-Helsingfors, Imprimerie de l'état, 1925. 62 p. 6 illus. (incl. map) plate, tables. (Finland. Geologiska kommissionen. Bull. 72) *Title tr.*: The basic rock region of Kuolajärvi in northern Finland.

A petrological study of the rocks in an area about six miles in diameter around Lake Vuorijärvi, with discussion of the relationships between the basic rocks and the granitic, metabasite, limestone, and mixed rocks of the area. Includes illustrations of microstructure of various types of rock. Bibliography (24 items).

Map, scale 1:130,000, sketches distribution of rock types in the Lake Vuorijärvi region. *Copy seen*: DLC.

6429. HACKMAN, VICTOR AXEL, 1866-. Studien über den Gesteinsaufbau der Kittilä-Lappmark. Helsinki-Helsingfors, 1927. 105, [1] p. 23 illus. (incl. map), 2 plates, fold. map, tables. (Finland. Geologiska kommissionen. Bull. 79) *Title tr.*: Studies of the rock structure of Kittilä-Lappmark.

Study of the distribution, structure, petrology, and stratigraphy of the

rocks of northern Finland from 67° to 68°N., and 24° to 27°E., based upon fieldwork in the summers of 1920, 22, and 24. Bibliography (43 items).

Map (fold.), scale 1:300,000, shows distribution of rock types in the area studied.

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HACKMAN, VICTOR AXEL, 1866-, see also Ramsay, W., & V. Hackman. Nephelinsyenitegebret Kola I-II. 1894-98.

6430. HADA, YOSHINE. The Tintinninea from the Sea of Okhotsk and its neighborhood. (Sapporo, Japan. Hokkaido Imperial University. Faculty of science. Journal, 1932. Ser. 6, Zoology, v. 2, p. 37-59, illus., sketch chart)

Contains a systematic, annotated list, with synonyms and references, of twenty-three (including with descriptions, seven new) species of these pelagic ciliates, from plankton hauls at sixteen stations, four of which were in the Kamchatka region; bibliography (25 items).

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6431. HADAČ, EMIL. Die Gefäßpflanzen des "Sassengebietes," Vestspitsbergen. Oslo, J. Dybwad, 1944. 71 [1] p. illus. (incl. maps) 14 plates on 7 l., diagr. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 87) *Title tr.:* The vascular plants of the "Sassen region", West Spitsbergen.

A list, with descriptions and locations (incl. maps) of one hundred twenty-four species, from the area lying between Advent Fiord and Sassen Fiord, with an index of genera, and a bibliography.

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6432. HADAČ, EMIL. The introduced flora of Spitsbergen. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse, 1941. Nr. 49, p. 13-16)

The author made a geobotanical study in 1939, visiting several inhabited places in West Spitsbergen where weeds were observed. He gives here a list of fifty-two adventive plants, representing those collected in 1939, together with all previously known species, and names the localities, among which various places in the Ice Fiord region predominate.

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6433. HADAČ, EMIL. Strandplanter og landhevning på Spitsbergen. (Blyttia, 1947. Bd. 5, p. 67-70, sketch map)

Title tr.: Seashore plants and uplift on Spitsbergen.

"The occurrence of typical seashore-species in the Advent Valley in western Spitsbergen, several miles from the coast, cannot be explained as the result of inward migration in recent time, but probably dates back to the final stage of the last ice age, when the receding ocean still covered the bottom of this valley".—Author's English summary.

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HADAČ, EMIL, see also Dahl, E., & E. Hadač. Bidrag til Spitsbergens flora. 1946.

HADAČ, EMIL, see also Hagen, A. Micromycetes from Vestspitsbergen. 1941.

HADAČ, EMIL, see also Lynge, B. A. Bidrag til Spitsbergens lavflora. 1940.

6434. HADDON, KATHLEEN. Artists in string; string figures: their regional distribution and social significance, by Kathleen Haddon (Mrs. O. H. T. Rishbeth). With a foreword by Professor J. L. Myres. With 82 diagrams. New York, E. P. Dutton & Co., Inc. [1930] x p. 1 l., 174 p., 1 l. illus.

Contents include chapter 2, The Alaskan Eskimo, p. 9-37.

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6435. HADLEY, JOHN R., d. 1918. Whaling off the Alaskan coast; from the journal of Jack Hadley of Point Barrow, Alaska. (American Geographical Society, N. Y. Bulletin, Dec. 1915. v. 47, p. 905-21 (incl. 7 p. of illus.) sketch map)

Adapted from the manuscript of an old-time whaler, "an interesting and valuable contribution to the history of the Alaskan whalery and of the participation of the Eskimos in it."—Footnote.

Contains an account of the ships lost in the ice of Beaufort Sea, of the brief boom period (1891-93) of Herschel Island, life on a whaling ship, Eskimos as whalers, and the adoption of the white man's methods by the natives.

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HADLEY, JOHN R., d. 1918, see also Stefansson, V. Friendly Arctic (Canad. Arctic Exped. 1913-18). 1921-1943.

HADLEY, JOHN R., d. 1918, see also Stefansson, V. Gostepriimnaia Arktika. 1935.

6436. HADWEN, ISAAC SEYMOUR, 1877- . The Canadian sledge dogs of the eastern and western Arctic. (Polar record, Jan. 1937. No. 13, p. 59-68, illus.)

The author, on the staff of the Ontario Research Foundation, gives information on purchasing dogs, driving and discipline, feeding, castration, managing dogs on the trail (harness and sledges), sore feet and boots for dogs, and clothing required for dog driving.

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6437. HADWEN, ISAAC SEYMOUR, 1877- . The Eskimo dogs of the eastern Arctic. (Beaver, June-Sept. 1935. Outfit 266, no. 1, p. 33-36, 66; no. 2, p. 37-40, illus.)

Based on observations made on dogs from James and Hudson Bay, Hudson Strait, and the eastern islands, during the Eastern Arctic Patrol of 1934. A characterization of the Eskimo dog, table of physical standards, discussion of food and feeding, care (especially of puppies) sanitation, parasites, dog driving, harness, and sleds.

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6438. HADWEN, ISAAC SEYMOUR, 1877- . A visit to the Mackenzie River delta. (Ontario Research Foundation. Bulletin, Dec. 1939. v. 6, no. 12, p. 1-4, illus.)

Report of a visit made at the request of the Northwest Territories Council, in the summer of 1939, to inspect the reindeer herd. Gives brief notes on diseases, parasites, increase and fertility of the herds, carrying capacity of the ranges, and the Eskimo herders.

Copy seen: DLC.

6439. HADWEN, ISAAC SEYMOUR, 1877- , and **L. J. PALMER.** Reindeer in Alaska. Washington, U. S. Govt. Print. Off., 1922. 74 p. 24 plates, sketch map, diags. (U. S. Dept. of Agriculture. Bulletin. no. 1089) Contribution from the Bureau of Biological Survey.

Study of the biology of reindeer, ownership and utilization (meat, skins, milk), grazing and range management, predatory enemies, injuries and diseases, and parasites; with a check-list of Alaskan range plants (grasses, weeds, ferns, mosses, lichens, and fungi).

Copy seen: DA.

6440. HAECKEL, E. Kalk- und Gallertsporgien. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870, pub. 1874. Bd. 2, p. 434-36) *Title tr.:* Calcareous and gelatinous sponges.

Descriptions of two calcareous sponges and mention of one soft species, from waters off East Greenland.

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6441. HÄGERSTRÖM, K. P. Bidrag till Torne Lappmarks och Ofotens flora. (Botaniska notiser, 1882, p. 65-98) *Title tr.:* Contributions to the flora of Torne Lappmark and Ofoten.

Contains itinerary of the author's (and Dr. Ekstrand's) trip to Torne Lappmark, Tornejarvi and Ofoten in summer 1880, a list of one hundred twenty-nine species of flowering plants and vascular cryptogams new to the flora of these regions, statistical table and descriptive notes on plants observed, with some data on habitat.

Copy seen: MH-A.

6442. HÄGG, RICHARD, 1877- . Mollusca und Brachiopoda gesammelt von der schwedischen zoologischen Polarexpedition nach Spitzbergen, dem nordöstlichen Grönland und Jan Mayen im J. 1900. I. Brachiopoda und Lamellibranchiata. II. Scaphopoda, Gastropoda, Placophora und zwei vorher nicht erwähnte Lamellibranchiata. Uppsala, Almqvist & Wiksell, 1905. 66, 136 p. 2 plates (Arkiv för zoologi. Bd. 2, and 13) *Title tr.:* Mollusca and Brachiopoda collected by the Swedish Zoological Expedition to Spitsbergen, northeast Greenland and Jan Mayen, 1900. I. Brachiopoda and Lamellibranchiata. II. Scaphopoda, Gastropoda, Placophora and two hitherto unreported Lamellibranchiata.

List, with synonymy, locations and remarks on the specimens, of one hundred species collected in Spitsbergen waters and Greenland Sea; with geographic and bathymetric distribution indicated.

Copy seen: DLC.

6443. HÄGG, RICHARD, 1877- . A new Tertiary fauna from Spitsbergen. (Uppsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1925. v. 20, p. 39-56, 4 plates)

A list, with descriptions and synonymy of fifteen species of fossil shells

from west of Coles Bay (south side of Ice Fiord) and nine species from three other localities on West Spitsbergen, with discussion of their age, geological climate and arctic correlations. Bibliography, p. 54-55.

Copy seen: DGS.

6444. HÄSSLER, ARNE. Till kännedomen om *Webera sessilis* utbredning i Sverige. (Botaniska notiser, 1924, häfte 2, p. 179-88, text map) *Title tr.:* A contribution to the knowledge of distribution of *Webera sessilis* in Sweden.

Contains data on the distribution of Webera sessilis, a leaved moss of southern origin, spreading through the mountainous regions into Nordland, Norway and northern Finland; bibliography (13 items). Summary in German.

Copy seen: MH-A.

HÄUPL, K., *see* Mathiesen, A. F., & others. Über den Speckfinger. 1935.

6445. HÄYRÉN, ERNST. Anmärkningsvärda växtfynd. (Societas pro fauna et flora fennica. Meddelanden, 1910-1911, pub. 1911. Häfte 37, p. 6-8) *Title tr.:* Noteworthy new plant localities.

Contains a report of the finding of Picea excelsa f. viminalis at Mustavaara, Kuusamo region of Finland, a new locality for this tree.

Copy seen: MH.

6446. HÄYRÉN, ERNST. Rön om *Siphula ceratites* i Petsamo. (Societas pro fauna et flora fennica. Memoranda, 1928-1929, pub. 1929. v. 5, p. 4-6, illus.) *Title tr.:* Observations on *Siphula ceratites* in Petsamo.

Contains botanical and ecological notes on Siphula ceratites (Wahlenb.) Fr., an alpine lichen, found in abundance in north Petsamo, Finnish Lapland, especially on the seashore. Summary in German.

Copy seen: MH-A.

6447. HÄYRÉN, ERNST. *Siphula ceratites* från Petsamo. (Societas pro fauna et flora fennica. Memoranda, 1927-28, pub. 1928. v. 4, p. 48-49) *Title tr.:* *Siphula ceratites* from Petsamo.

Contains a report of finding a lichen, Siphula ceratites, in three localities in Petsamo Fiord region, and data on the distribution in Kola Peninsula.

Copy seen: MH-A.

6448. HÄYRÉN, ERNST. Den supralitoralav havsstrandsvegetationen i Petsamo och dess övergång i supramarin vegetation. (Societas pro fauna et flora fennica. Memoranda, 1927-28, pub., 1928. v. 4, p. 99-100) *Title tr.:* The supralitoral seashore vegetation of Petsamo and its transition into supramarine vegetation.

Contains a general description of supralitoral and supramarine zones of seashore vegetation of Petsamo Fiord, their succession and notes on various plants.

Copy seen: MH-A.

HAGAR, STANSBURY, 1869- , *see* Fewkes, J. W., & others. Problems of unity & origin of American aborigines. 1912.

6449. HAGE, CONRAD OLAI, 1901- . Geological reconnaissance along lower Liard River, British Columbia, Yukon, and Northwest Territories. Ottawa, 1945. 1 p. l., 33 p. fold. map. (Canada. Geological Survey. Paper 45-22) Mimeographed.

Contains description of the physical features, the stratigraphic, structural, and economic geology, and notes on oil possibilities, coal and mineralization.

Map: blue-print geological map of the area 59°30'-61°30'N. 121°-124°20'W.

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HAGE, CONRAD OLAI, 1901- , *see also* Lord, C. S., & others. Cordilleran region. 1947.

HAGELBARGER, PAUL RAREY, *see* Sayre, J. D., & P. R. Hagelbarger. Study of temperatures Valley 10,000 Smokes. 1919.

6450. HAGEMANN, A. Saltdalens vertebratfauna. (Tromsø. Museum. Årshefter, 1883. Bd. 6, p. 45-71) *Title tr.:* Vertebrate fauna of Saltdalen.

Contains a brief characterization of the valley (67°06'N. 15°23'E.) and notes on the occurrence of twenty-four mammals, one hundred twenty-eight birds and four fishes.

Copy seen: DSI-M.

6451. HAGEMANN, G. On some minerals associated with the cryolite in Greenland. (American journal of science, July 1866. Ser. 2, v. 42, p. 93-94)

Copy seen: DLC.

6452. HAGEN, ASBJØRN. Micromycetes from Vestspitsbergen collected by

Dr. Emil Hadač in 1939. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse, 1941. Nr. 49, p. 1-11)

List, with localities, some descriptive notes, and hosts (for the parasitic species) of twenty-six fungi collected mostly in the "Sassen-quarter" of the Ice Fiord region. **Copy seen:** DGS.

6453. HAGEN, ASBJØRN. *Onygena equina* and *corvina* in Norway. (Nytt magasin for naturvidenskapene, 1943. Bd. 83, p. 83-99, illus.)

Contains notes on geographic distribution of two horn-destroying fungi, *Onygena equina* and *O. corvina*, the first native to Nordland and second found in Torne Lappmark, northern Sweden, on hoofs and horns of cattle; bibliography (18 items). Summary in Norwegian.

Copy seen: MH-A; MH-Z.

6454. HAGEN, INGEBRIGT SEVERIN, 1852-1917. The mosses and hepatics of Prince Charles Foreland, Spitsbergen. (Botanical Society of Edinburgh. Transactions, 1908. v. 23, p. 326-30)

List, with notes and discussion on mode of occurrence, of nineteen species of mosses (one new variety) and four species of liverworts, collected by Dr. W. S. Bruce, 1906-07; H. N. Dixon's *Supplementary note*, 1912, q.v., adds two more species. **Copy seen:** DLC.

6455. HAGEN, INGEBRIGT SEVERIN, 1852-1917. Notes bryologiques 1-20. (Nytt magasin for naturvidenskapene, 1900 pub. 1901. Bd. 38, hefte 4, p. 321-41)

Contains critical notes on twenty mosses with Latin descriptions of seven new species, including *Tetraplodon (Kraussella) paradoxus* from Chukotsk Peninsula and Yugorskiy Shar Strait (Novaya Zemlya), *Bryum foveolatum* found in East Greenland and *B. schleicheri* native to Finnmark, Norway.

Copy seen: MH-Z.

6456. HAGEN, INGEBRIGT SEVERIN, 1852-1917, and B. KAALAAS. Nogen nye norske bryophyter. (Nytt magasin for naturvidenskapene, 1913. Bd. 51, hefte 2-3, p. 245-48) **Title tr.:** Some new Norwegian bryophytes.

Contains critical notes on six mosses new to the bryological flora of Norway, including *Sphagnum vulpianum*, native to Finnmark.

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6457. HAGEN, INGEBRIGT SEVERIN, 1852-1917, and M. P. PORSILD. Descriptions de quelques espèces nouvelles de bryacées récoltées sur l'île de Disko. (Meddelelser om Grønland, 1904. 26. hefte, p. 435-65, plates x-xv) **Title tr.:** Descriptions of some new species of Bryaceae collected on Disko Island.

Descriptions, with localities, of nine species, of mosses collected during Steenstrup's Expedition to Disko, 1898.

Copy seen: DLC.

HAGEN, INGEBRIGT SEVERIN, 1852-1917, see also Jensen, C. E. O. Mosser fra Øst-Grønland. 1898.

HAGEN, J., see HAGEN, INGEBRIGT SEVERIN, 1852-1917.

HAGEN, S. KÜHNEL, see KÜHNEL HAGEN, S.

6458. HAGEN, YNGVAR. Myrhaukens forplantningsforhold i Norge (*Circus cyaneus* L.). (Nytt magasin for naturvidenskapene, 1943. Bd. 83, p. 113-44, illus.) **Title tr.:** Breeding habits of the hen-harrier (*Circus cyaneus* L.)

Contains a study of the breeding habits of the hen-harrier (*Circus cyaneus* L.), based on observations of the author and other Norwegian ornithologists, with data on nesting (two nests found in Varanger region), feed, influence of climatic changes and migration of small rodents; bibliography (14 items). Summary in English.

Copy seen: MH-A; MH-Z.

6459. HAGER, JOAN. The saga of Matanuska. (Alaska life, May 1946. v. 9, no. 5, p. 2-3, 20-22, illus.)

General account of the hardships and effort involved in opening and developing the homesteading project in Matanuska valley beginning, 1935.

Copy seen: DLC.

6460. HAGERMAN, TOR H. Results of the Swedish Expedition to Spitzbergen in 1924. 2. Stratigraphic and structural investigations within southwestern Spitzbergen. (Geografiska annaler, 1925. Årg. 7, p. 195-221, illus., map, 2 diagrs.)

Study of the area between Bell Sound and Stor Fiord, West Spitsbergen.

Copy seen: DLC.

6461. HAGERUP, ANDREAS T. The birds of Greenland. By Andreas T.

Hagerup. Tr. from the Danish by Frimann B. Arngrimson. Ed. by Montague Chamberlain. Boston, Little, Brown & Co., 1891. viii, [9]-62 p.

Pt. 1 (p. 9-39) is revised and enlarged from the author's article *Some account of the birds of southern Greenland*, 1889, q.v., with full notes on thirty-nine species of birds and on Ivigtut and Arsuk Fiord as habitats.

Pt. 2 (p. 41-62) is a catalog of one hundred thirty-nine species of birds (then) known to occur in Greenland.

Copy seen: DLC; NNSf.

6462. HAGERUP, ANDREAS T. Some account of the birds of southern Greenland, from the mss. of A. Hagerup. (Auk, July-Oct. 1889. v. 6, p. 211-18, 291-97) Edited by M. Chamberlain.

Annotated list of thirty-eight species, and remarks on the surroundings at Ivigtut, southwest Greenland.

Copy seen: DSI-M.

6463. HAGERUP, OLAF, 1889-. Caprifoliaceae: *Linnaea borealis* L. 1915. (In: Structure and biology of arctic flowering plants, nr. 10. Pub. in: Meddelelser om Grønland, 1921. 37. hefte, p. 151-64, illus.)

Description of *Linnaea borealis* L. from arctic regions including West Greenland.

Copy seen: DLC.

6464. HAGERUP, OLAF, 1889-. *Empetrum hermaphroditum* (Lge) Hagerup. a new tetraploid, bisexual species. København, Hagerup, 1927. 17 p. illus. (Dansk botanisk arkiv. Bd. 5, nr. 2)

A detailed cytological study of the unisexual *E. nigrum* (crowberry) found below the Arctic Circle, and the arctic species *E. hermaphroditum*, whose seeds in the fall, serve as food for birds and mammals in East Greenland; also discussion of these species' distribution. Bibliography (12 items).

Copy seen: DA.

6465. HAGERUP, OLAF, 1889-. Kønsdelenes bygning og udvikling hos *Koenigia islandica* L. (Meddelelser om Grønland, 1926. Bd. 58, p. 197-204, illus.) **Title tr.:** Construction and development of the sexual organs of *Koenigia islandica* L.

Discussion of the generative organs and reproduction of this annual plant occurring farthest to the north, as observed in East and West Greenland.

Copy seen: DLC.

6466. HAGLUND, EMIL. Om *Eriophorum aquatile* Norm. och dess förhållande till öfriga arter inom gruppen *vaginatum* L. sp. pl. (Botaniska notiser, 1902. p. 146-52, illus.) **Title tr.:** On *Eriophorum aquatile* and its relationship to other species of the group *vaginatum* L. sp. pl.

Contains a comparative study of two often confused species of marsh-sedges: *Eriophorum aquatile* and *E. russeolum*, both occurring in Torne and Lule Lappmark and in arctic Norway; with discussion of relationship to some other species of collective species *E. vaginatum*.

Copy seen: MH-A.

6467. HAGLUND, GUSTAF E. Contribution to the knowledge of the *Taraxacum* flora of Alaska and Yukon. (Svensk botanisk tidskrift. 1946. Bd. 40, häfte 4, p. 325-61, illus.)

Contains a systematic enumeration of twenty species of the weedy herbaceous genus *Taraxacum* of Alaska and the Yukon, including Latin diagnoses of ten new species and a comparative study of *T. kamchaticus*, *T. lyratus* and *T. sibiricus*.

Copy seen: MH-A.

6468. HAGLUND, GUSTAF E. Contribution to the knowledge of the *Taraxacum* flora of Norway. (Nytt magasin for naturvidenskapene, 1948. Bd. 86, p. 45-91, illus.)

Contains descriptions of thirty-five new species of the weedy herbaceous genus *Taraxacum*, including many native to arctic regions of Norway.

Copy seen: MH-A.

6469. HAGLUND, GUSTAF E. Further contributions to the knowledge of the *Taraxacum* flora of Alaska and Yukon. (Svensk botanisk tidskrift, 1948. Bd. 42, häfte 4, p. 297-336, illus.)

Contains Latin diagnoses of nineteen new species of the herbaceous genus *Taraxacum*, native to Alaska, Aleutian Islands and Yukon Territory.

Copy seen: MH-A.

6470. HAGLUND, GUSTAF E. Supplementary notes on the *Taraxacum* flora of Alaska and Yukon. (Svensk botanisk tidskrift, 1949. Bd. 43, häfte 1, p. 107-16, illus.)

Contains taxonomic notes on seventeen species of the herbaceous genus *Taraxacum* distributed in Alaska and Yukon regions, including Latin diagnoses of four species; published as supplement to the authors' two papers

on *Taraxacum* flora of these regions, published in 1940 and 1948.

Copy seen: MH-A.

6471. HAGLUND, GUSTAF E. *Taraxacum* in arctic Canada (east of 100° W.). (Rhodora, Sept. 1943. v. 45, p. 337-43)

Based on seven collecting trips in Alaska and northern Canada; a list with localities of eleven (including with descriptions, five new) species of dandelions.

Copy seen: DA.

6472. HAGLUND, GUSTAF E., and C. G. LILLIEROTH. Beiträge zur *Taraxacum*-Flora der Inselgruppe Lofoten. (Nytt magasin for naturvidenskapene. 1941. Bd. 82, p. 83-99, illus.) *Title tr.:* Contributions to *Taraxacum* flora of Lofoten Islands.

Contains an enumeration of thirty species of the weedy herbaceous genus *Taraxacum* from the Lofoten Islands group, including Latin descriptions of ten new species and *Boreigena* n. sect.

Copy seen: MH-A.

6473. HAGLUND, GUSTAF E., and S. ERLANDSSON. Einige *Taraxacum*-Arten aus der finnischen Eismeerküste. (Svensk botanisk tidskrift, 1937. Bd. 31, häfte 2, p. 168-75, illus.) *Title tr.:* Some *Taraxacum* species from the Finnish coast of the arctic sea.

Contains a list of eleven species of herbaceous genus *Taraxacum*, collected in Tuloma Lappmark, northeastern Kola Peninsula, by S. Erlandsson, in the summer of 1936. Includes Latin descriptions of *T. vaitolahtense*, *T. adunans* and *T. subsilophyllum* n. spp.

Copy seen: MH-A.

6474. HAGLUND, SVEN, 1891- Life among the Lapps: on the spring trek with the Kōngämä Lapps, by Sven Haglund; translated from the Swedish by William Savage. London, D. Archer [1935] 2 p. l., 7-252 p. illus. (part double; incl. ports.) map on lining-papers.

An account of the life of modern Swedish Lapps, as observed during a two-month trek with their reindeer to the western coast of Norway.

Copy seen: DLC; NNS Stef.

6475. HAGUE, ELEANOR. Eskimo songs. (Journal of American folk-lore, 1915. v. 28, p. 96-98)

Tunes, as recorded by Captain

George Comer among Caribou Eskimos on the west coast of Hudson Bay.

Copy seen: DLC.

6476. HAGUE. PERMANENT COURT OF INTERNATIONAL JUSTICE. Haag-Dommen af 5. april 1933 om Østgrønlands retsstilling. Udgivet paa dansk ved Udenrigsministeriets foranstaltning. Kjøbenhavn, A. Busck, 1933. 2 p. l., [7]-146 p. *Title tr.:* The Hague decision of April 5, 1933 concerning the legal status of East Greenland. Published in Danish by the authority of the Foreign Office.

Translation of the official French and English text of *Statut juridique du Groënland oriental, Legal status of eastern Greenland*, 1933 (pub. in *Publications de la Cour permanente de justice internationale*, serie A/B, no. 53)

Decision of the Hague Court, in favor of Denmark, in the dispute between Norway and Denmark concerning sovereignty of East Greenland; historical facts on Greenland's sovereignty in relation to the disputants' statement of grounds for the decision, minority reports.

Copy seen: DLC.

6477. HAGUE. PERMANENT COURT OF INTERNATIONAL JUSTICE. The legal status of eastern Greenland. (Geographical journal, Aug. 1933. v. 82, p. 151-66)

Summary of points (of most concern to geographers) in the judgment of Apr. 5, 1933, published in full in the Permanent Court's Series A/B, fasc. 53.

Copy seen: DLC.

6478. HAIG-THOMAS, DAVID, 1908-1944. Expedition to Ellesmere Island, 1937-38. (Geographical journal, Apr. 1940. v. 95, p. 265-77, 4 plates, sketch map)

Account of the British Expedition to northwest Greenland and Ellesmere Island, led by the author, which wintered at Thule, mapped the southeast coast of Ellesmere Island, and journeyed from Flagler Fiord across Ellesmere Island, down Eureka Sound, around the south end of Axel Heiberg Island to the southwest point of Amund Ringnes Island, returning northeastward across this island to discover a new island (subsequently named Haig-Thomas Island) lying between it and Axel Heiberg Island. This narrative outlines the course of the expedition,

gives notes on animal migration, musk oxen, birds, and geographic details, and remarks on sledges and dog food.

Appendix: Scientific observations (at Thule): archeology, aurora, tides, weather, zoology, birds, geology, and botany (brief report on work done).

Copy seen: DLC.

6479. HAIG-THOMAS, DAVID, 1908-1944. Ornithology. Oxford University Ellesmere Land Expedition, Appendix II. (Geographical journal, May 1936. v. 87, p. 432)

Field notes on birds seen and heard in the Etah region and at McCormick Bay North Greenland.

Copy seen: DLC.

6480. HAIG-THOMAS, DAVID, 1908-1944. Tracks in the snow. London, Hodder & Stoughton, [1939] x, 11-292 p. front., illus. (4 maps), 16 plates (incl. ports.)

Narrative of the author's year in North Greenland, 1937-38, during which he sledged across Ellesmere, Axel Heiberg and Ringnes Islands and, with R. A. Hamilton, surveyed the southeast coast of Ellesmere Island. His narrative includes an entertaining and informative account of the Polar Eskimos, of traveling by the Eskimo method of living off the land; remarks on the birds and animals seen on Ellesmere, on the geography of Heiberg and the Ringnes Islands; and the discovery of Haig-Thomas Island.

Copy seen: DLC; NNS Stef.

HAIG-THOMAS, DAVID, 1908-1944, *see also* Shackleton, E. A. A. Arctic journeys; Ellesmere Land exped. 1934-5. 1937.

6481. HAIGHT, FRANK JOSHUA, 1893-. Nontidal currents in southeastern Alaska. (Geographical review, Oct. 1926. v. 16, p. 642-46, sketch map)

Contains description of the drift from Wrangell Narrows to Icy Strait, the velocity of these currents, and their northwestern set.

Copy seen: DLC.

HAIGHT, FRANK JOSHUA, 1893-, *see also* U. S. Coast & Geodetic Survey. Tides & currents southeast Alaska. 1927.

HALÁSZ, IGNACE, *see* Wiklund, K. B. Südlappischen Forschungen des Halasz. 1893.

HALDORSEN, H., *see* Soot-Ryen, T., & H. Haldorsen. Forsøk med strømflasker Nord-Norge 1932-37. 1941.

HALE, RALPH TRACY, 1880-, *see* Bartlett, R. A., & R. T. Hale. Last voyage of *Karluk*. 1916.

HALE, RALPH TRACY, 1880-, *see* Bartlett, R. A., & R. T. Hale. Northward ho! last voyage of *Karluk*. 1919.

6482. HALKETT, ANDREW. List of the specimens of fishes and invertebrates collected in Hudson Bay waters in 1919, by Rev. W. G. Walton, missionary at Fort George. (*In:* Canada. Dept. of Marine and Fisheries. Fisheries Branch. Annual report, 1919, *pub.* 1920. Appendix 2, Natural history report, p. 56-57)

The specimens were collected in Great Whale River and along the southeast coasts of Hudson Bay; and the species discussed in Dymond, J. R. *Biological and oceanographic conditions in Hudson Bay*, 8, and Vladikov, V. D. *ibid.*, 9, 1933, q.v.

Copy seen: DLC.

6483. HALKETT, ANDREW. A naturalist in the frozen North. (Canadian field naturalist, July 1905. v. 19, p. 79-86, 104-09, 115-17)

An address, based on the author's observations during the cruise of the *Neptune* in 1903-04. Includes description of, and discussion of adaptation in the land and marine mammals, birds (mostly from Fullerton) and marine invertebrates encountered from Labrador north to Devon Island, and west in Hudson Bay.

Copy seen: DLC.

HALKETT, ANDREW, *see also* Soper, J. D., & others. Faunal investigation southern Baffin Island. 1928.

6484. HALL, CHARLES FRANCIS, 1821-1871. Geographical discoveries in the arctic regions. (American Geographical Society, N. Y. Journal, 1873, v. 3, p. 216-21)

A letter to the president of the Society, dated Washington, April 9, 1871. Contains the results of geographic exploration carried out by the author, 1864-69, in the region of Wager Inlet, Repulse Bay, Lyon's Inlet and Melville Peninsula, also north to Fury and Hecla Strait, and thence to islands west and eastward; with notes on Baffin

Island geography derived from Eskimo reports.

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6485. HALL, CHARLES FRANCIS, 1821-1871. Life with the Esquimaux; the narrative of Captain Charles Francis Hall, of the whaling barque "George Henry", from the 29th May, 1860, to the 13th September, 1862. With the results of a long intercourse with the Innuits, and full description of their mode of life, the discovery of actual relics of the expedition of Martin Frobisher of three centuries ago, and deductions in favour of yet discovering some of the survivors of Sir John Franklin's expedition. With maps and one hundred illustrations. London. Sampson Low, Son, & Marston, 14, Ludgate Hill, 1864.

2 v. v. 1: xvi, 324 p. incl. front. (port.), illus. (incl. 2 ports., 2 facsim.), 7 plates. 2 maps (1 fold.); v. 2: xii, 352 p. incl. illus. (incl. 2 ports., map, facsim.), 10 plates.

Reprinted in a popular edition, London, 1865, (x, 547 p.). American edition with the same text was published as: *Arctic researches, and life among the Esquimaux; being the narrative of an expedition in search of Sir John Franklin, in the years 1860, 1861 and 1862.* New York, Harper & Brothers, 1865. (1 p. l., xxviii, [29]-595 p. incl. illus., plates, front., fold. map) The American edition was reissued in 1866.

Contains narrative of the voyage of the *George Henry* to Holsteinsborg, West Greenland, then across Davis Strait to Cornelius Grinnell Bay (just north of Frobisher Bay) on Baffin Island; the exploration by small boat and sledge of Cyrus Field and Frobisher Bays, the surveying done (the first, and long the only mapping of this area). Includes throughout, detailed descriptions of Eskimo life as shared by the author, the sledging, food, etc., notes on cold and its effects, the terrain of the regions explored, and remains of the Frobisher encampment discovered; also note on polar bear liver as poisonous.

Copy seen: DLC; NNS Stef.

6486. HALL, CHARLES FRANCIS, 1821-1871. Narrative of the Second Arctic Expedition made by Charles F. Hall: his voyage to Repulse Bay, sledge journeys to the straits of Fury and Hecla and to King William's Land,

and residence among the Eskimos, during the years 1864-69. Edited under the orders of the Hon. Secretary of the Navy, by Prof. J. E. Nourse, U. S. N. U. S. Naval Observatory, 1879. Washington, U. S. Govt. Print. Off., 1879. 5 p. l., L, 644 p. front., illus., 7 plates, 20 maps, (8 fold.) fold. facsim. (45th Cong., 3d sess. Senate. Ex. doc. 27)

Edited (after his death) from Hall's manuscripts, which were published by the U. S. government.

This expedition (like that of 1860-62) was supported by private subscriptions and both were undertaken to search for the records of the Franklin Expedition and "to promote and benefit the cause of geography, navigation, natural history and science." From winter quarters in the Wager Inlet and Repulse Bay regions, Hall's four-man party explored the shores north and west from Melville Peninsula to King William Island, 1864-69.

Contains a preliminary chapter on Hall's three expeditions and the Franklin search, and two chapters on the preparation for the second expedition. Eleven chapters of narrative of the sledge journeys in the Wager Inlet region, to Igloodik, along the east side of Melville Peninsula to Fury and Hecla Strait, around and across Repulse Bay, and two journeys to King William Island, the first reaching only to Colville Bay (68°N. 88°25'W.) and the final attempt, reaching the Pfeffer River region of the island. Includes detailed information on the Iglulik Eskimos of Repulse Bay, information on Franklin relics, on the fish and game of the region, the auroras, and the traveling conditions.

Appendices: 1. Astronomical observations. (Tables for voyages out and return through Hudson Strait and Roes Welcome, and for each encampment of the five years, giving geographic position).

2. Meteorological journal giving three-times daily, routine observations for Hudson Strait and Roes Welcome, Aug. 1-19, 1864; for Wager Bay region, Aug. 20, 1864 to June 9, 1865; for the Repulse Bay-Rae Isthmus region, June 13, 1865 to April 6, 1867; for sledge journeys along Melville Peninsula, Feb. 7, to Mar. 28, 1867, and Mar. 30-Nov. 10, 1868; for Lyons Inlet region, Nov. 11, 1868-Mar. 20,

1869; for sledge journey across the country south of Boothia Peninsula to King William Island, Mar. 23-Apr. 30, 1869.

3. EMERSON, B. K. On the geology of Frobisher Bay and Field Bay: a description of the geological collections made by C. F. Hall on his first voyage, 1860-62.

4. Hall's conversations with the Inuits, 1864, 1868, and 1869 (about the Franklin party).

5. Demand for whale and seal oil in the manufacture of jute. (Remarks on the decline of Hudson Bay whaling, with comment by C. R. Markham and statistics by Matthew McDougall, on whaling industry and jute manufacture).

The paper by Emerson appears in this bibliography under its author's name.

Maps include: Hall's survey of Ships Harbor Islands, 66°26'N. 86°05'W.

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HALL, CHARLES FRANCIS, 1821-1871, *see also* U. S. Navy Dept. Instructions for expedition toward North Pole. 1871.

HALL, CHARLES FRANCIS, 1821-1871, *see also* U. S. Navy Dept. Narrative of North Polar Expedition, *Polaris*. 1876.

6487. HALL, ELIAL F. Synopsis of the Franklin search. Appendix no. 6 to the Arctic meeting . . . October 28th, 1880. (American Geographical Society, N. Y. Journal, 1880. v. 12, p. 289-92)

Brief notes on the traces and relics discovered by the many expeditions.

Copy seen: DLC.

6488. HALL, ERNEST FENWICK. Under the northern lights; an intimate disclosure of Alaska, its peoples and traditions of the "Land of the midnight sun". [Denver, Colo., c1932] 70 p. illus. (Hall's Alaska travelogs)

From illustrated lectures given before civic groups and schools.

Copy seen: NNStef.

6489. HALL, EUGENE RAYMOND. 1902-. Four new ermines from the islands of southeastern Alaska. (Biological Society of Washington. Proceedings (June 1944. v. 57, p. 35-41, incl. table)

Full descriptions of four new sub-

species from various islands of the Alexander Archipelago.

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6490. HALL, EUGENE RAYMOND. 1902-. Mammals collected by Charles D. Brower at Point Barrow, Alaska. (California. University. Publications in zoology, 1929. v. 30, p. 419-25)

Based on a collection of specimens given to the University Museum of Vertebrate Zoology, by Mr. Brower. Annotated list of ten species of the smaller mammals from northernmost Alaska, with a bibliography (9 items).

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6491. HALL, EUGENE RAYMOND, 1902-, and R. M. GILMORE. *Marmota caligata broweri*, a new marmot from northern Alaska. (Canadian field naturalist, Apr. 1934. v. 48, p. 57-59, illus.)

Copy seen: DSI-M.

6492. HALL, H. U. The Siberian Expedition. (Pennsylvania. University. Museum. Museum journal, Mar. 1916. v. 7, p. 27-45, illus.)

Account of an expedition sent by the university museums of Oxford and Pennsylvania Universities, 1914-15, to Krasnoyarsk, during which the author and Miss M. A. Czaplicka traveled and lived among the Samoyed, Yurak, Dolgan, and Tungus peoples.

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HALL, JAMES, d. 1612, *see* Bobé, L. T. A. Grønlands genopdagelse og James Hall. 1916.

HALL, JAMES, d. 1612, *see* Froda, F. B. Om identificeringen "Brade Ransons Forde". 1899.

HALL, JAMES, d. 1612, *see* Steenstrup, K. J. V. Bemaerkninger manuskript-kaart over Grönland. 1885.

6493. HALL, THOMAS F., 1841-1933. Has the North Pole been discovered? An analytical and synthetical review of the published narratives of the two arctic explorers, Dr. Frederick A. Cook, and Civil Engineer Robert E. Peary, U. S. N.; also a review of the action of the U. S. Government. Boston, R. G. Badger; [etc., etc., c1917]-20. 2 v. (539 p.; 62 p.) 18 plates, incl. 6 maps, 1 fold. map, diags.

v. 2 reviews "allegation of facts which have come to light since vol. 1 was printed."

Copy seen: DLC; NNStef.

HALL, THOMAS F., 1841-1933, see also Lewin, W. H. Great North Pole fraud. 1935.

6494. HALLE, THORE GUSTAF, 1884- . Younger Palaeozoic plants from East Greenland, collected by the Danish expeditions 1929 and 1930. København, C. A. Reitzel, 1931. 26 p. 6 plates. (Meddelelser om Grønland. Bd. 85, nr. 1)

Descriptions of the beds and fossil species collected in ten localities on Traill, Ymer, Clavering Islands and Hudson Land, arranged by localities.

Copy seen: DLC.

6495. HALLIDAY, WILLIAM EDWARD DURANT, 1897- . A forest classification for Canada. Ottawa, King's Printer, 1937. 50 p. fold. map. (Canada. Dept. of Mines and resources. Forest Service. Bulletin 89)

Contents include definition and description of the boreal forest region which includes parts of Canada below the tree line but within limits of this Bibliography.

Appendix contains climatic data, check list of tree species and bibliography.

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6496. HALLIDAY, WILLIAM EDWARD DURANT, 1897- . Forest regions of Canada, their distribution and character. (Canadian geographical journal, Oct. 1939. v. 19, p. 228-43, incl. 6 p. of illus., sketch map)

Discussion of forest classification and ecology, including the boreal forest region, with a map indicating its limits.

Copy seen: DLC.

6497. HALLOCK, CHARLES, 1834-1917. Our new Alaska; or, The Seward purchase vindicated. New York, Forest and Stream Publishing Co., 1886. 1 p. l., viii p., 1 l., [9]-209 p. incl. illus., 9 plates (incl. 1 fold.), fold. map.

Description of commercial and physical features, largely of the southeastern part, with some information on west coast and interior of Alaska; and of its natives.

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6498. HALLOCK, CHARLES, 1834-1917. Peerless Alaska, our cache near the Pole. New York, Broadway Publishing Co., 1908. 224 p. incl. illus., 14 plates.

Description of the itinerary from the

western coast of the U. S. to Alaska; Alaskan Indians, economy, history of Russian fur trade, missions, fisheries and fur sealing.

Copy seen: DLC; NNStef.

6499. HALLOWELL, ALFRED IRVING, 1892- . Bear ceremonialism in the northern hemisphere. (American anthropologist, 1926. New ser., v. 28, p. 1-175)

Contents include discussion of customs and beliefs connected with the bear among various tribal groups in arctic and subarctic regions of Eurasia and America, as well as a general consideration of primitive man and animals.

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6500. HALLOWELL, ALFRED IRVING, 1892- . Kinship terms and cross-cousin marriage of the Montagnais-Nascapi and the Cree. (American anthropologist, 1932. New ser., v. 34, p. 171-99)

Summary of evidence inferred from linguistic data in dictionaries, etc., on cross-cousin marriage among Indians of Labrador.

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6501. HALLSTRÖM, GUSTAF AXEL, 1880- . Kolalapparnas hotade existens. (Ymer, 1911. Årg. 31, p. 239-316, illus., map) *Title tr.:* The precarious existence of the Lapps on Kola Peninsula.

Discussion, based on personal observations, of Lapps on Kola Peninsula, their fishing, hunting, reindeer husbandry and migrations; vital statistics of the Lapps and of the general population; also discussion of Samoyeds and Syryenians (Zyryans).

Copy seen: DLC.

HALLSTRÖM, GUSTAF AXEL, 1880- , see also Lundqvist, M. Norrland. 1942.

6502. HAMBERG, AXEL, 1863-1933. Astronomische, photogrammetrische und erdmagnetische Arbeiten der von A. G. Nathorst geleiteten schwedischen Polarexpedition 1898. Uppsala, Almqvist & Wiksell, 1905. 2 p. l., 62 p. illus. (tables, diagrs.) fold., col. map. (Svenska vetenskaps-akademien. Bd. 39, nr. 6)

Report of work on Bear Island, on Recherche and Van Keulen Fiords and King Charles Land.

Map: scale 1:100,000, of Recherche and Van Keulen Fiords.

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6503. **HAMBERG, AXEL, 1863-1933.** Hydrografisk-kemiska iakttagelser under den Svenska expeditionen till Grönland 1883. I-II . . . Stockholm, K. Boktryckeriet, 1884-1885. 65 p. illus., 7 plates (fold. charts, diagrs.); 57 p. illus., 4 plates (photos., 1 fold. diagr.) (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 9, no. 16; Bd. 10, no. 13) **Title tr.:** Hydrographic and chemical results of the Swedish Expedition to Greenland, 1883. I-II . . .

Contains (in pt. 1) oceanographic descriptions of the East Greenland polar current, the west coast waters and fiords, and Baffin Bay. Pt. 2 is discussion of chlorides, sulphates, oxygen and carbonic acid in sea water.

Abstract of pt. 1 was published as *Hydrografiska iakttagelser under den Svenska expeditionen till Grönland*, 1883 q.v.; and translated as *Hydrographical observations of the Nordenskiöld Expedition to Greenland*, pub. in Royal Geographical Society, Proceedings, 1884, New ser., v. 6, p. 569-78.

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6504. **HAMBERG, AXEL, 1863-1933.** Hydrografiska iakttagelser under den Svenska expeditionen till Grönland 1883. (Ymer, 1884. Årg. 4, p. 176-86) **Title tr.:** Hydrographical observations during the Swedish Expedition to Greenland, 1883.

Abstract of pt. 1 of the author's *Hydrografisk-kemiska iakttagelser under den Svenska expeditionen till Grönland*, 1883, q.v., and published in English as *Hydrographical observations of the Nordenskiöld Expedition to Greenland*, 1883, q.v.

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6505. **HAMBERG, AXEL, 1863-1933.** Hydrographical observations of the Nordenskiöld Expedition to Greenland, 1883. (Royal Geographical Society. Proceedings, 1884, v. 6, 569-78)

Translation of the author's *Hydrografiska iakttagelser under den svenska expeditionen till Grönland*, 1883.

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6506. **HAMBERG, AXEL, 1863-1933.** Hydrographische Arbeiten der von A. G. Nathorst geleiteten schwedischen Polarexpedition in 1898. Uppsala, Almqvist & Wiksell, 1906. 2 p. l., 56 p. illus., 4 plates (col. fold. charts) tables, diagrs. (Svenska vetenskapsakademien. Handlingar. Neue folge, Bd. 41, no. 1)

A study of the surface waters from North Cape to West Spitsbergen and the waters surrounding West Spitsbergen, with surface and deep-water data for the Swedish Deep, including depth and drift-currents.

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6507. **HAMBERG, AXEL, 1863-1933.** Om eskimåernas härkomst och Amerikas befolkande. (Ymer, 1907. Årg. 27, p. 15-48, map) **Title tr.:** On the origin of the Eskimos and the peopling of America.

Contents tr.: The uniformity of Eskimo culture. The age of Eskimo settlement in Greenland and northeastern America. The origin of Eskimo settlement in Greenland. Eskimo relics within the North American archipelago. Older theories concerning the place of Eskimo origin. Origin of Eskimo culture in Alaska. Eskimo ethnography. The origin of man and prehistoric settlement of America. The time of the first appearance of man in America. North America under ice. How was America settled? The effect of the inland ice on the distribution of the population.

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6508. **HAMBERG, AXEL, 1863-1933.** En resa till Norra Ishafvet sommaren 1892. (Ymer, 1894. Årg. 14, p. 25-61, illus., map) **Title tr.:** A journey to the Arctic Ocean, 1892.

Account of a trip in a whaler to West Spitsbergen with discussion of its geology and remarks on ice conditions in Spitsbergen waters.

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6509. **HAMBERG, AXEL, 1863-1933.** Resumé af meteorologiska observationer i Gyda-viken; vestra Sibirien, 72°14'-72°25'N.L., 76°14'77°12'O. Gr., ombord på fartyget Oscar Dickson, oktober 1880-juli 1881, utförda af kaptein M. E. Arnesen. (Ymer, 1882. Årg. 3, p. 146-49) **Title tr.:** Résumé of meteorological observations in Gydan Bay, west Siberia, 72°14'-72°25'N. 76°14'-77°12'E. on board the *Oscar Dickson*, October 1880-July 1881, made by Captain M. E. Arnesen. **Copy seen:** DLC.

6510. **HAMBERG, AXEL, 1863-1933.** Studien über Meeris und Gletschereis. Stockholm, K. Boktryckeriet, 1895. 13 p. illus., 2 plates (photos., diagr.) (Svenska vetenskapsakademien. Handlingar. Bihang, Bd. 21, afd. 2, no. 2)

Title tr.: Studies on sea ice and glacier ice.

Results of summer observations made off the northwest and southeast coasts of West Spitsbergen on the pack ice and icebergs and subsequent studies of glaciers of West Spitsbergen, Switzerland and Scandinavia. Includes discussion of the structure and melting of sea ice, gas content of sea and glacier ice, glacier ice and its movement, melting of fresh- and brackish-water ice.

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6511. HAMBERG, AXEL, 1863-1933. Über die Basalte des König Karls Land. (Geologiska föreningen. Förhandlingar, 1899. Bd. 21, p. 509-32, illus., sketch map) **Title tr.:** On the basalt of King Charles Land.

Occurrence, petrographic description and age of basalt formations on this island in Svalbard, as observed during the Swedish Polar Expedition, 1898.

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6512. HAMBERG, AXEL, 1863-1933. Zur Kenntniss der Vorgänge im Erdboden beim Gefrieren und Auftauen sowie Bemerkungen über die erste Kristallisation des Eises in Wasser. (Geologiska föreningens i Stockholm. Förhandlingar, 1915. Bd. 37, p. 583-619, illus.) **Title tr.:** Soil processes during freezing and thawing and remarks on the first crystallization of ice in water.

Contains discussion of the penetration of temperature changes in soils, the formation of mush frost, and alluvial islands and masses, the drift of stones in such masses with freezing and thawing, description of stone nets and polygonal structures, gauges in moist and frozen ground, and frost mounds.

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6513. HAMBERG, H. E. Fréquence de la grêle en Suède, 1865-1917. Haglets frekvens i Sverige. Uppsala, Almqvist & Wiksell, 1919. 50 p. 6 plates (2 fold.). (Sweden. Statens meteorologiska centralanstalt. Meteorologiska iakttagelser i Sverige, 1917. Bd. 59 (2: dra ser. bd. 45) Bihang) **Title tr.:** Frequency of hail in Sweden, 1865-1917.

A detailed study of the frequency, intensity and geographical distribution of hail in Sweden, and its association with simultaneous occurrence of other meteorological phenomena, especially

thunderstorms. Monthly seasonal, and annual distributions are mapped.

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6514. HAMBERG, H. E. Nederbörden i Sverige, 1860-1910. Les pluies en Suède 1860-1910. Uppsala, Almqvist & Wiksell, 1911. 215 p. 16 fold. plates. (Sweden statens meteorologiska centralanstalt. Meteorologiska iakttagelser i Sverige, 1910. Bd. 52 (2: dra ser. bd. 38) Bihang) **Title tr.:** Precipitation in Sweden, 1860-1910.

Monthly average amounts, frequency, and intensities of precipitation have been determined for the network of meteorological stations in Sweden by the available observational materials within the period indicated. Frequencies of different forms of precipitation, (snow, snow and rain, etc.) and maximum diurnal intensities of amounts are also determined. The depth and duration of snow cover are discussed and charted. Average seasonal and monthly precipitation charts are appended.

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6515. HAMBERG, H. E. Termosynkroner och termoisokroner på den Skandinaviska halvön. Thermosynchrones et thermoïsochrones dans la péninsule Scandinave. Stockholm, Almqvist & Wiksell, 1922. 39 p. 15 plates. (Sweden. Statens meteorologiska centralanstalt. Meteorologiska iakttagelser i Sverige, 1918. Bd. 60 (2: dra ser. bd. 46) Bihang) **Title tr.:** Thermosynchrones and thermo-isochrones in the Scandinavian Peninsula.

The mean dates of the advance of regression of mean daily temperature through specified temperature values (from 17°C. to -12°C. for values reduced to sea level, and from 12°C. to 0°C. for station level values) in spring and autumn at selected stations in Sweden are tabulated and mapped.

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6516. HAMBURG. DEUTSCHE SEEWARTE. Atlas der Dichte des Meerwassers. NW-Europäische Gewässer. Lief. 1-13. [Hamburg? 194-?] 13 pts. charts. (Germany. Kriegsmarine. Oberkommando. Nr. 2210) **Title tr.:** Atlas of the density of sea water.

Contents tr.: include Lfg. 8, Teil 1, North Atlantic (showing Davis and Denmark Strait and southern Greenland Sea, Feb., May, Aug., and Nov.)

Lfg. 10. White Sea and Murman coast. (May, Aug., and Dec.-Jan.)

Lfg. 13. Norwegian and Barents Seas. (Feb., May, Aug., and Nov.; Iceland to Norway and east to 25°E.)

The charts for each of these regions show surface densities in isolines and summary figures plotted on small charts, for depths 0-10, 0-30, 0-60, or 0-100 meters. *Copy seen:* DN-HO.

6517. HAMBURG. DEUTSCHE SEE-WARTE. Atlas der Eisverhältnisse im Nordatlantischen Ozean. [Hamburg] Oberkommando der Kriegsmarine, 1944. 4 p. 12 double charts, 1 fold. chart. (Germany. Kriegsmarine. Oberkommando. Nr. 2213C) *Title tr.:* Atlas of ice conditions in the North Atlantic Ocean. Extract from Service publication 2213A (Feb. 1944).

Contains an introductory text on ice conditions, 1919-43, in the North Atlantic Ocean and its neighboring seas from 70°E. to 130°W.; discussion of conditions for certain specific regions, on each of the monthly charts, including Hudson Bay and Strait, the Grand Banks of Newfoundland, both coasts of Greenland, West Spitsbergen, etc., and charts showing various kinds and amounts of ice. *Copy seen:* DN-HO.

6518. HAMBURG. DEUTSCHE SEE-WARTE. Atlas der Vereisungsverhältnisse Russlands und Finnlands, ihre Küstengewässer sowie wirtschaftlich und militärisch wichtigen Binnenwasserstrassen. [Hamburg] 1942. [20] p. incl. tables. 94 charts (3 double). (Germany. Kriegsmarine. Oberkommando. Nr. 2197) *Title tr.:* Atlas of icing conditions of Russia and Finland, their coastal waters as well as their inland waters of economic and military importance.

Includes the Barents Sea, White Sea and Murman coast, north and east coasts of Siberia, and inland waterways lying north of the 40°N. parallel; and gives description of the conditions of individual areas with tables interspersed showing dates of appearance and disappearance of ice.

Table: Mean monthly temperatures of important places in Finland and Russia.

Charts: Barents and White Seas: mean ice limits, Apr.-Aug. 1898-1922, and 1929-38; monthly mean and extreme limits, 1929-38.

White Sea and Murman coast: monthly charts, Oct.-June, of extent and types of ice; mean duration in days.

North Siberian coast: assumed and observed limits, and types of ice for July and August, 1935-38.

Okhotsk and Bering Seas: monthly charts of extent and types of ice, Nov.-July; mean duration by days.

Inland waters of eastern Europe and Asia: mean dates, by ten-day intervals, of simultaneous freezing, and the mean and absolute limits, since 1900.

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6519. HAMBURG. DEUTSCHE SEE-WARTE. Beiträge zur Küstenkunde von West-Spitzbergen. (Annalen der Hydrographie und maritimen Meteorologie, 1912. Jahrg. 40, p. 371-92, 3 plates) *Title tr.:* Contributions to knowledge of the West Spitsbergen coasts.

Official sailing directions, with general remarks on situation, geography, ice, wind, weather and climate, and detailed directions from Ice Fiord north to Red Bay. *Copy seen:* DLC.

6520. HAMBURG. DEUTSCHE SEE-WARTE. Deutsche uebersseische meteorologische Beobachtungen. Heft 1-9. [Hamburg, 1887-1900] 9 vols. incl. tables. *Title tr.:* German overseas meteorological observations.

During the First International Polar Year, 1882-83, six, second-order meteorological stations were established by the Germans in Moravian missions along the Labrador coast, at Hopedale, Zoar, Hebron, Nain, Okak and Ramah. Following the Polar Year these stations were under the direction of the German Naval Office (Deutsche Seewarte). This publication includes in pt. 1 of each issue, the results of three-times daily meteorological observations, Sept. 1883-Dec. 1891, at Hopedale, Zoar, Hebron and Nain, and Sept. 1883-Dec. 1889, at Okak and Ramah.

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6521. HAMBURG. DEUTSCHE SEE-WARTE. Eis um Island und Ost-Grönland, mit 10 Jahrgängen. Eiskarten für die Monate April bis August. Neubearb. Hamburg. Oberkommando der Kriegsmarine, 1940. 69 p. incl. 15 p. of charts. *Title tr.:* Ice around Iceland and East Greenland, with ten-year ice charts for the months April to August.

Newly revised. Published by the German Navy for use of the Naval Service only.

Contains general information (in brief) on the wind, weather, surface currents and temperature in the waters of Denmark Strait and southern Greenland Sea; notes on origin, terminology, drift, visibility, navigation, yearly observation and limits of ice in this region.

Analysis of the ice conditions (with charts) off the East Greenland coast to 77°N. and around Iceland, for each month, Apr.-Aug. 1929-1938.

A supplement (*Ergänzung zur Druck-schrift: Eis um Island und Ost Grönland, 1940. 6 p.*) gives analysis of ice conditions for 1939.

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6522. HAMBURG. DEUTSCHE SEEWARTE. Meteorologische Beobachtungen deutscher Schiffe im Europäischen Nordmeer und in der Barentssee während des Zweiten Internationalen Polarjahres 1932-33. Hamburg, 1939. 39 p. incl. tables (Aus dem Archiv der Deutschen Seewarte. Bd. 59, Nr. 3) *Title tr.:* Meteorological observations of German ships in European Arctic Ocean and Barents Sea during the Second International Polar Year, 1932-33.

As Germany made no official participation in the Second International Polar Year investigations, these data are mainly from meteorological journals of fishing steamers in the Greenland Sea north of 60°N., around The Faeroes, Bear Island, and in Barents Sea, from Aug. 1932 to Aug. 1933.

Tables: Frequent daily observations presented in international code, for the usual meteorological elements, and including state of sea (Beaufort scale), surface sea temperatures, temperature difference between air and water, and swell.

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6523. HAMBURG. DEUTSCHE SEEWARTE. Meteorologische Beobachtungen in Labrador während des 2. Internationalen Polarjahres 1932-33 und der anschließenden Jahre. Hamburg, 1940. x, 41 p. incl. tables. (Aus dem Archiv der Deutschen Seewarte. Bd. 60, Nr. 8) *Title tr.:* Meteorological observations in Labrador during the Second International Polar Year 1932-33 and subsequent years.

A series of daily observations (0800, 1400 and 2100 hours) made at Makovik, Oct. 1932-July 1934, and Nain, Jan. 1932-July 1933, Moravian mission stations where observations had been maintained since the First International Polar Year, 1882-83. Contains in addition to the observations, a brief geographic sketch of the Labrador coast, an account of the equipment and meteorologic work of the two stations since 1882, and description of storms in Labrador; with a bibliography (16 items).

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6524. HAMBURG. DEUTSCHE SEEWARTE. Monatskarten der Eisverhältnisse im Nordatlantischen Ozean. [Hamburg] 1940. 10 p. 12 double charts, 1 overlay. (Germany. Kriegsmarine. Oberkommando. Nr. 2213A) *Title tr.:* Monthly charts of ice conditions in the North Atlantic Ocean.

Contains introductory discussion of the distribution of ice in general between 80°E. and 130°W., and its aspect in each month of the year, with charts of mean ice limits, 1929-38.

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6525. HAMBURG. DEUTSCHE SEEWARTE. Monatskarten für die Breiten 50° bis 70° Nord des Nordatlantischen Ozeans. [Berlin] Oberkommando der Kriegsmarine, 1940. 4 p. 13 double charts, 1 double diagr. (Germany. Kriegsmarine. Oberkommando. Nr. 2213B)

A monthly wind rose atlas (with pressure and mean ice limits indicated) for ten-degree squares of the North Atlantic Ocean. *Copy seen:* DN-HO.

6526. HAMBURG. DEUTSCHE SEEWARTE. Ueber das Auftreten des Treibeises im Nordatlantischen Ocean im Frühling 1883. Berichte aus den Journalen der deutschen Schiffe "Olbers", Kapt. R. Alberts, und "Elena", Kapt. Johs. Steenken. (Annalen der Hydrographie und maritimen Meteorologie, 1883. Jahrg. 11, p. 468-72) *Title tr.:* On the occurrence of drift ice in the North Atlantic Ocean during the spring 1883. Reports from the logs of the German ships *Olbers* (Capt. R. Alberts), and *Elena* (Capt. Johannes Steenken).

Notes on icebergs on Grand Banks of Newfoundland in March 1883.

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6527. HAMBURG, DEUTSCHE SEEWARTE. Wetterbeobachtungen im 2. Internationalen Polarjahr 1932/33 auf deutschen Fischdampfern, ausgeführt von Malte Hennings. Bearb. von Max Hinzpeter. Hamburg, 1939. 62 p. incl. 2 plates, tables, sketch map. illus. (Aus dem Archiv der Deutschen Seewarte. Bd. 59, nr. 4) *Title tr.*: Weather observations in the Second International Polar Year, 1932-33, on German fishing steamers, worked out by Malte Hennings, revised by Max Hinzpeter.

Contains introductory account of the German Weather Service program in connection with fishing vessels (in absence of official German participation in the Second International Polar Year program); the equipment; and briefs of the trips made by the observer Hennings in the Bear Islands and Barents Sea waters.

Three-times daily observations of the usual meteorological elements and sea surface temperatures (not always taken). *Copy seen*: DN-HO.

HAMEL, J. C., *see* GAMEL, IOSIF KHRISTIANOVICH, 1788-1861.

6528 HAMFELT, BROR. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 26. Lepidoptera V. Microlepidoptera. [Stockholm, 1930] 6 p. (Arkiv för zoologi, Bd. 21A, no. 13) *Title tr.*: Entomological results of the Swedish Kamtschatka Expedition, 1920-22. 26. Lepidoptera V. Microlepidoptera.

List, with locations of eighty-three species of moths. *Copy seen*: DSI-M.

6529. HAMILTON, JOHN. Catalogue of the Coleoptera of Alaska, with the synonymy and distribution. (American Entomological Society. Transaction, 1894. v. 21, p. 1-38)

List, arranged by families, with synonyms, references and localities, of five hundred seventy-four beetle species, with a supplementary list of fourteen additional species, an index to families, and a list of geographic positions of localities mentioned, in all sections of Alaska and the Aleutian Islands. *Copy seen*: DA.

6530. HAMILTON, R. W. Inside the Eastern Arctic. (Royal Canadian Mounted Police quarterly, Jan. 1949. v. 14, p. 121-31, illus.)

Advice to new members of the R.C.M.P. from an arctic veteran, on supplies, clothing, food, traveling, conduct toward the Eskimos, dog handling and feeding, precautions for safety, etc. *Copy seen*: CAOM.

6531. HAMILTON, RICHARD A. The Oxford Expedition to North East Land, 1935-36. General meteorology. (Royal Meteorological Society. Quarterly journal, April 1938. v. 64, p. 241-52, map)

The results of the meteorological observations taken at the base camp, and at the icecap station are tabulated and analyzed. Sharp temperature fluctuations during winter and misty weather over the icecap were predominant characteristics of the climate during 1935-36. The locations of the stations are charted. *Copy seen*: DLC.

HAMILTON, RICHARD A., *see also* Glen, A. R. Glaciology North East Land. 1939.

HAMILTON, RICHARD A., *see also* Wright, John. Southeast Ellesmere Island. 1940.

HAMILTON, WILLIAM JOHN, 1902-, *see also* Sutton, G. M., & W. J. Hamilton. Mammals Southampton Island. 1932.

HAMILTON, WILLIAM JOHN, 1902-, *see also* Sutton, G. M., & W. J. Hamilton. New arctic weasel. 1932.

6532. HAMMELL, JOHN E. Aerial exploration by the staff of Northern Aerial Minerals Exploration, Limited. (Canadian Institute of Mining and Metallurgy. Transactions, 1929. v. 32, p. 25-40, illus.) Published also in: Canadian mining and metallurgical bulletin, Mar. 1929. No. 203, p. 454-69.

Contains a discussion of the advantages of airplanes in the Arctic; remarks on their early development, and their use in exploration; the method of operation, organization and territory of the company; notes on costs and safety. *Copy seen*: DGS.

6533. HAMMER, F. Iagttagelser anstillede paa krydseren "Fylla's" togt til Grønland i 1886. (Geografisk tidsskrift, København, 1888. Bd. 9, p. 11-18, fold. map) *Title tr.*: Observations made during the voyage of the cruiser *Fylla* to Greenland in 1886.

Account of the cruise of the *Fylla* in 1886, along the west coast of Greenland to Upernavik, the soundings taken and other oceanographic investigations in Davis Strait and Baffin Bay; also preliminary report, by Th. Holm, of botanical and zoological work on shore.

Maps (following p. 30): Bathymetric map of the West Greenland waters from Frederikshaab to Upernavik based on observations made during the *Fylla* cruises 1884 and 1886.

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6534. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. Eine neue Isotoma-Arten aus Ostgrönland. (Zoologischer Anzeiger, Jan. 1938, Bd. 121, p. 43-45) *Title tr.:* A new species of *Isotoma* from East Greenland.

Complete description of the Collembola species, *I. coeruleo-griseus* n. sp., based on specimens collected by the author during the Seventh Thule Expedition, 1933.

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6535. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. A quantitative and qualitative investigation of the microfauna communities of the soil at Angmagssalik and in Mikis Fjord. København, C. A. Reitzel, 1937. 53 p. illus. (incl. diagrs.) (Meddelelser om Grønland. Bd. 108, nr. 2)

Based on the work of the author during the 7th Thule Expedition, July-Sept. 1933, when the soil samples, 5-7 cm. thick, were taken at Angmagssalik, Atingat (inner Angmagssalik Fjord) and Mikis Fjord. Descriptions of the plant communities and their associated faunas (including a list of twenty-one Collembola and forty-three Acarina species found) and of the animal communities of the three localities; a comparison of the dry and wet animal communities at Angmagssalik and Ella Island; discussion of collembolids and mites in relation to moisture and drought, and their breeding season. Bibliography (33 items).

Copy seen: DGS; DSI-M.

6536. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. A quantitative investigation of the microfauna communities of the soil in East Greenland (preliminary report). København, C. A. Reitzel, 1934. 39 p. tables (1 fold.) (Meddelelser om Grønland. Bd. 100, nr. 9)

Based on 94 samples of soil, each of an area of 1/100 sq. meter and about 5 cm. thick (containing upwards of 28,000 animals), collected (mainly) from Ella Island and other localities in the Franz Joseph Fiord region by members of the Danish Three-Year Expedition 1931-34.

The author lists the Collembola and Acarina known (including those new) to East Greenland, describes thirteen plant communities from Ella Island, tabulates the microfauna found in each of them, and in three other localities. From these data, four animal communities are erected and their origin is discussed as being not directly influenced by the plant communities, but caused by the moisture in the soil. Bibliography (33 items).

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6537. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. Ein revidiertes Verzeichnis über Grönlandische Milben. (Zoologischer Anzeiger, Juli 1934. Bd. 107, p. 40-47) *Title tr.:* A revised catalog of Greenland mites.

Based on earlier published records and on the many species new to Greenland which were collected by Danish expeditions after 1931. Contains lists of (1) localities on East and West Greenland, and (2) eighty species of mites, with synonyms, references and localities; bibliography (16 items).

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6538. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. Studies on the oribatids and collembolids of Greenland. København, C. A. Reitzel, 1944. 210 p. illus. (incl. map, diagrs.) fold. tables. (Meddelelser om Grønland. Bd. 141, nr. 3) Also issued as Ph.D. thesis, København, 1944.

Based on Berlese samples collected on the coasts of Greenland, 1931-39, and especially, on the author's investigations of soil microfauna at Angmagssalik and Mikis Fjord, during the 7th Thule Expedition, 1933.

Contents include description of (1) the climate, microclimate and dependence of the flora upon the microclimate. 2. Description of the biotopes. 3. Taxonomic list of Oribatidae and Collembola. 4. Geographic distribution. 5. The animal communities. 6. Reflections on the influence of external factors: humidity, temperature, nutrition, and soil

acidity. 7. Breeding seasons. Oscillations in population and number of generations. 8. Origin of the fauna in Greenland. Bibliography (154 items).

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6539. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. The zoology of East Greenland: Collemboles. København, C. A. Reitzel, 1938. 42 p. incl. illus. (maps) tables. (Meddelelser om Grønland. Bd. 121, nr. 2)

Based on published records, from the time of the Ryder Expedition 1891-92 to the British East Greenland Expedition, 1935-36, and on hitherto unprepared material from the Copenhagen Zoological Museum and later expeditions: Thor Expedition, 1935, 6th and 7th Thule Expeditions, 1931-33, and the Three-Year Expedition, 1932-34; with a revision of the material reported by F. Meinert, in *Neuroptera, Pseudoneuroptera* (etc.), 1896.

Contains annotated list, with synonyms, East Greenland records and occurrence, distribution and biology, of the forty (then) known species, with a table summarizing East Greenland distribution and bibliography (72 items). *Copy seen:* DGS; DSI-M.

6540. HAMMER, MARIE SIGNE (JØRGENSEN) 1907-. The zoology of East Greenland, Oribatids. København, C. A. Reitzel, 1946. 39 p. 4 maps. (Meddelelser om Grønland. Bd. 122, nr. 1)

Based on published literature and the collections in the Copenhagen Zoological Museum. A systematic synopsis of the forty-one known East Greenland species of these mites, with synonyms, East Greenland records, distribution, and some biological notes; general remarks and tables on zoogeography, and a bibliography (42 items).

Copy seen: DSI-M; DGS.

6541. HAMMER, RØRD REGNAR JOHANNES, 1855-1930, and others. Almindelig oversigt. (In: Grønland i tohundredeåret for Hans Egedes landing, bd. 1, 1 del. Pub. in: Meddelelser om Grønland, 1921. Bd. 60, p. 1-174, illus., plates) Other authors: O. B. Bøggild, Morten P. Porsild and K. Stephensen. Title tr.: General survey (In: Greenland at the second centenary of Hans Egede's landing).

Contains descriptions of the physical geography, geology, climate, vegetation and animal life of Greenland, chapters

on Eskimo culture, vital statistics, commerce and communication, industry and administration (including administration of legal affairs), church, education and public health; with sketches of Eskimo language and literature. Also section on the history of Greenland: Norse colonization and its disintegration, exploratory expeditions of the 16-17th centuries, Danish colonization started by Egede 1721, the trading companies, the Greenland Mission and scientific investigations of the 19th-20th centuries. Bibliography, p. 172-74.

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6542. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Grønland i aaret 1921. (Grønlandske selskab. Aarsskrift, 1920-21. p. 5-7) Title tr.: Greenland in the year 1921.

Notes celebrations, festivities and exhibits in connection with the 200th anniversary of the beginning of Hans Egede's colonization project in Greenland, 1721; proposed legislation pertaining to Greenland; the royal visit to Greenland; publications issued in commemoration of the jubilee; proclamation placing all of Greenland under Danish colonial rule.

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6543. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Nogle bemaerkninger i anledning af magister Porsilds udtalelser om det Grønlandske selskabs virksomhed. (Grønlandske selskab. Aarsskrift, 1919. p. 75-80) Title tr.: A few remarks in connection with Dr. Porsild's statements about the activities of the Greenland Society.

Reply to Dr. Porsild's *Om det Grønlandske selskabs virksomhed*, 1919, q.v., and restatement of the Society's aims and policy.

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6544. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Om de store isfjældes dannelse. (Geografisk tidskrift, 1893-94. Kjøbenhavn, 1894. Bd. 12, p. 18-25) Title tr.: On the formation of large icebergs.

Challenge of K. J. V. Steenstrup's article *Hvorledes dannes de store isfjælde?* q.v., and discussion of observations on the Jakobshavn Glacier in support of Rink's theories on calving.

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6545. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Om skruebarkskibet "Hvidbjørnen's" forlis ved Nunar-

suit i Grønland i 1895. (Grønlandske selskab. Aarsskrift, 1916. p. 14-41, illus. map) *Title tr.:* The shipwreck of the screw-bark "Hvidbjørnen" at Nunarsuit in Greenland in 1895.

Describes voyage of *Hvidbjørnen* from Copenhagen to Julianehaab, her destruction by ice due to tidal wave, while at anchor at Nunarsuit Island off southwest Greenland.

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6546. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Til medlemmerne. (Grønlandske selskab. Aarsskrift, 1916. p. 1-4) *Title tr.:* To the members.

Notes sale of the Danish West Indies to the United States; states opinion that Denmark should never cede Greenland to any other power and exhorts membership to be on the alert against any such attempts.

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6547. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Undersøgelse af Grønlands vestkyst fra 68°20' til 70° N.B. 1883. (Meddelelser om Grønland, 1889. 8. hefte, p. 1-32, illus., 3 plates, fold. map, tables) *Title tr.:* Investigations on the west coast of Greenland from 68°20' to 70°N. in 1883.

The results of an Expedition to the West Coast of Greenland, 1883, for the purpose of mapping the east coast of Disko Bay between Kangatsiak (68°20' N.) and Torsukatak Fiord (70°N.), taking in a part of Egedesminde and Ritenbenk Districts, and the coastline of Jakobshavn and Christianshaab. Includes description of the geography and geology of the south and east coasts of Disko Bay and its fiords; notes on Eskimo beliefs, etc., (p. 21-24); and geodetic tables (p. 30-32). Summary in French at end of volume.

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6548. HAMMER, RØRD REGNAR JOHANNES, 1855-1930. Undersøgelser ved Jakobshavns isfjord og nærmeste omegn i vinteren 1879-1880. (Meddelelser om Grønland, 1883. 4. hefte, p. 1-67, illus., plate, fold. map, tables) *Title tr.:* Research on the Jakobshavn Ice Fiord and neighboring region in the winter of 1879-1880.

Contains measurements of the thickness of Jakobshavn Glacier, the evaporation of snow and ice, melting of ice, the temperatures of sea water and

of soil, and the sea-water salinity. Summary in French at end of volume.

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HAMMER, RØRD REGNAR JOHANNES, 1855-1930, *see also* Helland, A. T. Geschwindigkeit d. Bewegung Gletscher. 1881.

HAMMER, RØRD REGNAR JOHANNES, 1855-1930, *see also* Steenstrup, K. J. V., & R. R. J. Hammer. Astron. observ. N.-Grønland, 1878-80. 1883.

6549. HANBURY, DAVID T. A journey from Chesterfield Inlet to Great Slave Lake, 1898-9. (Geographical journal, July 1900. v. 16, p. 63-77, fold. map)

Account of a private trip during June-Sept. 1899 (after a false start in '98) with one Eskimo companion, by dog sledge up the Hudson Bay coast to Chesterfield Inlet, thence by canoe to Baker, Schultz and Aberdeen Lakes and Ark-Eleenik, i.e., Thelon and Hanbury Rivers, to Great Slave Lake. Includes remarks about fish and game on which the travelers depended for food, also comment on the route, in parts hitherto unexplored.

Appendix: Geological data (daily journal entries on the rocks, gravels, signs of glaciation, etc.). Meteorological data (table of daily observations of pressure and temperature, with weather notes). *Copy seen:* DLC.

6550. HANBURY, DAVID T. Sport and travel in the northland of Canada. New York, Macmillan Co.; London, E. Arnold, 1904. xxxii, 319 p. col. front., illus., 36 plates (4 col.) 2 fold. maps.

Narrative of the experiences of the author and two companions, living and traveling in the Barren Grounds, 1901-02; the canoe trip eastward from Fort Resolution on Great Slave Lake via the Thelon River to Baker Lake; the wintering there; several trips from Baker Lake to Depot Island on Hudson Bay and into the country north of Chesterfield Inlet; the return overland to the Dubawnt River, northward from its mouth to the arctic coast, westward from Queen Maud's Gulf to Coppermine River, upstream to the Dease River, and downstream to Great Bear Lake. The author describes the customs of the Eskimos, whose life he shared during twenty months, and (in

less detail) the Indians of the Great Slave Lake region.

Appendices: 1. Geology of North Canada.

2. Flett, J. S. Rock specimens from the northern part of Canada.

3. Elwes, H. J. Lepidoptera from arctic America (fifteen species).

4. Rolfe, R. A. Flora of the arctic coast of North America: Ogden Bay to Coppermine River (100°-115°W.) (fifty-one species).

5. Meteorological observations (daily) Sept. 22, 1901-Sept. 23, 1902.

6. List of articles for trade sent in the whaling schooner, *Frances Allyn*.

7-8. Measurements of Hudson Bay and arctic coast Eskimos.

9. Eskimo words and phrases.

Copy seen: DLC; NNS Stef.

6551. HANBURY, DAVID T. Through the Barren Ground of north-eastern Canada to the arctic coast. (Geographical journal, Aug. 1903, v. 22, p. 178-91, illus., fold. map)

Account of the author's travels described subsequently in greater detail in his *Sport and travel in the northland of Canada*, 1904, q.v., with comment on the character of the country traversed.

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6552. HANCE, JAMES H. The recent advance of Black Rapids Glacier, Alaska. (Journal of geology, Oct.-Nov. 1937, v. 45, p. 775-83)

Contains a description of the movements of ice into the Delta River valley (Sept. 1936 to Feb. 1937), and a discussion of the excess precipitation as the probable cause of this remarkable advance.

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6553. HANCOCK, JOHN, 1808-1890. Remarks on the Greenland and Iceland falcons, showing that they are distinct species. (Annals and magazine of natural history, Dec. 1838, v. 2, p. 241-50, plate)

Full description of the two species and extended remarks on their plumages.

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HANDBUCH DER REGIONALEN GEOLOGIE, hrsg. von G. Steinmann und O. Wilckens. Heidelberg, 1910-44, see Böggild, O. B. Grönland. 1917.

HANDBUCH DER REGIONALEN GEOLOGIE, hrsg. von G. Steinmann und O. Wilckens. Heidelberg, 1910-44,

see also Nordenskjöld, N. O. G. Nordatlantischen Polarinseln. 1922.

6554. HANDEL-MAZETTI, HEINRICH, 1882-1940. Generis *Taraxaci* nova species e flora arctica Rossiae asiaticae. (Russkii botanicheskii zhurnal, 1912, pub. 1913, no. 7-8, p. 174) **Title tr.:** A new species of *Taraxacum* of the arctic flora of Asiatic Russia.

Contains Latin diagnosis of the dandelion *Taraxacum tundricolum* n. sp. collected by V. N. Sukachev in the valley of Kara River (68°45'N. 65°E.) in the Bereзов district of Tobolsk province.

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HANDEMANN, N., see GANTMAN, N.

6555. HANDLEMAN, HOWARD. Alaska Railroad carries on. (Alaska life, Feb. 1944, v. 7, no. 2, p. 47-48, illus.)

Brief story of U. S. Army operation of the Alaska Railroad during World War II.

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6556. HANDLEMAN, HOWARD. Bridge to victory; the story of the reconquest of the Aleutians. New York, Random House [1943] 4 p. l., 275 p. front. (port.) 16 plates, map on lining-papers.

In addition to describing the campaign and battles, this story gives a picture of the soldier's life and living conditions.

Copy seen: DLC; NNS Stef.

6557. HANDLEMAN, HOWARD. Matanuska valley. (Alaska life, Mar. 1944, v. 7, no. 3, p. 19-21, illus.)

Description of the farms in the valley and notes on the problems of marketing, on the farmers' co-operative, and life in the community.

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6558. HANN, JULIUS. Einige Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. (Meteorologische Zeitschrift, Dec. 1904, Bd. 21, p. 547-55, tables) **Title tr.:** Some results of meteorological observations on Franz Josef Land, between 1872 and 1900.

The monthly averages of various meteorological elements, as observed by different expeditions to Franz Josef Land at various localities during the period 1872-1900, are tabulated. The sources of data for each expedition are given.

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6559. HANN, JULIUS. Magnetische und meteorologische Beobachtungen der Ziegler-Expedition auf Franz-Joseph-Land. (Meteorologische Zeitschrift, Juli 1911. Bd. 28, p. 327-30, tables) *Title tr.*: Magnetic and meteorological observations of the Ziegler Expedition on Franz Josef Land.

Contains statement of the expedition's purpose, etc., followed by a general summary of magnetic observations at Camp Abruzzi, Teplitz Bay (on Rudolph Island) and at Alger Island, made at various intervals during the years 1903-1905; and a monthly summary of meteorological elements at Cape Flora (Northbrook Island) and Teplitz Bay. *Copy seen*: DA.

6560. HANN, JULIUS. Tobiesen's Ueberwinterung und Beobachtungen auf der Bären Insel. (Österreichische Gesellschaft für Meteorologie. Zeitschrift, 1870. Bd. 5, p. 343-45) *Title tr.*: Tobiesen's wintering and observations on Bear Island.

Brief discussion of the climate of Bjørnøya, with monthly mean temperatures from Tobiesen's three-times daily observations, Aug. 1865-June 1866.

Copy seen: DLC.

6561. HANNA, G. DALLAS, 1887-. Additions to the avifauna of the Pribilof Islands, Alaska, including four species new to North America. (Auk, Apr. 1920. v. 37, p. 248-54)

Annotated list of twenty-one species of birds new to these islands.

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6562. HANNA, G. DALLAS, 1887-. Additions to the avifauna of the Pribilof Islands, Alaska, including species new to North America. (Washington Academy of Sciences. Journal, Mar. 1919. v. 9, p. 176-77)

Note on twenty-one new records, June 1916-Sept. 1918.

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6563. HANNA, G. DALLAS, 1887-. Fossil diatoms dredged from Bering Sea. (San Diego Society of Natural History. Transactions, 1929. v. 5, p. 287-96, plate)

List and discussion of thirty-eight species, found in a single sounding, by the *Albatross*, 1900. They include nine new species, five living, and twenty-four fossil species. *Copy seen*: DLC.

6564. HANNA, G. DALLAS, 1887-. Geological notes on the Pribilof Islands, Alaska, with an account of the fossil diatoms. (American journal of science, Sept. 1919. Ser. 4, v. 48, p. 216-24)

Contains a description of general geologic features, and the sedimentary rocks of the several islands; remarks on the geologic age of the islands; a list of twenty-five fossil diatoms found in the sand stone cliff on St. Paul Island. Bibliography (10 items).

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6565. HANNA, G. DALLAS, 1887-. Mammals of the St. Matthew Islands, Bering Sea. (Journal of mammalogy, May 1920, v. 1, p. 118-22)

Results of a six-day reconnaissance for the U. S. Biological Survey, July 1916. Notes on the physical features of St. Matthew and neighboring islands, and an annotated list of eleven species, including whales, seals, walrus, white fox, polar bear and meadow mouse.

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6566. HANNA, G. DALLAS, 1887-. A note on the geology of St. Matthew Island, Bering Sea. (American journal of science, May, 1927. Ser. 5, v. 13, p. 450)

Fossil wood on the south side of the island.

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6567. HANNA, G. DALLAS, 1887-. The Pribilof sandpiper. (Condor, Mar. 1921. v. 23, p. 50-57, illus.)

Detailed description of eggs, young, nesting and breeding habits, and notes on limited breeding range and short migration route, of *Arquatella ptilonemis*.

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6568. HANNA, G. DALLAS, 1887-. Rare mammals of the Pribilof Islands, Alaska. (Journal of mammalogy, Nov. 1923, v. 4, p. 209-215, plate)

Notes on three whales, a porpoise, seal, walrus, and sea otter.

Copy seen: DSI-M.

6569. HANNA, G. DALLAS, 1887-. Records of birds new to the Pribilof Islands including two new to North America. (Auk, Oct. 1916. v. 33, p. 400-403)

Annotated list of twenty-one species, eleven new to these islands and two new to the continent, observed and collected by this U. S. Biological Survey naturalist, 1913-15.

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6570. HANNA, G. DALLAS, 1887-. The summer birds of the St. Matthew Island bird reservation. (Auk, Oct. 1917. v. 34, p. 403-410)

Based on a U. S. Biological Survey examination of the Bering Sea Reservation, established by Executive Order in Feb. 1909. An annotated list of thirty-seven species, and brief description of St. Matthew, Hall, and Pinnacle Islands. *Copy seen:* DSI-M.

HANNA, G. DALLAS, 1887-, *see also* Mailliard, J., & G. D. Hanna. New bird records Pribilof Islands. 1921.

HANNA, G. DALLAS, 1887-, *see also* Sterki, V., & G. D. Hanna. New mollusc from Alaska. 1917.

6571. HANNA, WILLIAM FIELDING, 1892-, *and others*. Soils and agriculture. (In: A program of desirable scientific investigations in Arctic North America. Pub. as: Arctic Institute of North America. Bulletin, Mar. 1946. No. 1, p. 59-65)

Suggestions for research studies in classification, permafrost and biology of soils, by W. F. Hanna; in plant selection and breeding, crops, livestock and land development, food processing and sunlight, by E. S. Archibald; and in ground ice, by W. A. Rockie.

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6572. HANNA, WILSON C. Long-billed dowitcher breeding in Alaska. (Condor, Nov. 1935. v. 37, p. 286)

Record of a set of eggs from Wales and eggs and bird from Meade River, Northern Alaska.

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6573. HANNA, WILSON C. Rufous-necked sandpiper nesting on Seward Peninsula, Alaska. (Condor, Mar. 1940. v. 42, p. 122-23, illus.)

Copy seen: DSI-M.

6574. HANNERZ, ALF GÖSTA, 1890-. Die Waldgrenzen in den östlichsten Teilen von Schwedisch-Lappland. (Svensk botanisk tidskrift, 1923. Bd. 17, häfte 1, p. 1-29, illus. plate) *Title tr.:* The limits of the forest in easternmost parts of the Swedish Lapland.

Contains a study of the highest limit of the woody vegetation in the mountainous regions of eastern Swedish Lapland (Torne and Lule Lappmark), based on the works of other

geobotanists and on the author's own observations in that region.

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6575. HANNIG, Capt. Kamtschatka (Westküste). (Annalen der Hydrographie und maritimen Meteorologie, Aug. 1911. Jahrg. 39, p. 428-32) *Title tr.:* Kamchatka (west coast).

Report of a commercial vessel on sailing directions for Kamchatka's western coastal waters.

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HANNING-LEE, FRANCIS EDWARD, *see* Great Britain. Hydrographic Dept. S. & E. Korea, Siberia & Okhotsk pilot. 1944.

6576. HANS HENDRIK, 1834-1889. Memoirs of Hans Hendrik, the arctic traveller, serving under Kane, Hayes, Hall and Nares, 1853-1876. Written by himself. tr. from the Eskimo language by Dr. Henry Rink. Ed. by Prof. Dr. George Stephens. London, Trübner & Co., 1878. 2 p. l., 100 p. front. (map)

Introduction (p. 1-20) by Rink, outlines the home (Fiskernaes) and people of Hans Hendrik, the Greenlandic hunter, and the expeditions he served; the memoirs describe (from his memory) details of the travels and living conditions during these expeditions as they were part of Hans Hendrik's experience, particularly the hunting activities.

Copy seen: CaOG; PPL; PPFR.

HANSEN, A. H., *see* Edington, A. C., & Mrs. C. B. Edington. Tundra, romance & adventure. 1930.

6577. HANSEN, ANDERS. Om oprettelse af en station for faareavl og eksportfiskeri i Julianehaabs distrikt. (Grønlandske selskab. Aarsskrift, 1910-11. p. 57-70) *Title tr.:* Concerning the establishment of a depot for sheep raising in Julianehaab District, and a fishery for the export trade.

Contains suggestion for a sheep and goat-raising depot between Godthaab and Itivdek, and for a fishery in the same locality; with recommendation of location at north end of Tunugdliarfik, preferably at Sidlisit. Caution against importation of sheep from Iceland because of the prevalence of echinococcus among them.

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6578. HANSEN, C. I. "Clavering Øen" paa Grønlands østkyst. (Geografisk

tidsskrift, Kjøbenhavn, 1912. Bd. 21, p. 25-26, sketch map) *Title tr.*: "Clavering Island" on Greenland's east coast.

Discussion, based chiefly on reports by sea captains, 1900-1910, on whether "Clavering Island" actually is an island or a peninsula connected with the mainland.

Copy seen: DLC.

HANSEN, EARL P., *see Explorers journal*. Special number arctic search (Levanevskii). 1937.

6579. HANSEN, EINAR. Tabell öfver temperaturförhållandena vid Omenak, medeltal af 3 iakttagelser om dagen (kl. 7 fm., 12 midd. och 11 eftm.) (*In*: Nordenskiöld, N. E. A. Redogörelse för en expedition till Grönland år 1870. Bilaga 4. *Pub.* in: Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1870. Årg. 27, no. 10, p. 1082) *Title tr.*: Table of temperature at Omenak, mean of three observations daily (7 A.M., noon, and 11 P.M.)

Temperature tables for Umának, a settlement on an island in Umának Fiord, West Greenland, 70°40'N. 52°09' W. covering the years 1857-1870.

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6580. HANSEN, FREDERIK CARL CHRISTIAN, 1870-1934. Anthropologia medico-historica Groenlandiae antiquae. I. Herjolfsnes. (Meddelelser om Grönland. 1924. Bd. 67, p. 291-547, 30 illus., 86 plates) *Title tr.*: Medical and historical anthropology of ancient Greenland.

Study of twenty-five skeletons of Norsemen, exhumed by Dr. P. Nørlund at the cemetery of "Herjolfsnes" (Iki-gait) in the Julianehaab District, 1921. Describes the individuals and their skulls and discusses the reconstruction of the face and form; remarks on the age, constitution, condition of teeth and hair and the probable stature of the individuals; bibliography, p. 522-47.

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6581. HANSEN, GERHARD HENRIK ARMAUER, 1841-1912. Annelida. Christiania, Grøndahl & Søn, 1882. 2 p. l., 53 [1] p. 7 plates, map. (Den Norske Nordhavs-expedition, 1876-1878. Bd. 3, Zoology, hefte 2)

Tabular list of the annelid worms collected during this expedition in Greenland Sea. Indicates location, depth, bottom temperature, bottom sediments and geographical distribu-

tion; also describes twenty-nine new species.

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6582. HANSEN, GERHARD HENRIK ARMAUER, 1841-1912. Annelider fra den norske Nordhavsexpedition i 1876. (Nytt magasin for naturvidenskapene, 1879, *pub.* 1878. Bd. 24, hefte 1, p. 1-17, plates 1-10) *Title tr.*: Annelida from the Norwegian Northern Sea Expedition in 1876.

Contains critical notes on thirty-five species of annelid worms (Annelida) including descriptions of fifteen new species, collected in 1876 by this Norwegian expedition mostly in Iceland waters, but including three forms from the Svalbard area and some from Greenland Sea.

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6583. HANSEN, GERHARD HENRIK ARMAUER, 1841-1912. Annelider fra den norske Nordhavsexpedition i 1877. (Nytt magasin for naturvidenskapene, 1879, *pub.* 1878. Bd. 24, hefte 3, p. 267-72, 2 plates) *Title tr.*: Annelida from the Norwegian Northern Sea Expedition in 1877.

Contains a list of forty-seven species of annelid worms (Annelida) with descriptions of three new species, collected in 1877 in northern Norwegian waters, Greenland Sea and Jan Mayen waters.

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6584. HANSEN, GERHARD HENRIK ARMAUER, 1841-1912. Annelider fra den norske Nordhavsexpedition i 1878. (Nytt magasin for naturvidenskapene, 1880. Bd. 25, hefte 3, p. 224-34, plate 2) *Title tr.*: Annelida from the Norwegian Northern Sea Expedition in 1878.

Contains an enumeration of fifty-five species of annelid worms (Annelida) collected by this Norwegian expedition in 1878, with descriptions of nine new species and critical notes on some noteworthy forms; includes many native to Greenland and Svalbard waters.

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6585. HANSEN, GERHARD HENRIK ARMAUER, 1841-1912. Spongiadae. Christiania, Grøndahl & Søn, 1885. 2 p. l., 25 p., 1 l. 7 plates, map. (Den Norske Nordhavs-expedition 1876-1878. Bd. 3, Zoology, hefte 3)

A list, with descriptions, of forty-six (including thirty new) species of sponges, and a table of information on the position, depths, bottom tempera-

ture and bottom sediments of this expedition's stations in Greenland Sea.

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6586. HANSEN, GODFRED, 1876-1927. Roald Amundsen. (Geografisk tidsskrift, København, 1928. Bd. 31, p. 194-98)

Remarks on Roald Amundsen's fatal attempt (in the French flying boat *Latham*) to rescue the *Nobile Italia* Expedition, 1928, and evaluation of Amundsen as geographer and explorer.

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6587. HANSEN, GODFRED, 1876-1927. Roald Amundsen og Nordpolen. (Geografisk tidsskrift, København, 1925. Bd. 28, p. 77-88) *Title tr.*: Roald Amundsen and the North Pole.

Describes Amundsen's attempts to reach the North Pole by ship and preparations for his new expedition to reach it by plane. Summary in English.

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6588. HANSEN, GODFRED, 1876-1927. Den tredje Thule-expedition; Norges depot-expedition til kaptajn Roald Amundsen. (Geografisk tidsskrift, 1921-22, København, 1922. Bd. 26, p. 24-30, illus.) *Title tr.*: The Third Thule Expedition; Norway's Depot Expedition for Captain Roald Amundsen.

Account of the Third Thule Expedition, 1919, under Godfred Hansen (planned by Knud Rasmussen and financed by the Norwegian government) to place depots for Roald Amundsen in northern Greenland and on Ellesmere Island. Describes the journey from Copenhagen to Thule, the author's sojourn there, his sledge trip to Cape Columbia on the northern coast of Ellesmere Island and the return trip home.

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6589. HANSEN, GODFRED, 1876-1927. Den tredje Thuleekspedition; Norges depotekspedition til Roald Amundsen. (In: Amundsen, R. E. G. Nordostpassagen, 1921, p. 437-62, plates, sketch map) *Title tr.*: The Third Thule Expedition; Norway's Depot Expedition for Roald Amundsen.

Report of the Third Thule Expedition, 1919 (planned by Knud Rasmussen and financed by the Norwegian government), to place depots in northern Ellesmere Island for the return trip of Roald Amundsen's proposed sledge journey (which never material-

ized) to the Pole during the *Maud* Expedition. Gives an account of the author's trip from Copenhagen via Upernavik to Thule, his preparations there for the expedition, Aug. 1919-March, 1920, the sledge trip along Greenland's west coast, across Kennedy Channel, along the coast of northeast Ellesmere Island, and the placing of depots of supplies at Cape Columbia (83°N. 70°W.) and other locations.

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HANSEN, GODFRED, 1876-1927, *see also* Amundsen, R. E. G. Nordvestpassagen. 1907.

HANSEN, GODFRED, 1876-1927, *see also* Amundsen, R. E. G. "The North West Passage". 1908.

6590. HANSEN, GUNNAR JØRGEN ARNDT, 1904-, and P. P. SVEISTRUP. Arctic ice fluctuations in Julianehaab Bay, 1901-1937. København, C. A. Reitzel, 1943. 32 p. incl. 8 illus. (diagsr.) tables. (Meddelelser om Grønland. Bd. 131, nr. 13)

Study of the possible causes of fluctuation, with graphic presentation of Julianehaab ice and (1) Gulf Stream temperatures, (2) air temperatures at four arctic stations (North Cape, Svalbard, Jan Mayen and Bear Island), (3) wind frequency at Grimsey, (4) surface temperature of Irminger Current off southwestern Iceland, (5) direction of wind (and gales) at Nanortalik and Ivigtut; with a bibliography (21 items).

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6591. HANSEN, H. C. Da det norske flagget atter blev plantet på Svalbard. (Polar-årboken, 1945, p. 98-101, illus.) *Title tr.*: When the Norwegian flag was planted again on Svalbard.

Account of the bombing of the *Selis* and the *Isbjørn* by German airplanes near the Russian coal mine at Barentsburg on West Spitsbergen, 1942, resulting in the death of 13 Norwegians; Norwegian soldiers accomplish a landing and remain for the duration of the war.

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6592. HANSEN, HANS JACOB, 1855-1936. Crustacea Copepoda. II. Copepoda parasita and hemiparasita. Copenhagen, B. Luno, 1923. 2 p. l., 92 p. 5 plates, table. (Ingolf-expedition, 1895-1896. [Reports] v. 3, pt. 7)

Based on collections made by the

cruiser *Ingolf*, and other Danish museum collections, from Davis and Denmark Straits and Greenland Sea between Jan Mayen and Iceland. Contains a classified list, with synonyms, locations and distribution, of one hundred one (including with descriptions, twenty-nine new) species of parasitic crustaceans from fish, crustacean, and annelid hosts, and semiparasites and commensal forms. *Copy seen:* DSI-M.

6593. HANSEN, HANS JACOB, 1855-1936. Crustacea Malacostraca. I. Copenhagen, B. Luno, 1908. 1 p. l., 120 p. illus., 5 plates, table, chart. (Ingolf-expedition, 1895-1896. [Reports] v. 3, pt. 2)

Based on collections of the cruiser *Ingolf*, and other collections from Davis and Denmark Straits and Greenland Sea between Iceland and Jan Mayen. Contains remarks on the classification of the subclass, and lists, with synonyms, references, localities, and distribution (geographic and bathymetric) of seventy-nine (including with descriptions, three new) species of decapods, of ten (one new) species of Euphausiacea, and thirty-five (four new) species of Mysidacea.

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6594. HANSEN, HANS JACOB, 1855-1936. Crustacea Malacostraca. II. Copenhagen, B. Luno, 1913. 2 p. l., 145 p. 12 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 3, pt. 3)

Based on collections of the cruiser *Ingolf*, and on other collections from Davis and Denmark Straits, and Greenland Sea between Iceland and Jan Mayen. Contains remarks on the literature, geographical and bathymetric distribution, sexual differences, and taxonomic questions of the order Tanaidacea; and a list, with descriptions, localities, and distribution, of seventy-eight (including fifty-two new) species.

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6595. HANSEN, HANS JACOB, 1855-1936. Crustacea Malacostraca. III. Copenhagen, B. Luno, 1916. 3 p. l., 262 p. 16 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 3, pt. 5)

Based on collections of the cruiser *Ingolf* in Davis and Denmark Straits, and Greenland Sea between Jan Mayen and Iceland, and on other Danish collections. Contains remarks on classification and morphology, and on geo-

graphic and bathymetric distribution of the order Isopoda; and a list, with synonyms, references, descriptions, locations and general distribution, of one hundred sixty-four (including seventy new) species. *Copy seen:* DSI-M.

6596. HANSEN, HANS JACOB, 1855-1936. Crustacea Malacostraca. IV. Copenhagen, B. Luno, 1920. 2 p. l., 86 p. 4 plates, table. (Ingolf-expedition, 1895-1896. [Reports] v. 3, pt. 6)

Based on collections of the cruiser *Ingolf* in Davis and Denmark Straits, and Greenland Sea between Jan Mayen and Iceland, and on other Danish collections. Contains lists, with synonyms, localities, and data on general distribution, of sixty-six (including with descriptions, twenty-four new) species of Cumacea, and of two species of Nebaliacea. *Copy seen:* DSI-M.

6597. HANSEN, HANS JACOB, 1855-1936. Kara-havets pycnogonider. (In: Lütken, C. F. Dijnphna-togtets zoologiske-botaniske udbytte, 1887, p. 155-81, plates 18-19) *Title tr.:* Pycnogonids of the Kara Sea.

List, with references to literature, descriptions and occurrence, of thirteen (including one new) species of sea spiders. Summary in French, p. 507-508. *Copy seen:* DLC.

6598. HANSEN, HANS JACOB, 1855-1936. Malacostraca marina Grønlandiae occidentalis. Oversigt over det vestlige Grønlands fauna af malakostrike havkrebsdyr. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1887, pub. 1888. Aarg. 39, p. 5-226, plate II-VII, col. fold. map) *Title tr.:* Survey of West Greenland's malacostracan marine fauna.

Contains survey of previous literature; general remarks on investigations of this subclass of crustaceans off the west coast of Greenland, with record of localities where work was done. Systematic enumeration, with references to literature, occurrence and locations of collecting stations, some Latin diagnoses, notes, etc., of more than two hundred species, represented by specimens in collections in the natural history museums of Stockholm and Copenhagen. *Copy seen:* DLC.

6599. HANSEN, HANS JACOB, 1855-1936. Note on the Crustacea. (In: Amdrup, G. C. Carlsberg-fondets ex-

pedition til Øst-Grønland, 3. del, nr. 11. *Pub. in:* Meddelelser om Grønland, 1909. 29 hefte, p. 415-19)

List, with localities, of nineteen forms of three orders of crustaceans from East Greenland and Jan Mayen waters. *Copy seen:* DLC.

6600. HANSEN, HANS JACOB, 1855-1936. Oversigt over de paa Dijnphna-togtet indsamlede krebsdyr. (*In:* Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 183-286, plates 20-24) *Title tr.:* Survey of crustaceans collected on the cruise of the *Dijnphna*.

List, with synonymy, references to literature, occurrence and descriptions, of ninety-four (including fourteen new) species of marine and fresh-water crustaceans from the Kara Sea and Novaya Zemlya. Summary in French, p. 508-511. *Copy seen:* DLC.

6601. HANSEN, HANS JACOB, 1855-1936. Pycnogonider og malacostrake krebsdyr. (*In:* Ryder, C. H. Den østgrønlandske expedition, 3. del, 4. *Pub. in:* Meddelelser om Grønland, 1896. 19. hefte, p. 121-32) *Title tr.:* Pycnogonids and malacostracan crustaceans.

List, with localities and remarks, of six species of sea spiders and sixty-eight of crustaceans collected in Scoresby Sound and in Denmark Strait off Angmagssalik. Summary in French, p. 259-60. *Copy seen:* DLC.

6602. HANSEN, HANS JENSEN, 1875-. Meteorological observations on the Alabama Expedition. (*In:* Mikkelsen, Ejnar. Alabama-expeditionen til Grønlands nordøstkyst 1909-1912, nr. 4. *Pub. in:* Meddelelser om Grønland, 1922. Bd. 52, p. 217-95, diags., tables)

Contains tables of daily observations (1) aboard ship, July 22 to Aug. 24, 1909, across Greenland Sea; (2) on Shannon Island, northward sledge journey, and on Bass Rock, Sept. 1909-July 1912; (3) journey out Danmark Fiord and around coast to 77°30'N.; May-Sept. 1910; (4) Mikkelsen's inland ice journey, Mar. 24 to May 13, 1910, on King Frederick VIII Land, and Laub's inland ice journey, Apr. 10-May 10, 1910, to Queen Louise Land; with monthly summaries. *Copy seen:* DLC.

HANSEN, JOHANNES, *see* HANSÉ-RAK (JOHANNES HANSEN), 1837-1911.

6603. HANSEN, K. Om mulighed for landbrug i Grønland. (Grønlandske selskab. Aarsskrift, 1925-26, p. 70-88, table) *Title tr.:* Concerning the possibilities for farming in Greenland.

Discusses geographic position, area, fertility, climate, farming by early colonists, vegetation, soil, climatic changes through the ages, sheep and cattle raising, etc., distribution of farming places in southern and western Greenland; with statistics.

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6604. HANSEN, PAUL M. The age-composition of the stock of cod in West Greenland waters in the years 1924 to 1938. (International Council for the Study of the Sea. Rapports et procès-verbaux, 1938-39, *pub.* 1939. v. 109, pt. 3, p. 60-65, diags.)

The age determinations were made by otoliths (calcareous concretions from the ear, which show the winter zones more distinctly than do the fish's scales). Material was collected at fishing stations and on offshore banks as far north as Sukkertoppen.

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6605. HANSEN, PAUL M., and others. Cod marking experiments in the waters of Greenland, 1924-1933. København, C. A. Reitzel, 1935. 119 p. incl. 25 sketch charts, tables. (Denmark. Kommissionen for Danmarks fiskeri og havundersøgelser. Meddelelser; ser. fiskeri. Bd. 10, nr. 1) *Other authors:* Ad. S. Jensen and Å. Vedel Tåning.

Contains (section 1) a review of experiments, methods, etc., conditions affecting results, and notes on evidence of periodic alterations in the marine fauna of Greenland; (section 2) the migrations and age and size of cod, direction and extent, time in sea and rate of migration for West Greenland and East Greenland (between Angmagssalik and Iceland); and (section 3) general survey of the marking experiments; with a bibliography.

Copy seen: DF.

6606. HANSEN, PAUL M. Greenland. (International Council for the Study of the Sea. Annales biologiques, 1939-41, *pub.* 1943. v. 1, p. 106-124, incl. 12 p. of tables, diags.)

A survey of the area of offshore banks between 62°N. and 68°15'N., and on the west coastal waters from Cape

Farewell to Umának, carried out as part of routine work, on the "north-western area", by the Council. Includes statistics on age groups, size, marking experiments, etc. of the cod, the small cod (ovak), halibut, Greenland halibut, and capelin. *Copy seen: DF.*

6607. HANSEN, PAUL M. M/K "Adolf Jensen's fiskeriundersøgelser i 1946. (Grønlandsposten, Dec. 1, 1946. Aarg. 5, p. 233-35) *Title tr.:* Fishery investigations by the motor cutter *Adolf Jensen*, 1946.

General account of type of work done by the vessel in Greenland waters.

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6608. HANSEN, PAUL M. Oversigt over fiskeri-undersøgelserne ved Grønland. (Grønlandske selskab, Aarsskrift, 1937. p. 19-58, illus. diagrs. sketch map, tables) *Title tr.:* Survey of the fishery investigations near Greenland.

Notes inception of systematic investigations by Prof. Adolf S. Jensen, 1908-09, in the *Tjalfe*, results of later investigations; discusses temperature, currents and other influences on the piscatorial ocean life; gives data on the halibut, cod, shark, herring, salmon and other species of fish, and their distribution; also on catch and production, migrations of the cod, etc. Includes statistics and bibliography.

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6609. HANSEN, PAUL M. Synopsis of investigations into fluctuations in the stock of cod at Greenland during the years 1930-1933. (International Council for the Study of the Sea. Rapports et procès-verbaux, 1934. v. 86, no. 2, p. 1-11, tables, sketch chart, diagrs.)

Contains results of investigations on age determinations of a great number of cod, in waters off West Greenland between Julianehaab and Holsteinsborg districts.

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HANSEN, PAUL M., *see also* Jensen, A. S., & P. M. Hansen. Investigations on Greenland cod. 1931.

HANSEN, PAUL M., *see also* Jensen, A. S., & P. M. Hansen. Undersøgelser Grønlandske torsk. 1930.

HANSEN, PAUL M., *see also* Kramp, P. L. Godthaab Exped. 1928. Medusae. 1942.

6610. HANSEN, SIGURD. Nyere opfattelser af bevaegelsesmekanikken for gletscheris belyste ved egne iagttagelser paa Frederikshaab Isblink i Grønland. (Naturens verden, Okt. 1932. Aarg. 16, p. 357-76, illus.) *Title tr.:* New information on the mechanics of motion of glacier ice, with special regard to the Frederikshaab Isblink in Greenland.

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6611. HANSEN, SØREN, 1857-1946. Bidrag til Eskimoernes kranologi. (In: Ryder, C. H. Den østgrønlandske expedition, 1. del, 7. *Pub.* in: Meddelelser om Grønland, 1895. 17. hefte, p. 345-56) *Title tr.:* Contribution to the craniology of Eskimos.

Discussion of twenty Eskimo crania from East Greenland.

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6612. HANSEN, SØREN, 1857-1946. Bidrag til østgrønlaendernes anthropologi. (In: Østgrønlandske expedition, 1883-1885. Beretninger, 2. del, 1. *Pub.* in: Meddelelser om Grønland, 1888. 10. hefte, p. 1-41, tables) *Title tr.:* Contribution to the anthropology of the East Greenlanders. Published in English as: *Contributions to the anthropology of the East Greenlanders*, 1914, q.v.

Anthropological and anthropometric discussion of East Greenland and Eskimos, based on observations and measurements of one hundred thirty-six individuals and sixteen crania.

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6613. HANSEN, SØREN, 1857-1946. Bidrag til vestgrønlaendernes anthropologi. (Meddelelser om Grønland, 1893. 7. hefte, p. 163-248, illus., 8 plates, incl. photos.) *Title tr.:* Contribution to the anthropology of the West Greenlanders.

Result of anthropometric study of 2500 Eskimos made by the author during the Danish Expedition to West Greenland, 1885, and during his trip to the Disko and Umának regions, 1888. Measurements of body height and proportions, shape of head and face, color of skin, hair and eyes; with supplement on color sense and teething and shedding of teeth; introductory chapter on the origin of the West Greenland Eskimos. Summary in French, p. 274-78.

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6614. HANSEN, SØREN, 1857-1946. Contributions to the anthropology of the East Greenlanders. (*In*: Thalbitzer, W. C. The Ammassalik Eskimo, pt. 1, no. 2. *Pub.* in: Meddelelser om Grønland, 1914. Bd. 39, p. 149-79, tables)

Revised translation of the author's *Østgrønlandernes anthropologi*, 1888, q.v. *Copy seen: DLC.*

HANSEN, W. J., *see* Saskatchewan. Dept. of Co-operation & Co-operative Development. Ice conditions Hudson B. Route. 1949.

HANSEN, W. J., *see* Saskatchewan. Dept. of Co-operation & Co-operative Development. Imports via Hudson B. Route 1948. 1949.

6615. HANSEN, WALTER. Die Strömungen im Barents-Meer im Sommer 1927 auf Grund der Dichteverteilung. Hamburg, 1936. 41 p. incl. tables. 4 fold. diagrs. (Deutsche Seewarte, Hamburg. Aus dem Archiv der Deutschen Seewarte. Bd. 55, Nr. 5) *Title tr.*: The currents in Barents Sea, summer 1927, based on the distribution of density.

Results of observations from the *Poseidon*; a mathematical discussion of horizontal and vertical circulation in Barents Sea, with sections on the polar border waters and layers in the sea. *Copy seen: DLC.*

6616. HANSERAK (JOHANNES HANSEN), 1837-1911. Den grønlandske kateket Hanséraks dagbog om den danske Konebådsekspektion til Ammassalik i Østgrønland 1884-85. Udgivet af William Thalbitzer. Oversat fra Grønlandsk af Pastor O. K. Skårup i Grønland 1886. Med. indledning af Kommandør Gustav Holm. København, G. E. C. Gads forlag, 1933. 248 p. illus. port. (Grønlandske selskab. Skrifter 8) *Title tr.*: The Greenlandic catechist Hansérak's diary concerning the Danish umiak expedition to Angmagssalik in East Greenland 1884-85. Edited by William Thalbitzer; translated from the Greenlandic by the Rev. O. K. Skårup in Greenland 1886; with an introduction by Commodore Gustav Holm.

Describes trip in umiaks and kayaks from Sydprøven, on the southwest coast of Greenland to Angmagssalik (65°30'N. on the east coast) and return to Julianehaab; with account of missionary work in East Greenland,

Eskimo customs, dialect, beliefs, etc., rituals of exorcism and incantations. Describes ice and weather conditions, bird and seal hunting, iceblink, glaciers, snowstorms, and wintering at Angmagssalik Fiord. Includes roster of, and data on expedition members, notes on the language; vocabulary and bibliography.

Copy seen: NN; NNA; NNStef.

6617. HANSERAK (JOHANNES HANSEN), 1837-1911. List of the inhabitants of the east coast of Greenland, made in the autumn of 1884. Remarks on the list by G. Holm. (*In*: Thalbitzer, W. C. The Ammassalik Eskimo, pt. 1, no. 3. *Pub.* in: Meddelelser om Grønland, 1914. Bd. 39, p. 181-201, tables)

Translation of the author's *Liste over beboerne af Grønlands østkyst, optagen i efteraaret 1884. Bemaerkninger til listen af G. Holm*, 1888, q.v. *Copy seen: DLC.*

6618. HANSERAK (JOHANNES HANSEN), 1837-1911. Liste over beboerne af Grønlands østkyst, optagen i efteraaret 1884. Bemaerkninger til listen af G. Holm. (*In*: Østgrønlandske expedition, 1883-1885. Beretninger, 2. del, 3. *Pub.* in: Meddelelser om Grønland, 1888. 10. hefte, p. 183-206, tables) *Title tr.*: List of the inhabitants of the east coast of Greenland, made in the autumn of 1884. Remarks on the list by G. Holm. Also published in English with title as above.

List, indicating age, sex, and the number of kayaks, umiaks and tents of four hundred thirteen out of the five hundred forty-eight inhabitants of Greenland's east coast north to Angmagssalik; with explanatory remarks and tables. Summary in French, p. 382-84. *Copy seen: DLC.*

HANSKY, A., *see* GANSKII, ALEKSEI PAVLOVICH.

HANSON, GEORGE, 1891- , *see* Chipman, K. G., & G. Hanson. Mapping by Bureau of Geology & Topography. 1944.

HANSON, GEORGE. 1891- , *see* Smith, P. S., & G. Hanson. Geology (Program of investigations). 1946.

6619. HANSON, HAROLD CARSTEN, 1917- , and others. 1949 Perry River Expedition. (*In*: Crissey, W. F., and

others. Waterfowl populations and breeding conditions—summer 1949, *pub.* 1949. p. 225-28) *Other authors:* Peter Scott and Paul Queneau.

Brief, preliminary report on activities supported by the Arctic Institute of North America, June-Aug. 1949, in the area of Ellice, Perry and Armark Rivers, Northwest Territories. Notes on abundance and breeding of geese and ducks, and mention of twelve species of birds not previously recorded from the region.

Copy seen: CaMAI; DF.

6620. HANSON, HAROLD CARSTEN, 1917- , and others. Waterfowl of the forested portions of the Canadian Pre-Cambrian Shield and the Paleozoic basin. (Canadian field naturalist, Sept.-Oct. 1949. v. 63, p. 183-204, illus., tables, sketch map) *Other authors:* Murray Rogers and E. S. Rogers.

Based on field studies by the authors in 1946, 1947, and 1948, and a survey of the literature. The senior author worked under the auspices of the Arctic Institute of North America, 1946-47. In 1948, the other authors were supported by the Peabody Foundation for Archaeology and the Viking Fund. They give here a description of the physical features of the routes and the water areas in the regions of Kenogami, Albany, Rupert, Mistassini Rivers, and others; extensive field notes on eleven species of game ducks, and general discussion of waterfowl populations in Labrador, northern Quebec, Ontario and Manitoba. Bibliography (52 items). *Copy seen:* DSI-M.

6621. HANSEN, HELMER JULIUS, 1870- . Gjennem isbaksen, atten år med Roald Amundsen. Oslo, H. Aschehoug & Co. (W. Nygaard) 1941. 3 p. l., [5]-218 [1] p., 1 l. incl. front. (double map) plates, ports. *Title tr.:* Through the ice-pack; eighteen years with Roald Amundsen.

Norwegian edition of the author's *Voyages of a modern viking*, 1936, q.v. *Copy seen:* DLC.

6622. HANSEN, HELMER JULIUS, 1870- . Voyages of a modern viking. London, George Routledge & Sons, 1936. x, 216 p. plates, double map.

Autobiographical sketch of a sea captain who accompanied Amundsen on the *Gjøa* through the Northwest Pas-

sage, 1903-1906, and piloted the *Maud*, on a Northeast Passage, 1918-22, during which he made sledge journeys along the arctic shores of Siberia.

Copy seen: DLC.

HANSEN, HELMER JULIUS, 1870- , see also Amundsen, R. E. G. Nordostpassagen. Maudfaerden 1918-20. 1921.

6623. HANSEN, LORENS, 1750-1818. Grønlandsfarerne i aaret 1777. En fædrenelandsk tildragelse, samlet og udgivet af Lorens Hansen. Fridericia, Trykt hos S. Elmenhoff, 1806. 2 p. l., xix, [8], 143 p., 1 l. *Title tr.:* Greenland travelers in the year 1777. An event concerning our native country; compiled and edited by Lorens Hansen.

Contains general remarks on whaling in arctic waters, dangers connected with it, and participation by Danes; brief account of the wrecking of twelve Dutch and Hamburg whaling vessels in the ice east of Greenland in 1777, and accounts, written or told by Danish survivors, of their experiences during the shipwreck, their wandering on the ice and their sojourn among primitive Eskimos or Danish colonists.

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6624. HANSEN, OLAF, 1882- . Bjørnøyar-minne frå 1923. (Polar-årboken, 1934. p. 41-50, illus.) *Title tr.:* Reminiscences from Bear Island, 1923.

Sketch of history, natural resources, coal mining, comment on German and Russian claims to sovereignty.

Copy seen: NN.

6625. HANSEN, OLAF, 1882- . Dei fyrste på toppen av Viktoria-øye. (Polar-årboken, 1933. p. 131-33, illus.) *Title tr.:* The first to climb to the top of Victoria Island.

Note on Victoria Island (80°5'-10°N. 36°-37°E.), its discovery, the author's ascent of its peak in 1930, and Russian sovereignty 1933.

Copy seen: NN.

6626. HANSEN, OLAF, 1882- . Nokre sumar-døgger ved øyane i austisen då Andree-lægeret vart funne. (Polar-årboken, 1940. p. 22-33, illus.) *Title tr.:* A few summer days at the islands in the eastern ice fields.

Work of the *Bratvaag* expedition in 1930 to Hope Island, northern Svalbard, and Franz Josef Land; discovery

of remains of the Andrée balloon expedition on White Island.

Copy seen: NNA.

6627. HANSSEN, OLAF, 1882- , and JENS HOLMBOE. The vascular plants of Bear Island. (Nytt magasin for naturvidenskapene, 1925. Bd. 62, p. 210-35, text map)

Contains brief data on the botanical exploration of Bear Island and a list of fifty-five vascular plants with critical notes and data on local distribution, based on herbarium material and observations of the senior author; bibliography (30 items).

Copy seen: MH-Z.

6628. HANSSEN, OLAF, 1882- , and JOHANNES LID. Flowering plants of Franz Josef Land collected on the Norwegian Scientific Expedition 1930. Oslo, J. Dybwad, 1932. 42 p. illus. (incl. map). (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 39)

A list, with descriptions and locations, of thirty-six species of flowering plants, together with an historical summary of botanical exploration, and discussion of plant distribution on Franz Josef Land.

Copy seen: DLC.

HANSSEN, OLAF, 1882- , see also Lyng, B. Small contribution to lichen flora E. Svalbard I. 1939.

HANSSEN, OLAF, 1882- , see also Størmer, P. Bryophytes Franz Josef Land. 1940.

6629. HANSTEEN, BARTHOLD. Algeregioner og algeformationer ved den norske vestkyst. (Nytt magasin for naturvidenskapene, 1892. Bd. 32, hefte 4, p. 341-63) *Title tr.*: Algal regions and formations on western coast of Norway.

Contains a study of marine algae along western coast of Norway with data on algal formations, lists of typical species for various natural regions and notes on their distribution. Includes some native to Greenland Sea.

Copy seen: MH-A.

6630. HANSTEEN, CHRISTOPHER, 1784-1873. *Anmaerkninger til Kapt. Scoresby's beretning.* (Magazin for naturvidenskabene, 1824. Bd. 3, p. 85-109) *Title tr.*: Supplementary remarks on Capt. Scoresby's report.

Contains some critical notes, published as a supplement to Capt. Scores-

by's, *Gåmle Grönlands osterbygds nye opdagelse*, 1824, (*ibid.* p. 62-85) including data on aurora borealis and terrestrial magnetism compiled from the observations of earlier arctic explorers.

Copy seen: MH-Z.

6631. HANSTEEN, CHRISTOPHER, 1784-1873. On the aurora borealis and polar fogs. (Edinburgh philosophical journal, 1825. v. 12, p. 83-93, 235-38) Translation of his *Anmaerkninger til Kapt. Scoresby's beretning*, 1824, q.v.

The author published corrections to this translation as his *Zusätze und Berichtigungen*, 1826, q.v. Translation in German, from this English translation, appeared as *Ueber Polarlichter und Polarnebel*, 1826, q.v.

Contains discussion of the origin of the lights at points on the earth coinciding with the magnetic poles, the effect of auroras on magnetic needles, and possible effects on temperature; with a brief note on fog.

Copy seen: DLC.

6632. HANSTEEN, CHRISTOPHER, 1784-1873. *Ueber Polarlichter und Polarnebel.* (Journal für Chemie und Physik, 1826, Bd. 16, p. 188-220)

Translation of his, *On the aurora borealis and polar fogs*, 1825, q.v. with some additional notes by the translator and a brief extract from Arago on the effect of distant auroras on the magnetic needle. This translation made without reference to the original Danish, and as a result certain corrections and additions were published subsequently as, *Zusätze und Berichtigungen zu den Bemerkungen über Polarlichter* (etc.) 1826, q.v.

Copy seen: DLC.

6633. HANSTEEN, CHRISTOPHER, 1784-1873. *Zusätze und Berichtigungen zu den Bemerkungen über Polarlichter und Polarnebel.* (Journal für Chemie und Physik, 1826. Bd. 48, p. 360-73) *Title tr.*: Additions and corrections to the remarks on auroras and polar fog.

Prof. Hansteen here brings to light certain errors and misunderstanding which appeared in the English translation (*On the aurora borealis and polar fogs*) from his original paper, *Anmaerkninger til Kapt. Scoresby's beretning*.

Copy seen: DLC.

6634. HANSTEEN, CHRISTOPHER, 1784-1873, and CHRISTIAN DUE. *Resultate magnetischer, astronomischer*

und meteorologischer Beobachtungen auf einer Reise nach dem östlichen Sibirien in den Jahren 1828-1830. Christiania, Gesellschaft der Wissenschaften zu Christiania, 1863. p. l., x p., 1 l., 189, [1] p. 4 fold. maps (incl. diagrs.) **Title tr.:** Results of magnetic, astronomic and meteorological observations on a journey to eastern Siberia, 1828-30.

Subtitle tr.: In addition, simultaneous observations by Dr. Erman in Kamchatka, by G. Fuss in Peking, and by Baron von Wrangel and Lt. Anjou in northeastern Siberia and on the Arctic Ocean, 1821-23.

Contains results of observations from many localities in northern Europe and Asia, including a few land stations north of 62°N. and a few in Kamchatka, also some observations from the Arctic Shelf seas.

Tables include daily measurements of magnetic elements, daily meteorological observations, and geodetic determinations made during summer seasons of 1828-30.

Charts show lines of geomagnetic total intensity, inclination and declination for all of northern Europe and Asia.

Copy seen: DLC.

HANSTEEN, CHRISTOPHER, 1784-1873, see also Sabine, Sir E. Observ. magnetism arctic regions. 1830.

6635. HANSTRÖM, BERTIL. A comparative study of the hypophysis in the polar bear and some Swedish Carnivora. Stockholm, Almqvist & Wiksell, 1947. 46 p. illus. (Svenska vetenskapsakademien. Handlingar. Ser. 3, Bd. 24, no. 7)

Detailed anatomical study of the pituitary gland of the polar bear, brown bear, fox, stoat, weasel, mink, wolverine, and other mammals; with a bibliography (50 items).

Copy seen: DLC.

HANTKE, G., see Reck, H., & G. Hantke. Überblick d. tätigen Vulkane Kamtschatkas. 1935.

HANTSCH, B. A., see HANTZSCH, BERNHARD ADOLF, 1875-1911.

6636. HANTZSCH, BERNHARD ADOLF, 1875-1911. Beiträge zur Kenntnis des nordöstlichsten Labradors. (Verein für Erdkunde zu Dresden. Mitteilungen, 1907-08, pub. 1909. Bd. 45, p. 168-229, 245-320, illus., 5 plates) Pub-

lished in English as: *Contributions to the knowledge of extreme northeastern Labrador, 1931-32, q.v.*

Contains an account of the author's visit and investigations in 1906; descriptions of the physical geography of the east coast and of Ungava Bay region; lists of (sixty-nine) plants and (ninety-nine) birds collected; and (in greater detail) descriptions of the Eskimos' physical characteristics, diseases, food, clothing, dwellings, hunting, fishing, social organization, customs, mythology, and beliefs, with remarks on their language and songs.

Reviewed by Robert Stein: *Bernard Hantzsch's notes on northeastern Labrador*, in American Geographical Society Bulletin, Sept. 1909, v. 41, p. 566-75.

Copy seen: DGS.

6637. HANTZSCH, BERNHARD ADOLF, 1875-1911. Beitrag zur Kenntnis der Vogelwelt des nordöstlichsten Labradors. (Journal für Ornithologie, 1908. Bd. 56, p. 175-202, 307-392) English translation published as: *Contribution to the knowledge of the avifauna of northeastern Labrador, 1928-29, q.v.*

Results of the author's visit in Port Burwell (Killinek), July-Nov. 1906. In pt. 1 (general part) is an account of the water birds seen during the voyage, description of the region around Port Burwell and the east coast of Ungava Bay, the migratory habits of the birds; also remarks on the Eskimos, their hunting and use of birds, and superstitions concerning birds.

Pt. 2 (detailed part) is a list of ninety-eight species, with notes on occurrence, localities, breeding, nesting and migratory habits, with many descriptions, and some Eskimo names.

Copy seen: DSI-M.

6638. HANTZSCH, BERNHARD ADOLF, 1875-1911. Beobachtungen über die Säugetiere von Baffin Island. (Gesellschaft naturforschender Freunde zu Berlin. Sitzungsberichte, 1913. p. 141-60, illus.) **Title tr.:** Observations on the mammals of Baffin Island.

Annotated list of reindeer, lemmings, wolves, hares, foxes, walrus, various seals and the white whale. Based on the field journal kept by Hantzsch during his investigations on Baffin Island in 1909-1911, from Cumberland Sound region to Foxe Channel.

Copy seen: DLC.

6639. HANTZSCH, BERNHARD ADOLF, 1875-1911. Contribution to the knowledge of the avifauna of north-eastern Labrador. (Canadian field naturalist, 1928-29. v. 42, p. 2-9, 33-40, 87-94, 123-25, 146-48, 172-77, 201-07, 221-27; v. 43, p. 11-18, 31-34, 52-59)

Translation of his: *Beitrag zur Kenntnis der Vogelwelt des nordöstlichsten Labradors*, 1908, q.v., with the addition of a biographical note concerning the author, footnotes, and remarks on his publications, by M. B. A. Anderson and R. M. Anderson.

Copy seen: DGS.

6640. HANTZSCH, BERNHARD ADOLF, 1875-1911. Contributions to the knowledge of extreme northeastern Labrador. (Canadian field naturalist, 1931-32. v. 45, p. 49-55, 85-90, 115-18, 143-46, 169-74, 194-98, 222-24; v. 46, p. 7-12, 34-36, 56-63, 84-89, 112-16, 143-45, 153-62)

Translation of his: *Beiträge zur Kenntnis des Nordöstlichen Labradors*, 1909, q.v.

Copy seen: DGS.

6641. HANTZSCH, BERNHARD ADOLF, 1875-1911. Eskimo stone graves in north-eastern Labrador and the collection of anthropological material from them. (Canadian field naturalist, Nov. 1930. v. 44, p. 180-82)

Translation of his: *Über Eskimo-Steingräber im nordöstlichen Labrador und das Sammeln anthropologischen Materials aus solchen*, 1908, q.v.

Copy seen: DGS.

6642. HANTZSCH, BERNHARD ADOLF, 1875-1911. Ornithologisches Tagebuch; Aufzeichnungen während einer Reise in Baffinland. (Gesellschaft Naturforschender Freunde zu Berlin. Sitzungsberichte, 1914. p. 129-65) *Title tr.*: Ornithological journal; records of a journey on Baffin Island.

Contains unrevised notes on thirty-seven species of birds, made during the author's expedition from Cumberland Sound across Baffin Island to Foxe Basin, 1909-11.

Copy seen: DLC.

6643. HANTZSCH, BERNHARD ADOLF, 1875-1911. Über Eskimo-Steingräber im nordöstlichen Labrador und das Sammeln anthropologischen Materials aus solchen. (Dresden. Staatliches Museum für Tierkunde und Völkerkunde. Abhandlungen und Berichte, 1908. Bd. 12, p. 55-58) English trans-

lation was published as his: *Eskimo stone graves in north-eastern Labrador and the collection of anthropological material from them*, 1930, q.v.

Results of investigations by the author during a visit in the Port Burwell region, July-Nov. 1906.

Copy seen: DSI-M.

HANTZSCH, BERNHARD ADOLF, 1875-1911, see also Hesse, E. B. Hantzschs ornithologische Ausbeute. 1915.

HARALA, ALPO, see Keltikangas, V., & A. Harala. Eräitä tietöja Luttojoen Petsamon. 1938.

6644. HARANG, LEIV, 1902-. Filteraufnahmen von Polarlicht. Oslo, Cammermeyer, 1934. 27 p. illus. 4 plates (Geofysiske publikasjoner. v. 10, no. 8) *Title tr.*: Filter absorption of aurora.

Results of studies made in 1931-33, at the Auroral Observatory, Tromsø, with filters for infrared, red, green, blueviolet and ultraviolet. Contains notes on the green and blueviolet absorption, of homogeneous arcs, draperies, and diffuse luminous surfaces; on absorption through objective prisms; on the change of spectral green and violet composition of aurora; filter absorption in red and green, infrared and ultraviolet; and research on polarization of aurora.

Copy seen: DLC.

6645. HARANG, LEIV, 1902-. Height measurements of selected auroral forms. Oslo, Cammermeyer, 1937. 31, [1] p. incl. 63 illus. (incl. sketch maps) tables, diagrs. plate. (Geofysiske publikasjoner. v. 12, no. 1)

Based on parallax photographs of auroras taken over a period of years at the Auroral Observatory, Tromsø.

Copy seen: DLC.

6646. HARANG, LEIV, 1902-. The mean field of disturbance of the polar earth-magnetic storm. Oslo, Cammermeyer, 1946. 45 p. illus., diagrs., tables. (Geofysiske publikasjoner, v. 16, no. 12)

Discusses the mode of representation of the field of disturbance; the height and dimensions of the disturbing current systems; the field of disturbance of the greatest storms; the characteristics of the perturbing vector at Tromsø; the properties of the impetus-

vector; registration of the auroral luminosity during earth-magnetic storms. Includes summary. **Copy seen:** NN.

6647. HARANG, LEIV, 1902- . Pulsations in the terrestrial magnetic records at high latitude stations. Oslo, Grøndahl & søns boktr., i Cammermeyer, 1942. 12 p. plate, diagrs. (Geofysiske publikasjoner, v. 13, no. 3)

Results of an investigation of the characteristics of giant micropulsations which produce simultaneous oscillations of the magnetic elements in a close network of stations in northern Norway and Finland (Tromsø, Bossekop, Bodø, Sodankylä and Abisko); with a photographic plate showing rapid record registrations of the pulsations.

Copy seen: DLC.

6648. HARANG, LEIV, 1902- , and **E. TØNSBERG.** Investigations of the aurora borealis at Nordlys observatoriet, Tromsø, 1929-1930. Communications from the Auroral Observatory, Tromsø. [Oslo, Cammermeyer, 1932] 50 p. incl. illus., tables, diagrs. 3 plates. (Geofysiske publikasjoner. v. 9, no. 5)

Results of height-measurements of the aurora, using two parallactic photos, spring 1929, and winter 1929-30.

Copy seen: DLC.

HARANG, LEIV, 1902- , see also International Polar Year. 2d, 1932-1933. Norske institut. f. kosmisk fysikk. Norwegian publ. no. 2. 1935.

HARANG, LEIV, 1902- , see also Norske institutt for kosmisk fysikk. Auroral observatory Tromsø. Results magnet. observ. 1930-46. 1932-49.

HARANG, LEIV, 1902- , see also Vegard, L., & L. Harang. Auroral spectrum region long waves. 1933.

HARANG, LEIV, 1902- , see also Vegard, L., & L. Harang. Recent results spectral analysis auroral luminence. 1937.

HARANG, LEIV, 1902- , see also Vegard, L., & L. Harang. Wavelength of green auroral line. 1934.

HARBICH, see International Society for the Exploration of the Arctic Regions by Means of Aircraft. Luftschiff als Forschungsmittel. 1924.

6649. HARDENBERG, WILLIAM ANDREW, 1888- . Arctic sanitation.

(American journal of public health, Feb. 1949. v. 39, p. 202-204)

Discussion in general terms, of problems for armed service and other groups, of water supply, sewage and waste disposal, insect control, and food, shelter, transportation and clothing in permafrost areas. **Copy seen:** DLC.

6650. HARDER, POUL, and others. The marine Quaternary sediments in Disko Bugt. København, C. A. Reitzel, 1949. 85 p. illus., 8 plates (on 6 l., incl. 2 maps) (Meddelelser om Grønland. Bd. 149, nr. 1) Other authors: A. S. Jensen and D. Laursen.

Based on studies in four localities around Disko Bay (1906 and 1946). Descriptions and discussion of six horizons, with lists of fossils for each, and a prefatory note pointing out that *Pecten islandicus* Müll. in high-arctic regions must be regarded as a relict.

Copy seen: CaMAI; DGS.

6651. HARDISTY, W. L. The Loucheux Indians. (In: Gibbs, G. Notes on the Tinneh or Chippewyan Indians, in Smithsonian Institution. Annual report, 1866, pub. 1867. p. 311-20)

Contains a general description of the Loucheux (or Kutchin) Indians, as the author observed them, their customs, legends and beliefs.

Copy seen: DLC.

6652. HARDY, A. C., and others. The arctic plankton collected by the *Nautilus* Expedition, 1931. Parts I-III. (Linnean Society of London. Journal; Zoology, Apr. 1936. v. 39, p. 391-412, illus.)

During the voyage, Aug. 30-Sept. 5, the submarine *Nautilus*' scientific staff collected ten samples of plankton at five stations north of Spitsbergen, between 81°01'N. and 81°50'N., the most northerly open water plankton samples (then) collected by an expedition. These papers form a partial report on the results.

Contents: 1. Hardy, A. C. General account.

2. Farran, G. P. Report on the Copepoda.

3. Garstand, W., and E. Georgeson. Report on the appendicularians.

Copy seen: DSI-M.

6653. HARDY, ROBERT MacDONALD, 1906- . Research on frost action in soils. Why thousands of miles of

highways are severely damaged by frost every year; how to build runways and buildings on permafrost foundations. (Roads and bridges, Sept. 1946. v. 84, no. 9, p. 74-76, 102, illus.)

Paper read at "the first refresher course on soil mechanics and concrete," University of Alberta. Contains a review of the research of Taber, Beskow and Casagrande; discussion of methods for combating frost heaving and for building on permafrost ground.

Copy seen: DLC.

6654. HARDY, ROBERT MacDONALD, 1906- , and E. D'APPOLONIA. Permanently frozen ground and foundation design. (Engineering journal, Jan. 1946. v. 29, no. 1, p. 4-11, illus., diagrs.)

Pt. 1, by R. M. Hardy, "deals with the theory of frost action in soils and presents results of tests . . . run on samples of frozen soil from Alaska and the Yukon area".

Pt. 2, by E. d'Appolonia, "deals with problems encountered with foundations of structures and aircraft runways" in permafrost areas. **Copy seen:** DLC.

6655. HARE, F. KENNETH, and M. R. MONTGOMERY. Ice, open water, and winter climate in the eastern Arctic of North America: Part I-II. (Arctic, Sept.-Dec. 1949. v. 2, p. 79-89, 149-64, illus., 3 sketch maps, diagrs.)

Results of part of the research done by a group working at McGill University on the climatology of eastern Canada.

Contents: Pt. 1. Hare, F. K. Distribution of winter temperature over the eastern Arctic and sub-Arctic.

From climatic data for Canadian and Greenland Arctic, 1940-48, the author presents new air temperature maps, and evidence of the freezing over of Hudson Bay after January; discusses the open water bodies as "gulf of warmth" in Davis Strait-Baffin Bay, Hudson Strait and Hudson Bay.

Pt. 2. Montgomery, M. R. The pattern of winter ice.

The author summarizes present knowledge of winter conditions in each of the "gulfs of warmth", based on records of observers on land and sea in earlier years, and on flight observations 1927-28 (Hudson Strait), also winters of 1948-49 (Hudson Bay). Indicates that in late winter and early

spring Hudson Bay was completely ice-covered (1947-48, 1948-49) and that further observations are planned for 1949-50. **Copy seen:** CaMAI; DLC.

HARDY, ROBERT MacDONALD, 1906- , see also Frye, T. C., & L. Clark. Attu Island bryophytes by Hardy. 1946.

6656. HARFORD, W. G. W. Zoology collection. (In: Davidson, G. Report relative to the resources and the coast features of Alaska Territory. U. S. Coast and Geodetic Survey. Annual report, 1867, pub. 1869. Appendix no. 18, p. 290-92)

List, with locations, of sixty-three shells collected at Sitka, Kodiak Island and Unalaska Island.

Copy seen: DLC.

6657. HARING, INEZ M. Mosses collected by the Robert A. Bartlett Greenland Expedition 1940. (Bryologist, Sept. 1943. v. 46, p. 88-91)

Field notes and lists of species collected at West Turnavik, Labrador (55°15'N.), at Melville Bay, Cape York, Crimson Cliffs, Thule, Etah, and Inglefield Land, on the northwest coast of Greenland.

Copy seen: DA.

6658. HARIOT, PAUL, 1854- . Note sur les collections cryptogamiques rapportées par *La Manche*. (In: Voyage de "La Manche" a l'île Jan-Mayen et au Spitzberg (juillet-août 1892) 1894. p. 235-54) **Title tr.:** Note on the collection of cryptogams made by *La Manche*.

Contains a list (with some notes and localities) which includes one fungus, three lichens and twelve fresh-water and marine algae from Jan Mayen and its waters, and four fungi, forty-two lichens, thirty-three fresh-water and marine algae, and twenty mosses from West Spitsbergen and its waters.

Copy seen: DLC.

6659. HARLAND, W. B. Design for a sledge-wheel. (Polar record, Jan. 1939. No. 17, p. 10-11)

A wheel with cyclometer, used during the Cambridge Spitsbergen Expedition, 1938.

Copy seen: DLC.

6660. HARLAND, W. B. Geological notes on the Stubendorff Mountains, West Spitsbergen. (Royal Society of Edinburgh. Proceedings, 1941. Sec. B, v. 61, p. 119-29, 2 plates, fold. map)

Results of the Cambridge Spitsbergen Expedition, 1938. Description of the

metamorphic and Carboniferous rocks, discussion of subsequent history, including geomorphology and present corrie erosion, in the Stubendorff Mts. (Finnlandveggen). **Copy seen:** DLC.

6661. HARLING, GUNNAR. Die Chromosomenzahlen einiger *Carex*-Arten. (Botaniska notiser, 1945, häfte 1, p. 114-16, illus.) **Title tr.:** Chromosome numbers in some *Carex* species.

Contains a cytological study of seven sedges (*Carex*) from Japan and Siberia, including *C. gmelinii* from Kamchatka, with data on the number of their chromosomes.

Copy seen: MH-A.

6662. HARMELING, PEGGY. I attended a reindeer round-up. (Alaska sportsman, Apr. 1942. v. 8, no. 4, p. 8-11, 26, illus.)

Description of Eskimo activities at a Northern Alaska round-up during which the deer are counted, earmarked and the surplus killed for food.

Copy seen: DLC.

6663. HARMER, FREDERIC WILLIAM, 1835-1923. Further remarks on the meteorological conditions of the Pleistocene epoch. (Royal Meteorological Society. Quarterly journal, July 1925. v. 51, p. 247-59)

A hypothesis of oceanographical and meteorological processes and the extent of glaciated areas in the Northern Hemisphere and particularly the arctic regions during the Pleistocene epoch.

Copy seen: DLC.

6664. HARMSSEN, LOUIS, 1907-. Mosses. København, C. A. Reitzel, 1933. 40 p. 11 illus., fold. map. (Meddelelser om Grønland. Bd. 104, nr. 7)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX Land. From a collection made between Tasiuak, 65°37'N. and the fiord north of Cape Dalton, 69°30'N., the author gives an annotated list, with localities, of eighty-one species, a summary of the principal communities of plants, in which the mosses are grouped, and some account of ecologic and sociological conditions; also a list of mosses recorded from the area but not collected by the expedition. Bibliography (25 items).

Copy seen: DGS; DSI-M.

6665. HARMSSEN, LOUIS, 1907-. Studies on the cytology of arctic plants. København, C. A. Reitzel, 1939-43. 2 v.: 15 p.; 15 p. illus. (incl. maps) (Meddelelser om Grønland. Bd. 125, nr. 4; Bd. 131, nr. 10)

Studies made at the Danish Arctic Station, Disko: 1 (pub. 1939). Studies on the embryology and cytology of *Saxifraga*. 2 (pub. 1943). *Habenaria*. Bibliographies (26; 14 items).

Copy seen: DSI-M.

HARMSSEN, LOUIS, 1907-. Studies on the embryology and cytology of *Saxifraga*, see HARMSSEN, LOUIS, 1907-. Studies on the cytology of arctic plants. I.

6666. HARMSSEN, LOUIS, 1907-, and G. SEIDENFADEN. The Godthaab Expedition 1928. The mosses. København, C. A. Reitzel, 1932. 42 p. 5 illus. (Meddelelser om Grønland. Bd. 82, nr. 2)

Contains (1) a survey of localities in the Wolstenholme Fiord region and Ingfield Land, North Greenland, on Hakluyt Island and Bjorling Island in Smith Sound, and on Ellesmere Island and Baffin Island; (2) list, with occurrence, geographical distribution and remarks, of eighty-five species of mosses. Bibliography, p. 40-41.

Copy seen: DLC.

HARNONCOURT, RENÉ d', see Douglas, F. H., & R. d'Harnoncourt. Indian art of U. S. 1941, 1948.

HAROE, CHRISTEN BERTELSSØN, see Finnmark omkring 1700. 1932-45.

6667. HARPER, FRANCIS, 1886-. Amphibians and reptiles of the Athabasca and Great Slave Lakes region. (Canadian field naturalist, Mar. 1931. v. 45, p. 68-70)

Annotated record, of frogs heard and seen in the region south and east of Great Slave Lake, during a Canadian Geological Survey trip in 1914.

Copy seen: DLC.

6668. HARPER, FRANCIS, 1886-. The Athabasca-Great Slave Lake Expedition, 1914. (Canada. Geological Survey. Summary report, 1914, pub. 1915. p. 159-63)

Report of the field naturalist, on the trees, mammals and birds, (including a special section on the wood buffalo) in the basin of the Taltson River flow-

ing north into Great Slave Lake, 61°22' N. 112°45' W. *Copy seen:* DLC.

6669. HARPER, FRANCIS, 1886-. Fishes of the Nueltin Lake Expedition, Keewatin, 1947. Part 2—Historical and field notes. (Academy of Natural Sciences, Philadelphia. Proceedings, 1948. v. 100, p. 153-84, 2 plates)

During the Nueltin Lake Expedition, financed by the U. S. Office of Naval Research and administered by the Arctic Institute of North America, Francis Harper made intensive biological studies about Windy River and Windy Bay, at the northwestern side of the lake (about 60°50'N. 99°35'W.). This "paper is one of a contemplated series of reports on the fauna and flora collected and observed during the course of this expedition." It includes a fully annotated list of the sixteen species of fresh-water fishes, all, apparently, that were previously known from Keewatin; a simple list with localities of twelve marine species recorded from Keewatin waters; and a bibliography (40 items). *Copy seen:* CaMAI; DSI-M.

6670. HARPER, FRANCIS, 1886-. In caribou land; exploration in one of the least-known sections of Canada, where timber meets tundra. (Natural history, May 1949. v. 58, p. 224-31, 239-40, illus., incl. 2 sketch maps)

Account of the Nueltin Lake Expedition, 1947, to an area just north of the Keewatin-Manitoba boundary at about 100°W., with description of the behavior of caribou, as observed during their migration, and notes on their present status in the Keewatin regions visited. *Copy seen:* DLC.

6671. HARPER, FRANCIS, 1886-. Mammals of the Athabasca and Great Slave Lakes region. (Journal of mammalogy, Feb. 1932. v. 13, p. 19-36, 3 plates)

Based on observations and collections of a Canadian Geological Survey exploration in 1914, a brief account of the trip, and an annotated list of twenty-nine species, with a bibliography (14 items). *Copy seen:* DSI-M.

6672. HARPER, FRANCIS, 1886-. Physiographic and faunal areas in the Athabasca and Great Slave Lakes region. (Ecology, Jan. 1931. v. 12, p. 18-32, illus., sketch map)

Contains a study of Tazin Highlands, a part of the Canadian zone, with temperature practically the sole factor differentiating the vegetation and fauna between it and adjoining Hudsonian zone. *Copy seen:* DA.

6673. HARPER, FRANCIS, 1886-. Some plants of the Athabasca and Great Slave Lake region. (Canadian field naturalist, May 1931. v. 45, p. 97-107)

List, with notes on occurrence and localities, of over one hundred fifty plants, including lichens, mosses, ferns, trees and flowering plants, observed by the author in the region south and east of Great Slave Lake, during a Canadian Geological Survey trip, 1914.

Copy seen: DLC.

HARPER, FRANCIS, 1886-, *see also* Wurtz, C. B. Mollusks Nueltin Lake Exped. 1947. 1949.

6674. HARRIES, C. Det Grønlandske selskab. (Grønlandske selskab, Aarskrift, 1929-30. p. 5-10) *Title tr.:* The Greenland Society.

Review work and accomplishment during its 25-year existence.

Copy seen: NN.

6675. HARRIES, C., and TH. THOMSEN. Knud Rasmussen. (Grønlandske selskab. Aarskrift, 1933-34. p. 12-19) *Title tr.:* Knud Rasmussen.

Contains tributes to his life, as an explorer and man; notes his contribution to the literature of the Arctic in ethnology, geography, archeology, etc.; also honors bestowed on him.

Copy seen: NN.

6676. HARRIMAN ALASKA EXPEDITION. 1899. Harriman Alaska series. vol. I-V, VIII-XIV. Washington, Smithsonian Institution, 1910-14. 12 v. in 13. fronts. (v. 1-5, 8-9) illus., plates (part col.) maps. Edited by C. H. Merriam.

A series of volumes containing fifty-six papers, twenty-one of which were originally published in the Proceedings of the Washington Academy of Sciences, 1900-02, and later privately reprinted, with additional papers, as Harriman Alaska Expedition, Alaska, v. 1-5, 8-13, through Doubleday Page & Co., New York, 1902-05. The publication of the series was transferred to the Smithsonian Institution in 1910, and became the Harriman Alaska

Series, the "remainder" of the edition (v. 1-5, 8-13 already published) and any further volumes (e.g. v. 14 *pub.* 1914) becoming publications of the Smithsonian Institution, and bearing special Smithsonian title pages.

The expedition was organized and financed by Edward H. Harriman, and included twenty-five scientists. During the summer of 1899, it cruised the waters off southeastern and southern Alaska and the eastern Aleutians, and Bering Sea, making stops for scientific investigations and collecting at many places, among others, Wrangell, Sitka, Lynn Canal, Glacier Bay, Yakutat, Prince William Sound, Cook Inlet, Seldovia, Kukak Bay, Kodiak and Popoff Islands, Dutch Harbor, the islands of Bering Sea, Port Clarence, Alaska, also Plover Bay on Chukotsk Peninsula.

Contents: v. 1. Burroughs, John, and others. *Narrative, glaciers, natives.* 1902. xxxix, 183 p. illus., 59 plates, fold. map.

BURROUGHS, J. *Narrative of the expedition.*

MUIR, J. *Notes on Pacific glaciers.*

GRINNELL, G. B. *The natives of the Alaska coast region.*

v. 2. Dall, W. H., and others. *History, geography, resources.* 1902. 2 p. l., 185-393 p. illus., 64 plates. (Vols. 1-2 are paged continuously, with one table of contents and one index).

DALL, W. H. *The discovery and exploration of Alaska.*

KEELER, C. *Days among Alaska birds.*

FERNOW, B. E. *Forests of Alaska.*

GANNETT, H. *General geography.*

BREWER, W. H. *The Alaska atmosphere.*

MERRIAM, C. H. *Bogoslof our newest volcano.*

GRINNELL, G. B. *The salmon industry.*

WASHBURN, M. L. *Fox farming in Alaska.*

v. 3. GILBERT, G. K. *Glaciers and glaciation.* 1904 xii, 231 p. illus., 18 plates (incl. 6 maps).

v. 4. Emerson, B. K., and others. *Geology and paleontology.* 1904. x, 173 p. illus., 33 plates, fold. map.

GILBERT, G. K. *Introduction.*

EMERSON, B. K. *General geology.*

PALACHE, C. *The Alaska-Treadwell mine.*

PALACHE, C. *Geology about Chigof Cove.*

PALACHE, C. *Minerals.*

DALL, W. H. *Neozoic invertebrate fossils.*

ULRICH, E. O. *Fossils and age of the Yakutat formation.*

KNOWLTON, F. H. *Fossil plants from Kukak Bay.*

v. 5. Cardot, J., and others. *Cryptogamic botany.* 1904. ix, 424 p. 44 plates.

SACCARDO, P. A., and others. *The fungi of Alaska.*

CUMMINGS, C. E. *The lichens of Alaska.*

*SAUNDERS, DeA. *The Algae.*

*CARDOT, J., and I. Thériot. *The mosses of Alaska.*

TRELEASE, W. *Alaskan species of Sphagnum.*

*EVANS, A. W. *Notes on the Hepaticae.*

TRELEASE, W. *The ferns and fern allies.*

v. 6-7. remain unpublished.

v. 8. Ashmead, W. H., and others. *Insects, part I.* 1904. ix, 238 p. illus., 17 plates.

KINCAID, T. *Introduction.*

*BANKS, N. *Arachnida.*

COOK, O. F. *Myriapoda of northwestern North America.*

*FOLSOM, J. W. *Apertygota.*

*CAUDELL, A. N. *Orthoptera.*

*PERGANDE, T. *Aphididae.*

ASHMEAD, W. H. *Homoptera.*

*HEIDEMANN, O. *Heteroptera.*

*CURRIE, R. P. *Odonata.*

*BANKS, N. *Neuropteroid insects.*

*SCHWARZ, E. A. *Coleoptera.*

*KINCAID, T. *The metamorphosis of some Alaska Coleoptera.*

*DYAR, H. G. *Lepidoptera.*

v. 9. Ashmead, W. H., and others. *Insects, part II.* 1904. ix, 284 p. 4 plates.

*COCQUILLET, D. W. *Diptera.*

*KINCAID, T. *Tenthredinoidea.*

*KINCAID, T. *The Sphegoidea and Vespoidea.*

*PERGANDE, T. *Formicidae.*

*ASHMEAD, W. H. *Hymenoptera.*

v. 10. Rathbun, M. J., and others. *Crustaceans.* 1904. 5 p. l., 337 p. 26 plates.

RATHBUN, M. J. *Decapod crustaceans of the northwest coast of North America.*

SEARLE, H. R. *Isopod crustaceans of the northwest coast of North America.*

HOLMES, S. J. Amphipod crustaceans.

COLE, L. J. Pycnogonids of the west coast of North America.

v. 11. COE, W. R., and A. Robertson. *Nemerteans . . . Bryozoans*. 1904. xii, 251 p. illus., 25 plates.

*COE, W. R. *Nemerteans of the Pacific coast of North America*, Pt. I-II.

*ROBERTSON, Alice. *The Bryozoa of the expedition*.

v. 12. EISEN, G., and K. J. Bush. *Enchytraeids . . . Tubicolous annelids*. 1904. xi, 355 p. illus., 44 plates.

EISEN, G. *Enchytraeidae of the west coast of North America*.

BUSH, K. J. *Tubicolous annelids of the tribes Sabellides and Serpulides from the Pacific Ocean*.

v. 13. DALL, W. H., and C. C. Nutting. *Land and fresh water mollusks . . . Hydroids*. 1905. ix, 250 p. illus., 15 plates.

DALL, W. H. *Land and fresh water mollusks of Alaska and adjoining regions*.

*NUTTING, C. C. *Hydroids of the expedition*.

v. 14. VERRILL, A. E. *Monograph of the shallow-water starfishes of the North Pacific coast from the Arctic to California*.

*reprinted from Washington Academy of Sciences, Proceedings.

Each paper appears in this Bibliography under its author's name.

Copy seen: DLC.

6677. HARRIMAN ALASKA EXPEDITION, 1899. *Papers from the Harriman Alaska Expedition*. Washington, D. C., The Academy, 1900-02. 30 no. in 3 v. plates. (In: Washington Academy of Sciences. Proceedings. 1900-02. v. 2-4)

Contents: 1. MERRIAM, C. H. Descriptions of twenty-six new mammals from Alaska and British North America. 1900.

2. RITTER, W. E. *Harrimania maculosa*, a new genus and species of Enteropneusta from Alaska. 1900.

3. RITTER, W. E., and G. R. CROCKER. Multiplication of rays and bilateral symmetry in the 20-rayed star-fish, *Pycnopodia helianthoides* (Stimpson). 1900.

4. COVILLE, F. V. *The tree willows of Alaska*.

5. EVANS, A. W. *Notes on the*

Hepaticae collected in Alaska. 1900.

6. ROBERTSON, Alice. *The Bryozoa*. 1900.

7. KINCAID, T. *The Tenthredinoidea*. 1900. (Entomological results. 1).

8. KINCAID, T. *The metamorphoses of some Alaska Coleoptera*. 1900. (Entomological results. 2).

9. COQUILLETT, D. W. *Diptera*. 1900. (Entomological results. 3).

10. BANKS, Nathan. *Neuropteroid insects*. 1900. (Entomological results. 4).

11. BANKS, Nathan. *Arachnida*. 1900. (Entomological results. 5).

12. DYAR, H. G. *Lepidoptera*. 1900. (Entomological results. 6).

13. HEIDEMANN, O. *Heteroptera*. 1900. (Entomological results. 7).

14. KINCAID, T. *The Sphegoidea and Vespoidea*. 1900. (Entomological results. 8).

15. CAUDELL, A. N. *Orthoptera*. 1900. (Entomological results. 9).

16. PERGANDE, T. *Aphididae*. 1900. (Entomological results. 10).

17. PERGANDE, T. *Formicidae*. 1900. (Entomological results. 11).

18. SCHWARZ, E. A. *Coleoptera*. 1900. (Entomological results. 12).

19. SCHWARZ, E. A. *Psyllidae*. 1900. (Entomological results. 13).

20. COE, W. R. *The nemerteans*. 1901.

21. NUTTING, C. C. *The hydroids*. 1901.

22. CURRIE, R. P. *The Odonata*. 1901. (Entomological results. 14).

23. RITTER, W. E. *The ascidians*. 1901.

24. COVILLE, F. V. *The willows of Alaska*. 1901.

25. SAUNDERS, DeA. *The Algae*. 1901.

26. COVILLE, F. V. *Harrimania*, a new genus of heathers. 1901.

27. FOLSOM, J. W. *Apterygota*. 1902.

28. ASHMEAD, W. H. *Hymenoptera*. 1902.

29. CARDOT, J., and I. Thériot. *The mosses of Alaska*. 1902.

30. TORREY, H. B. *Anemones*, with discussion of variation in *Metridium*. 1902.

Twenty-one of these papers were reprinted as part of volumes 5, 8, 9, 11, and 13 of the *Harriman Alaska series*, issued by the Smithsonian Institution.

Each of the papers appears in this Bibliography under its author's name.

Copy seen: DLC.

6678. HARRING, H. K. Rotatoria. Ottawa, King's Printer, 1921. 23 p. incl. 4 plates. (Canadian Arctic Expedition, 1913-1918. Report. v. 8: Mollusks, echinoderms, coelenterates, etc., Pt. E)

List, with some description and locations noted, of sixty-four (including four new) species from the collections of the expedition and of the Alaskan Boundary Survey.

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6679. HARRINGTON, GEORGE LEAVITT, 1883-. The Anvik-Andreafski region, Alaska (including the Marshall district). Washington, U. S. Govt. Print. Off., 1918. 70 p. 7 plates (incl. 4 fold. maps in pocket) (U. S. Geological Survey. Bulletin 683)

Contains a report on a topographic, geologic survey, 1916, on the Yukon River between Anvik and Andreafski, and up the Anvik, Bonasila, Stuyahok and Andreafski Rivers for limited distances; a study of the mineral resources in the vicinity of Marshall, and descriptions of the geography, stratigraphy, mineral resources (gold, coal, mineral springs) and mining development.

Maps: Geologic and topographic, contour intervals 100 ft., scale 1: 250,000, for the stretches along the Yukon, and for the Marshall mining district.

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HARRINGTON, GEORGE LEAVITT, 1883-, *see also* Mertie, J. B., & C. L. Harrington. Ruby-Kuskokwim region, Alaska, 1924.

6680. HARRINGTON, LYN. Canoe country. (Canadian geographical journal, Aug. 1946. v. 33, p. 72-87 (incl. 5 p. of illus.) map)

Account with photographs for the general reader, of the route from Lake Superior, via Michipicoten and Missinaibi Rivers, to James Bay, with descriptions of Moose Factory and Moosonee.

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6681. HARRINGTON, LYN. North on the Hudson Bay Railway. (Canadian geographical journal, Aug. 1947. v. 35, p. 54-66, illus., sketch map)

Description with photographs of the route from a tourist's viewpoint, and of the terminal at Churchill, Manitoba.

Copy seen: DLC.

6682. HARRINGTON, RICHARD. Winter on Jame's Bay. (Beaver, Dec. 1949. Outfit 280, no. 3, p. 10-15, incl. 5 p. illus.)

Seven photographs with brief introductory text. *Copy seen:* DSI-M.

6683. HARRIS, A. C. Alaska and the Klondike gold fields . . . Practical instructions for fortune seekers. Including Mrs. Eli Gage's experiences of a year among the Yukon mining camps; Mrs. Schwatka's recollections of her husband as the Alaskan pathfinder; prosaic side of gold hunting, as seen by Joaquin Miller, the poet of the Sierras. Embellished with many engravings representing mining and other scenes in Alaska. Philadelphia, National Publishing Co. [c1897] xi, 17-528 p. front., illus., 30 plates, 2 fold. maps.

Includes, with the description of the gold rush to the Klondike, information on the physical geography, natural history, resources, and gold mining of Alaska, the natives and missions.

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HARRIS, GILBERT DENNISON, 1864-, *see* Dall, W. H., & G. D. Harrison. Correlation papers Neocene (Alaska). 1892.

HARRIS, MILTON, 1906-, *see* Newburgh, L. H. Physiology of heat regulation. 1949.

6684. HARRIS, ROLLIN ARTHUR, 1863-1918. Arctic tides. Washington, U. S. Govt. Print. Off., 1911. 103 p. 3 charts (1 fold.)

Contents: 1. Observations taken on the northern coasts of Grant Land, Greenland, and Alaska. (From Peary Expedition, 1908-09).

2. Harmonic constants for arctic seas.

3. Nonharmonic tidal quantities, and the set of the currents.

4. Discussion and signification of results.

This paper aims "to bring together in one form or another practically all available results pertaining to tides in arctic waters." In chapter 4 appears the statement of the author's much discussed theory (later disproved) on "the necessity of a tract of land, archipelago, or an area of shallow water in the Arctic Ocean" to explain the tidal action.

Maps: 1. Arctic currents and land according to A. Petermann, 1865.

2. Reproduction of Nansen's bathymetrical chart.

3. Cotidal lines for the arctic regions.

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6685. HARRIS, ROLLIN ARTHUR, 1863-1918. Some indications of land in the vicinity of the North Pole. (National geographic magazine, June 1904. v. 15, p. 255-61, sketch chart)

Discussion of currents and tides in the Arctic Basin and North American arctic seas, and the author's explanation of these phenomena in his theory of land near the Pole.

Copy seen: DLC.

HARRIS, ROLLIN ARTHUR, 1863-1918, *see also* Peary, R. E. Peary Arctic Club Exped. 1910.

6686. HARRIS, THOMAS MAXWELL, 1903-. The fossil flora of Scoresby Sound, East Greenland. Part 1. Cryptogams (exclusive of Lycopodiales). København, C. A. Reitzel, 1931. 102 p. illus., 18 plates. (Meddelelser om Grønland. Bd. 85, nr. 2)

List, with synonymy, localities, descriptions and comparisons, of about thirty species of ferns and other cryptogams, collected during the Danish Expedition to East Greenland, 1926-27. Bibliography, p. 99-102.

Copy seen: DLC.

6687. HARRIS, THOMAS MAXWELL, 1903-. The fossil flora of Scoresby Sound, East Greenland. Part 2. Description of seed plants, Incertae sedis, together with a discussion of certain cycadophyte cuticles. København, C. A. Reitzel, 1932. 112 p. illus., 9 plates. (Meddelelser om Grønland. Bd. 85, nr. 3)

Based on material collected during the Danish Expedition to East Greenland, 1926-1927. Contains (1) descriptions of twenty-six (including eleven new) species of leaves, believed to belong to the seed plants; (2) discussion of the stomata of fossil cycads. Bibliography, p. 110-12.

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6688. HARRIS, THOMAS MAXWELL, 1903-. The fossil flora of Scoresby Sound, East Greenland. Part 3. Caytoniales and Bennettitales. København, C. A. Reitzel, 1932. 133 p. illus., 19 plates. (Meddelelser om Grønland. Bd. 85, nr. 5)

Based on material collected during the Danish Expedition to East Greenland, 1926-1927. Contains (1) list, with synonymy, localities and discussions of six (including five new) species of seed plants and nineteen species of leaves; (2) descriptions (including morphological discussions) of leaves and seed plants. Bibliography, p. 131-33.

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6689. HARRIS, THOMAS MAXWELL, 1903-. The fossil flora of Scoresby Sound, East Greenland. Part 4. Ginkgoales, Coniferales, Lycopodiales and isolated fructifications. København, C. A. Reitzel, 1935. 176 p. illus., 29 plates. (Meddelelser om Grønland. Bd. 112, nr. 1)

Based on materials collected during the Danish Expedition to East Greenland, 1926-27. Contains (1) record (with diagnoses, synonymy, occurrence in Greenland and discussion), of leaves of fourteen species of the family Ginkgoales; (2) the foliage of twenty-eight species of the family Coniferales; (3) male and female cones; (4) spores of fourteen species of club moss. Bibliography, p. 173-76.

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6690. HARRIS, THOMAS MAXWELL, 1903-. The fossil flora of Scoresby Sound. Part 5. Stratigraphic relations of the plant beds. København, C. A. Reitzel, 1937. 114 p. illus., 1 plate, fold. table. (Meddelelser om Grønland. Bd. 112, nr. 2)

Contains review of one hundred ninety-seven fossil species collected during the Danish Expedition to East Greenland, 1926-27 and described by the author in pt. 1-4 of this series; (2) discussion of the plant beds, coal, fossil animals, horizontal and vertical distribution Scoresby Sound Liasso-Rhaetic; (3) discussion of the stratigraphy of comparable areas in Europe; (4) comparison of the floras of Germany, Sweden and Greenland; and (5) discussion of other floras of Upper Triassic to Lower Liassic age. Bibliography, p. 107-112.

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6691. HARRIS, THOMAS MAXWELL, 1903-. Liassic and Rhaetic plants collected in 1936-38 from East Greenland. København, C. A. Reitzel, 1946. 38 p. illus. (Meddelelser om Grønland. Bd. 114, nr. 9).

Results of the Danish Geological Expedition to East Greenland, 1936-38. Description of fossil specimens from northern and western Jameson Land and Traill Island, belonging to twenty-three species, a few of which are new to Greenland, and one of which is described as new; with remarks on their relation to nearby occurrences of Liasso-Rhaetic floras, and on the leaf structure of some Mesozoic ferns about which little was known before this collection was made. Bibliography (35 items). *Copy seen: DLC.*

6692. HARRIS, THOMAS MAXWELL, 1903- . The Rhaetic flora of Scoresby Sound, East Greenland. (Meddelelser om Grønland, 1926. Bd. 68, p. 43-148, illus., 13 plates)

Descriptions, with synonymy and references to literature, of fossil species collected in the Scoresby Sound region during the Carlsberg Fund Expedition to East Greenland, 1898-1900; with a critical review of the value of the previous identifications and discussion of climatic conditions in this area in the Rhaetic period.

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HARRIS, THOMAS MAXWELL, 1903-, see also Koch, L. Report Geol. Exped. E. Greenland, 1926-27. 1930.

6693. HARRISON, ALFRED H. In search of a polar continent, 1905-07. London, E. Arnold, 1908. xx, 292 p. 32 plates, incl. ports., fold map.

Account of the author's exploration and mapping of part of the Mackenzie delta, his sledge trips in the region, from Herschel Island east to Cape Bathurst, and a boat trip to southern Banks Island. Includes descriptions of the Eskimos among whom he lived, of travel conditions; the plight of Beaufort Sea whalers; food for dogs and sledging rations.

Map: Survey of part of Mackenzie delta and adjacent region; Baillie and Herschel Islands (as insets).

Copy seen: DLC; NNStef.

6694. HARRISON, ALFRED H. In search of an arctic continent. (Geographical journal, Mar. 1908, v. 31, p. 277-87, fold. map)

Paper read before the Royal Geographical Society, Dec. 1907, giving an account of the author's trip down the Mackenzie River and his sojourn in the

delta region 1905-07, while he surveyed the area; includes descriptions of the country, and remarks on drifts in the polar sea. *Copy seen: DLC.*

6695. HARRISON, ALFRED H. Proposed sledge expedition across the north polar region. (Geographical journal, June 1909. v. 33, p. 689-97)

Paper read before the Research Department of the Royal Geographical Society, stating the author's plan to cross the polar basin by sledge, and indicating the rations and equipment proposed for the trip. Following the paper is extended discussion (in which the impracticability of the plan is represented) by Dr. Strahan, Col. Feilden, Major Darwin, and Sir Lewis Beaumont.

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6696. HARRISON, EDWARD SANFORD. Nome and Seward Peninsula; a book of information about northwestern Alaska. [Seattle, Wash., E. S. Harrison, [c1905] cover-title, 4 p. l., 112 p. illus., fold. map.

Description of the peninsula, its gold and tin fields and mining districts; mining methods, travel methods, the water ditches, dogs, and the commercial and political situations in Nome and Alaska.

Copy seen: DLC; NNStef.

6697. HARRISON, EDWARD SANFORD. Nome and Seward Peninsula; history, description, biographies and stories. Souvenir ed. Seattle, [c1905] p. l., 392 p. illus., 46 plates (ports.) In three parts, part two of which has the same text as his, *Nome and Seward Peninsula, a book of information about northwestern Alaska*, 1905, q.v.

Contents include: Pt. 1. History. (Discovery, exploration, whaling, Eskimos, newspapers, Nome, the courts).

Pt. 3. Biographies and stories. (166 biographical sketches and 11 stories).

Copy seen: NNStef.

6698. HARRISON, J. M. Structural geology in the Canadian Shield as revealed by air photographs. (Tulsa Geological Society. Digest, 1949. v. 17, p. 48-52, illus.)

General remarks on structural features, including those of Baffin Island, Labrador, Ungava Peninsula and Yellowknife regions, which show up well in aerial photographs. A full report on this subject was published as Harri-

son's *Structural features of the Canadian Shield*, in *World oil*, Feb. 1, 1950, v. 130, no. 2, p. 202-206.

Copy seen: DGS.

6699. HARRISON, LOUIS P. The mean barometric pressures along the various circles of latitude—a résumé of data. (U. S. Weather Bureau. Monthly weather review. Oct. 1933. v. 61, p. 293-95, tables)

Average monthly pressure values reduced to 0°C and standard gravity are tabulated by 5° or 10° intervals of latitude for the entire world.

Copy seen: DLC.

HARRISON, ROGER W., see U. S. Fish & Wildlife Service. Report Alaska crab investigation. 1942.

HAROLD, CYRIL GUY, 1896-1929, see Swarth, H. S. Birds Nunivak Island. 1934.

6700. HARSHBERGER, JOHN WILLIAM, 1869-1929. The gardens of The Faeroes, Iceland, and Greenland. Geographical review, July 1924, v. 14, p. 404-15)

Contents include: Greenland, p. 411-15, describing the vegetable gardens and uncultivated useful plants on West Greenland shores. *Copy seen:* DLC.

6701. HARSHBERGER, JOHN WILLIAM, 1869-1929. Tundra vegetation of central Alaska directly under the Arctic Circle. (American Philosophical Society. Proceedings, 1928. v. 67, p. 215-34, illus.)

Description of the tundra of Alaska in general and of the Tanana Hills in detail, including tundra soil, facies of vegetation, and plant associations, with list of lichens and notes on mosses, flowering plants, trees and shrubs, herbs, and a single fern.

Copy seen: DLC.

6702. HARSHBERGER, JOHN WILLIAM, 1869-1929. Unsolved problems in arctic plant geography. (In: American Geographical Society, N. Y. Problems of polar research, 1928. p. 142-53)

Suggestions concerning research on plants of Vinland, dispersal of circum-polar plants, survival of the ice age, plant ecology of solifluction surfaces, frozen ground, etc., and the tundra as reindeer pasture. *Copy seen:* DLC.

6703. HART, HENRY CHICHESTER. On the botany of the British Polar Ex-

pedition of 1875-6. (Journal of botany, 1880. v. 9, p. 52-56, 70-79, 111-15, 141-45, 177-82, 204-208, 235-42, 303-306)

The author accompanied the *Discovery*, making collections and field notes along the coasts of West Greenland and eastern Ellesmere Island from Egedesminde (68°42'N.) to Cape Columbia (83°08'N.). He reports here fully on his notes concerning local distribution, circumstances of growth and habitat; gives a table of one hundred thirty-nine species arranged by order of highest latitude in which specimens were found, also annotated list, with localities of the species.

This paper amplifies the brief report published in appendix to G. S. Nares' *Voyage to the Polar Sea*, 1878, on collections made north of 80°N.

Copy seen: DA; NNSf.

6704. HART, JOSEPHINE F. L. Cumacea and Decapoda of the western Canadian arctic region, 1936-1937. (Canadian journal of research, Mar. 1939. v. 17, sec. D, p. 62-67)

Based on collections made from the Royal Canadian Mounted Police vessel *St. Roch*, 1936-37, in Dease and Dolphin and Union Straits, and in Coronation Gulf. A list, with localities, distribution, and a few notes, of sixteen species of Cumacea and seven species of shrimps. *Copy seen:* DSI-M.

6705. HARTERT, ERNST, 1859-1933. The birds of the Commander Islands. (Novitates Zoologicae, June 1920. v. 27, p. 128-58)

Based on a collection (intended for the Leningrad Museum, but sold instead to Lord Rothschild) made by Sokolnikov who was an official on these islands for a number of years. An annotated list of one hundred fifty-two species and subspecies.

Copy seen: DSI-M.

6706. HARTING, JAMES EDMUND. Catalogue of an arctic collection of birds presented by Mr. John Barrow to the University Museum at Oxford; with notes on the species. (Zoological Society of London. Proceedings, 1871. p. 110-23)

Notes on forty-eight species of birds collected by various expeditions from 1848-1855, mainly from the west coast of Greenland, with some from arctic North America. *Copy seen:* DSI-M.

6707. HARTING, JAMES EDMUND. On a new species of *Tringa* from Alaska. (Zoological Society of London. Proceedings, Apr. 1874, p. 242-44, plate)

Full description of a sandpiper from St. Paul's Island. *Copy seen:* DSI-M.

HARTING, PIETER, & others, see Zoologischen Ergebnisse Willem Baarents, 1878-79, 1881-82.

6708. HARTLAUB, CLEMENS CORNELIUS, 1858- . Einleitung. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen im Sommer 1898 auf S.M.S. "Olga". (Wissenschaftliche Meeresuntersuchungen, 1900. Neue Folge, Bd. 4, Abt. Helgoland, p. 171-93, illus., tables, fold. chart) *Title tr.:* Introduction. Zoological results of a research expedition (etc.) to Bear Island and West Spitsbergen, summer 1898, on H.M.S. *Olga*. I.

The ship made two voyages, one from Tromsø, Norway, to Bear Island and to Bell Sound, Ice Fiord, King's Bay, Magdalena Bay in West Spitsbergen, and Amsterdam Island, and return, July 1-30; the second from Hammerfest, Norway, into the sea south of West Spitsbergen and eastward to about 22°E., and return, Aug. 3-15.

This paper gives a brief narrative of the two cruises, notes on special features of the vessel, discussion of the marine fauna, and tables showing zoological records of net and dredge hauls, their position, depth, character of bottom, surface temperature and salinity, and remarks.

Copy seen: DF.

6709. HARTLAUB, CLEMENS CORNELIUS, 1858- . Méduses. (In: Orléans, L. P. R., *Duc d' Croisière océanographique accomplie à bord de la Belgica dans la Mer du Grönland 1905*, pub. 1907. p. 461-82, 2 plates) *Title tr.:* Medusae (Oceanographic cruise on board the *Belgica* in Greenland Sea, 1905).

List, with localities and discussion, of eight (including with descriptions, four new) species of coelenterates.

Copy seen: DSI-M.

6710. HARTLAUB, CLEMENS CORNELIUS, 1858- , and others. Zoologische Ergebnisse einer Untersuchungsfahrt des deutschen Seefischerei-Vereins

nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S.M.S. "Olga". Wissenschaftliche Meeresuntersuchungen, 1900-16. Neue Folge, Abt. Helgoland, Bd. 4, p. 167-261; Bd. 5, p. 31-56, 85-95; Bd. 7, p. 45-70; Bd. 8, p. 17-55; Bd. 11, p. 65-90, illus., 11 plates) *Title tr.:* Zoological results of a research expedition of the German Marine Fisheries Society (Deutscher Seefischerei Verein) to Bear Island and West Spitsbergen, in the summer 1898, on H.M.S. *Olga*.

The expedition was undertaken by the Society, with the approval of the Ministry of Culture, and with the co-operation of the State Biological Survey (K. Biologische Anstalt), to investigate northern waters for fishing grounds, and to make biological studies and zoological collections.

Details of the itinerary are given in Hartlaub, C. C., *Einleitung*, 1900, q.v. *Contents:* 1. HARTLAUB, C. C. Introduction. 1900.

DÖDERLEIN, L. Echinoderms. 1900.
BIDENKAP, O. Bryozoans. 1900.
CARLGREN, O. Actinarians. 1902.
HARTMEYER, R. Ascidians. 1904.
EHRENBAUM, E. Fishes. 1906.
KÜKENTHAL, W. Alcyonaceans. 1908.

KLUGE, H. Supplementary report on the bryozoans collected by the *Olga*. 1908.

HARTLAUB, C. C., and L. SCHEURING. Hydroids. 1916.

Each of these papers appears in this Bibliography under its author's name. *File seen:* DF.

6711. HARTLAUB, CLEMENS CORNELIUS, 1858- , and L. SCHEURING. Die Hydroiden. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S.M.S. "Olga". IX. (Wissenschaftliche Meeresuntersuchungen, 1916. Neue Folge, Bd. 11, Abt. Helgoland, p. 65-90, illus., plate) *Title tr.:* The hydroids. Zoological results of a research expedition (etc.) to Bear Island and West Spitsbergen in the summer of 1898 on S.M.S. "Olga". IX.

Contains a list, with locations, notes on forms and habitat, and distribution, of forty-two species, with an arrangement by station number showing position, depth and type of bottom; includes bibliography. *Copy seen:* DF.

6712. HARTLAUB, GUSTAV, 1814-1900. Beitrag zur Ornithologie von Alaska. Nach den Sammlungen und Noten von Dr. Arthur Krause und Dr. Aurel Krause. (Journal für Ornithologie, 1883. Jahrg. 31, p. 257-86) *Title tr.*: Contribution to the ornithology of Alaska. Based on the collections and notes of Dr. Arthur Krause and Dr. Aurel Krause.

Annotated list of a collection of eighty-three species made in the Lynn Canal region of Southeast Alaska in 1882. *Copy seen*: DSI-M.

HARTLAUB, GUSTAV, 1814-1900, *see also* Geographische Gesellschaft in Bremen. Zweite deutsche Nordpolarfahrt 1869-70. 1873-74.

HARTLAUB, GUSTAV, 1814-1900, *see also* Payer, J., & others. Jagden u. Thierleben Ostgrönland. 1873.

6713. HARTLEY, C. H. Bird ecology. The Oxford University Expedition to Spitsbergen, 1933. Appendix 5. (Geographical journal, Aug. 1934. v. 84, p. 127-28)

Preliminary statement of scientific work done (for the most part, in the Adolf Bay section of Klaas Billen Bay) on the feeding of birds in relation to the glacier effects on the water and plankton. *Copy seen*: DLC.

6714. HARTLEY, C. H., and JAMES FISHER. The marine foods of birds in an inland fjord region of West Spitsbergen. Part 2. Birds. (Journal of animal ecology, Nov. 1936. v. 5, p. 370-89)

Results of the Oxford University Arctic Expedition, 1933, in Klaas Billen Bay. "An intensive study of food supply and feeding habits in a simplified bird community," remarks on the bird population, discussion of the food supply of (1) surface feeders, and (2) divers (including seals). The birds studied are kittiwakes, fulmars, terns, gulls, skuas, eiders, guillemots, auks, puffins, and the sandpiper. Bibliography (18 items).

Part 1 of this study is Stott, F. C. Marine foods of birds, etc. 1936 q.v.

Copy seen: DA.

6715. HARTLEY, C. H., and M. J. DUNBAR. On the hydrographic mechanism of the so-called brown zones associated with tidal glaciers. (Journal of marine research, 1938. v. 1, p.

305-11, incl. sketch map, diagrs.)

Report on work carried out by the two authors in 1936, on two fiord glaciers in Atå Sound, northeastern corner of Disko Bay, West Greenland. Description of temperature-salinity-density relations in zones of muddy, ice-free water at the sea faces of tidal glaciers, with discussion of causes and maintaining mechanism of brown zones.

Copy seen: DF.

6716. HARTMAN, CARL, 1824-1884. Nya vextställen för några sällsyntare svenska och norrska mossarter. (Botaniska notiser, 1852, no. 11-12, p. 180-88) *Title tr.*: New localities of some rare Swedish and Norwegian mosses.

Contains a list of sixty-five mosses and liverworts, collected in Sweden and Norway by various collectors, with data on distribution and habitat; includes some native to Swedish Lapland and arctic Norway.

Copy seen: MH-A.

6717. HARTMAN, CARL JOHAN, 1790-1849. Anmärkningar vid Prof. Fries "Reservation mot en del antagna åtsigter öfver åtskilliga Svenska vexter." (Botaniska notiser, 1845, no. 9-10, p. 137-65) *Title tr.*: Comments on Prof. Fries' "Reservation on forming a fixed opinion about certain Swedish plants."

Contains some critical notes and additional data on sixty species of flowering plants and vascular cryptogams discussed in Fries, E. M., Reservation mot, etc., 1844, q.v.; refers to some species native to Swedish Lapland.

Copy seen: MH-A.

6718. HARTMAN, CARL JOHAN, 1790-1849. Motiver för behandlingen af en del vexter i undertecknads Svensk och norsk excursions-flora, Stockholm 1846. (Botaniska notiser, 1846, no. 11-12, p. 161-80) *Title tr.*: Reason for the identification of plants in the author's "Svensk och norsk excursions-flora," Stockholm, 1846.

Contains a taxonomic discussion giving explanations and justification of the author's determination of about one hundred plants described in his Svensk och norsk excursions-flora, Stockholm, 1846; includes references to some species native to Swedish Lapland and northern Norway.

Copy seen: MH-A.

6719. HARTMAN, OLGA, 1900- . The polychaetous annelids of Alaska. (Pacific science, Jan. 1948. v. 2, p. 3-58, illus., 2 maps)

A résumé of early research on these worms, and a classified list of species known from Alaska. Discussion of over one hundred (including, with descriptions, six new) species collected during the Alaska King Crab Investigation of the U. S. Fish and Wild Life Service in 1940-41, from shallow coastal waters of southwestern Alaska (in Prince William Sound region, off the coasts of Alaska Peninsula) and in Bering Sea northwest of St. Lawrence Island (three stations in deeper waters, 100-150 meters). Includes a station list, showing location, depth or tide; and a bibliography (124 items).

Copy seen: DLC.

6720. HARTMAN, OLGA, 1900- . Review of the annelid worms of the family Nephtyidae from the northeast Pacific, with descriptions of five new species. (U. S. National Museum. Proceedings, 1938, pub. 1940. v. 85, p. 143-58, illus.)

Review and descriptions based on several collections containing specimens from various localities, including the waters south and east of Alaska Peninsula. Bibliography, p. 157-58.

Copy seen: DLC.

6721. HARTMAN, ROBERT. De svenska arterna af släktet *Utricularia*. (Botaniska notiser, 1857, no. 2, p. 25-32) *Title tr.:* On Swedish species of the genus *Utricularia*.

Contains Latin descriptions of six Swedish species of herbaceous genus *Utricularia*, including *U. vulgaris*, *U. intermedia* and *U. minor*, native to Lule and Torne Lappmark.

Copy seen: MH-A.

6722. HARTMAN, GEORG. Der Einfluss des Treibeises auf die Bodengestalt der Polargebiete. (Verein für Erdkunde zu Leipzig. Beiträge zur Geographie des festen Wassers. No. 3. Pub. in its: Wissenschaftliche Veröffentlichungen, 1891. Bd. 1, p. 173-286, 2 fold. charts) *Title tr.:* The influence of drift ice on the physiography of the Polar region.

Contains in pt. 1 a discussion of drift ice as an erosive agent in the form of an ice foot along shore, grounded ice, or icebergs.

Pt. 2. Drift ice as an agent in building shores, strand walls, islands and sandbanks with material dug out of the ocean bottom; also in building lagoons and terraces; with a theory of shore lines.

Pt. 3. Drift ice as an agent of transportation. (1) The role of ice erosion in the lading of ice by wind-borne, stream-borne and volcanic materials, or matter which drops from a coast to the ice. (2) Summary of materials transported by the ice of individual regions. (3) The new land forms created by the transport: erratic boulders, banks, shoals, etc., the levelling of the sea bottom; and (4) drift ice as a distributing and transporting agent for plants and animals.

Pt. 4. Other mechanical effects of drift ice, on swell, tides, wind, salinity, sea level, currents, and on the organic life in the sea.

Copy seen: DLC.

6723. HARTMEYER, ROBERT, 1874-1923. Ascidiacea. (Part 1-II). Zugleich eine Übersicht über die arktische und boreale Ascidiendfauna auf tiergeographischer Grundlage. Copenhagen, B. Luno, 1923-24. 2 pts. (365, 275 p.) illus., plate, table. (Ingolf-expedition, 1895-1896. [Reports] v. 2, pts. 6-7)

Based on the collections made from the cruiser *Ingolf* in Davis and Denmark Straits and Greenland Sea between Jan Mayen and Iceland, and on collections of several Danish expeditions in the same waters (notably the *Fylla*, 1884, 1886, 1889-91, and the *Tjalfe* 1908-09)

Contains a list of expeditions and stations where material was collected; a classified list, with synonymy, descriptions, locations and northern hemispheric distribution, of one hundred seventy-eight (including three new) species of tunicates; with a bibliography (about 685 items).

Copy seen: DSI-M.

6724. HARTMEYER, ROBERT, 1874-1923. Die Ascidien. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S.M.S. "Olga". V. (Wissenschaftliche Meeresuntersuchungen, 1904. Neue Folge, Bd. 5, Abt. Helgoland, p. 85-95) *Title tr.:* The ascidians. Zoological results of a research expedition (etc.) to Bear Island and West Spits-

bergen in the summer of 1898 on S.M.S. "Olga". V.

Contains a list, with synonymy, locations, and arctic distribution, of eighteen species of tunicates, five of which are new to West Spitsbergen waters; and an arrangement of data by station number, showing position, depth and type of bottom.

Copy seen: DF.

6725. HARTMEYER, ROBERT, 1874-1923. Die Ascidien der Arktis. (*In*: Fauna arctica, 1903. Bd. 3, p. 91-412, illus., 11 plates, tables) *Title tr.*: Ascidiens (tunicates) of the Arctic.

Contains a chronological (and lengthy) discussion of the literature; a list of thirty-eight species collected by the German Expedition to the Arctic Ocean in 1898, with a table of stations showing depth and type of bottom where these were collected.

Nine other lists from various expeditions and museum collections, representing Gulf of Alaska, Bering Sea, Aleutian waters, Baffin Bay-Davis Strait, Barents Sea, Kara Sea, and the coastal waters of Norway.

A systematic list, with full notes on geographic and vertical distribution, synonymy, references, and morphology, of ninety-one species of arctic tunicates.

Full discussion and tabular representation of geographic and vertical distribution, including Svalbard waters, Barents and White Seas, the Siberian seas, Bering Sea, Canadian Arctic waters, Baffin Bay-Davis Strait, Labrador and Greenland Seas. Bibliography (228 items).

Copy seen: DA.

6726. HARTMEYER, ROBERT, 1874-1923. Die Ascidien der Danmark Expedition. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 3. (Meddelelser om Grønland, 1912. Bd. 45, p. 225-36) *Title tr.*: Ascidiens of the Danmark expedition.

Contains list, with synonymy, localities, and discussion, of seven species of tunicates from Danmarks Havn, (76° 46'N. 18° 45'W.) and Dove Bay waters of East Greenland, with a bibliography.

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6727. HARTMEYER, ROBERT, 1874-1923. Ascidiæ. (*In*: Conspectus faunae groenlandicæ 3. del, nr. 10. *Pub.* in:

Meddelelser om Grønland. 1914. 23. hefte, p. 1081-1117)

Summary of earlier research, and list, with synonymy, references to literature, localities and remarks, of twenty-nine species of tunicates from the west and east coasts of Greenland; bibliography, p. 1115-17)

Copy seen: DLC.

6728. HARTMEYER, ROBERT, 1874-1923. Studien an westgrönländischen Ascidien (Ergebnisse der Einsammlungen von Dr. V. Nordmann im Nordre Strømfjord, Sommer 1911, und Dr. K. Stephensen im Kvanefjord, Bredefjord und Skovfjord, Sommer 1912). (Meddelelser om Grønland, 1923. Bd. 62, p. 1-137, illus., 2 sketch maps) *Title tr.*: Studies on West Greenland Ascidiens (reports of the collections of Dr. V. Nordmann in Nordre Strømfjord during the summer of 1911 and Dr. K. Stephensen in Kvanefjord, Bredefjord and Skovfjord during the summer of 1912.

List, with synonymy, localities and discussions, of twenty-seven (including one new) species of tunicates; with list of stations and discussion of distribution in the fiords investigated.

Copy seen: DLC.

6729. HARTMEYER, ROBERT, 1874-1923, and W. MIELCK. Ascidien aus dem Barentsmeer. (Untersuchungsfahrt Reichsforschungsdampfers "Poseidon" in das Barentsmeer im Juni und Juli 1913). (Wissenschaftliche Meeresuntersuchungen, 1919. Neue Folge, Bd. 13, Abt. Helgoland, p. 125-36, sketch chart) *Title tr.*: Ascidiens from Barents Sea. (Research expedition of the research steamer *Poseidon* in Barents Sea, June and July 1913).

Contains a list, with synonymy, localities and distribution, of eleven species of tunicates.

Appendix: Mielck, W. Distribution and ecology of ascidiens on the fishing grounds in Barents Sea. (With a chart showing rich ascidian communities, currents, and depths). *Copy seen:* DF.

HARTMEYER, ROBERT, 1874-1923, see also Derügin, K. M. K. faunæ Kol'skago zal. I-II, 1908-09. 1910-11.

6730. HARTWIG, GEORG LUDWIG, 1813-1880. Dwellers in the arctic regions; a popular account of the men who

live in polar regions. London, Longmans, Green & Co., 1887. x, 11-158 p. incl. plates, illus.

Excerpts from his, *Polar world*, 1869, on the Eskimos, Lapps, Samoyeds, Ostyaks, Yakuts, the Greenlanders (and others), and a section on Alaska.

Copy seen: NNNStef.

6731. HARTWIG, GEORG LUDWIG, 1813-1880. Heroes of the polar world. London, Longmans, Green & Co., 1892. ix, 11-128 incl. front. illus.

Excerpts from his, *Polar world*, 1869, concerning the arctic lands, Wrangel, Steller, and arctic voyages of discovery.

Copy seen: NNNStef.

6732. HARTWIG, GEORG LUDWIG, 1813-1880. The polar and tropical worlds: a description of man and nature in the polar and equatorial regions of the globe. By Dr. G. Hartwig . . . Ed., with additional chapters, by Dr. A. H. Guernsey. Springfield, Mass., Bill, Nichols & Co., [1871] xx [17]-761 p. incl. front., illus.

A combination of the author's *Polar world*, 1869, q.v., and his *Tropical world*. The first part includes new information on the acquisition of Alaska, and on C. F. Hall's expedition, 1860-62.

Another edition: Springfield, Mass., C. A. Nichols & Co., 1874, 811 p. with three additional chapters on: summary of arctic explorations, Hall's last journey, and fate of the *Polaris*; with 5 maps.

Copy seen: DLC; NNNStef.

6733. HARTWIG, GEORG LUDWIG, 1813-1880. The polar world: a popular description of man and nature in the arctic and antarctic regions of the globe. By Dr. G. Hartwig. With additional chapters. New York, Harper & Brothers, 1869. xvi, [17]-486 p. incl. front., illus.

First published in German as *Der hohe Norden im Natur- und Menschenleben dargestellt*, Wiesbaden, 1858, and translated subsequently into various European languages (see Chavanne). English translation was also published in London by Longmans, 1869, 1874, 1886.

Contains a characterization (based on literature) of arctic lands, the various zones, climate and vegetation, the land mammals and birds, the seas and marine animals; regional sketches of exploration and general information (Iceland, Spitzbergen, Jan Mayen, Bear

Island, Novaya Zemlya); chapters on the peoples (Lapps, Samoyeds, Ostyaks, Yakuts, Tungus, Kamchadals, Chukchis, Eskimos, and Indians), the Russians' conquest of Siberia, their fur trade and explorations, on the work of Wrangel and Steller; Kamchatka Peninsula, Bering Sea, Alaska; the Hudson's Bay Company's fur trade; arctic exploration from the time of the Norsemen to Hayes, 1860; and a section on Greenland.

Copy seen: DLC (1869); NNNStef (1886).

6734. HARTZ, NIKOLAJ, 1867-1937. Beretning om Skibsexpeditionen til Grønlands østkyst, for tidsrummet fra d. 18. Juli til d. 12. September 1900. (In: Amdrup, G. C. Carlsberg-fondets expedition til Øst-Grønland 1. del, nr. 3. *Pub.* in: Meddelelser om Grønland, 1902. 27 hefte, p. 153-81, plate VIII (fold. map) *Title tr.*: Report on the Ship Expedition to the East Coast of Greenland for the period July 18 to Sept. 12, 1900.

Contains accounts of the *Antarctic's* scientific trips led by the author in the Scoresby Sound region, Iceland and Angmagssalik, as part of the Carlsberg Fund Expedition, 1898-1900. Includes descriptions of the plant and animal life.

Copy seen: DLC.

6735. HARTZ, NIKOLAJ, 1867-1937. Botanisk rejseberetning fra Vest-Grønland, 1889 og 1890. (Meddelelser om Grønland, 1894, *pub.* 1898. 15. hefte, p. 1-60) *Title tr.*: Account of botanical trips to West Greenland, 1889 and 1890.

Account of the authors trips with the zoologist W. Lundbeck, in the region 60° to 70° N., West Greenland, and remarks on characteristic species of plants observed.

Copy seen: DLC.

6736. HARTZ, NIKOLAJ, 1867-1937. *Fanerogamer og karkryptogamer fra Nordøst-Grønland*, c. 75°-70° N. Br., og Angmagssalik, c. 65°40' N. Br. (In: Ryder, C. H. Den østgrønlandske expedition. 2. del, 5. *Pub.* in: Meddelelser om Grønland, 1896. 18. hefte, p. 315-93, illus., tables) *Title tr.*: Phanerogams and vascular cryptogams, from northeast Greenland, about 75°-70° N., and from Angmagssalik, about 65°40' N.

Contains annotated list of hundred sixty-five species of plants, chiefly from the peninsula Hold with Hope and the Scoresby Sound region. Includes table

showing distribution, and discussions of phytogeography and plant life in the Scoresby Sound region during the ice age; also list, with some discussion, of sixty-four plant species collected in the Angmagssalik region by E. Bay.

Copy seen: DLC.

6737. HARTZ, NIKOLAJ, 1867-1937. Planteforsteninger fra cap Stewart i Østgrønland, med en historisk oversigt. (In: Ryder, C. H. Den østgrønlandske expedition. 3. del, 8. *Pub.* in: Meddelelser om Grønland, 1896. 19. hefte, p. 215-47, plates VI-XIX) *Title tr.*: Plant fossils from Cape Stewart in East Greenland, with an historical survey.

Discussion of the paleontology and paleobotany of West Greenland and East Greenland, and descriptions of eighteen species of fossil plants from Cape Stewart and Neill's Cliffs in the Scoresby Sound region. Bibliography, p. 246-47. Summary in French, p. 271-72.

Copy seen: DLC.

6738. HARTZ, NIKOLAJ, 1867-1937, and CHR. KRUUSE. The vegetation of northeast Greenland, 69°25' lat. N.-75° lat. N. (In: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 4. del, nr. 10. *Pub.* in: Meddelelser om Grønland, 1911. 30. hefte, p. 333-431, illus. diagr.)

Discussion of the flora and vegetation of the localities visited by the "Ship Expedition" led by the senior author in the summer of 1900, as part of the Carlsberg Fund Expedition to East Greenland, 1898-1900. Includes lists of the plant species observed.

Copy seen: DLC.

6739. HARTZ, NIKOLAJ, 1867-1937, and E. BAY. Østgrønlands vegetationsforhold. (In: Ryder, C. H. Den østgrønlandske expedition. 2. del, 4. *Pub.* in: Meddelelser om Grønland, 1896. 18. hefte, p. 105-314, illus. tables, plate 9 (map)) *Title tr.*: The vegetation of East Greenland.

Chronological account of botanical trips, and descriptions of the vegetation of the areas visited: (1) the peninsula Hold with Hope, (2) eighteen localities in the Scoresby Sound region (with special treatment of Danish Island), and the Angmagssalik region; also general discussion of the vegetation in the Scoresby Sound region. Summary in French, p. 485-504.

Copy seen: DLC.

HARTZ, NIKOLAJ, 1867-1937, *see also* Amdrup, G. C., & N. Hartz. Østgrønlandske exped. 1900.

HARTZ, NIKOLAJ, 1867-1937, *see also* Rostrup, E. Fungi Groenlandia orientalis. 1911.

HARTZ, NIKOLAJ, 1867-1937, *see also* Seward, Sir A. C., & V. M. Conway. Fossil plants from Kingigtok, W. Greenland. 1935.

HARVARD UNIVERSITY. ARNOLD ARBORETUM, *see* Raup, H. M. Expeds. Alaska Military Highway 1943-44. 1944.

HARVARD UNIVERSITY. INSTITUTE OF GEOGRAPHICAL EXPLORATION, *see* Washburn, H. B. Ascent of Mt. Agnes. 1939.

HARVARD UNIVERSITY. INSTITUTE OF GEOGRAPHICAL EXPLORATION, *see also* Washburn, H. B. Ascent of Mt. Bertha. 1941.

HARVARD UNIVERSITY. INSTITUTE OF GEOGRAPHICAL EXPLORATION, *see also* Washburn, H. B. Preliminary report on mountains & glaciers Alaska. 1941.

HARVEY, WILLIAM HENRY, 1811-1866, *see* Rothrock, J. T. Sketch of flora of Alaska. 1868.

6740. HARVIE-BROWN, JOHN ALEXANDER, 1844-1916. On the distribution of birds in North Russia, I-III, and Appendix. (Annals and magazine of natural history, 1877. Ser. 4, v. 19, p. 277-90; v. 20, p. 1-30, 180-212, 494-99)

Contents: 1. On the distribution of birds in the lower Petchora, in North-east Russia (latitudinal distribution from 65°26'N. to the Golayevskaya Islands in Pechora Gulf). 2. Longitudinal distribution of species north of 64°30'N. lat., or the northern division (1st division: Kola Peninsula and all west of White Sea to Russian Finland; 2d division: 40°-50°E. or the delta of the Dvina River and east of White Sea, including Kolguyev Island; 3d division: 50°-65°E. or from the Zylma headwaters to the Urals and including Vaygach Island). 3, and Appendix. Southern region.

These papers form a descriptive list of collecting localities, with discussion

and tables showing actual records, probable occurrences, and abundance or scarcity. Part 1 is a companion paper to H. Seebohm and J. A. Harvie-Brown's *Notes on birds of the lower Pechora*, 1876. q.v.

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6741. HARVIE-BROWN, JOHN ALEXANDER, 1844-1916. *Travels of a naturalist in northern Europe, Norway, 1871, Archangel, 1872, Petchora, 1875. London, T. F. Unwin, 1905. 2 v. (xiv, viii, 541 p.) 24 plates (part col.) incl. ports., 4 maps (3 fold.)*

Contents include full day-to-day notes of this British ornithologist's trips in the Archangel region, June 1-Aug. 10, 1872, and along the Mezen and Pechora Rivers, Mar. 3-Aug. 8, 1875; with comment on travel conditions, Samoyeds of the region, fieldwork, wildlife, ornithological collecting, etc.

Appendices include: v. 1, A. Full list of seventy-two species of birds collected around Archangel. B. Full list of eggs. List of birds collected with young, nests and eggs. D. List of rarer birds in the museum at Archangel. v. 2. B. List of birds' eggs collected on the Great River Petchora (two hundred thirty-eight species). D. The Samoyèdes.

Copy seen: DLC; NNSf.

HARVIE-BROWN, JOHN ALEXANDER, 1844-1916, *see also* Seebohm, H., & Harvie-Brown, J. A. *Notes on birds of lower Pechora. 1876.*

6742. HARVILL, ALTON McCaleb, 1916-. *Notes on the moss flora of Alaska. I. The mosses of Attu Island collected by Margaret Bell Howard and George B. VanSchaack. II. Mosses from the Mt. McKinley region. (Bryologist, June and Dec. 1947. v. 50, p. 169-77, 341-48)*

Contains in pt. 1, annotated list of one hundred twenty-five species, of which seventy-six are new to Attu Island, and nine are new to Alaska, collected in 1945 by a Red Cross worker, and in 1943-45 by Lt. VanSchaack, U.S.N.R.; with a bibliography (11 items).

Pt. 2. Annotated list, with localities of fifty species, of which twenty-five are new to interior Alaska, collected in 1939, by Dr. and Mrs. A. Nelson, and in 1946, by C. Wahrhaftig, U. S. Geological Survey; with a bibliography (20 items).

Copy seen: DA.

HARWOOD, HENRY FRANCIS, 1886-. *see* Holmes, A., & H. F. Harwood. *Basaltic rocks arctic region. 1918.*

6743. HASKELL, WILLIAM B. Two years in the Klondike and Alaskan gold-fields; a thrilling narrative of personal experiences and adventures in the wonderful gold regions of Alaska and the Klondike, with observations of travel and exploration along the Yukon . . . including full and authentic information of the countries described. Hartford, Conn., Hartford Pub. Co., 1898. 558 p. incl. front., illus., 24 plates, fold. map.

The author describes Rampart and Circle, Alaska, in the gold rush days, as well as the Dawson region; notes the hardships along the routes into the Klondike, and remarks on placer mining. *Copy seen:* DLC; NNSf.

6744. HASLUND, OLE. *Den Grønlandske bolig i dag. (Grønlandske selskab. Aarsskrift, 1948. p. 98-117, illus. diagrs.) Title tr.: The Greenlanders' housing today.*

Discusses dwellings for families, hunters, fishermen, officials and other groups of Greenland residents. Notes difference in structure, of houses in northwest and southwest Greenland; furnishings, wallpaper, etc.

Copy seen: NN.

6745. HASSELROT, T. E. Några svenska fynd av *Gyrophora fuliginosa* Havås. (Svensk botanisk tidskrift, 1935. Bd. 29, häfte 2, p. 98-318, illus., 2 plates) *Title tr.: Some Swedish localities of Gyrophora fuliginosa* Havås.

Contains critical notes and data on the discovery of *Gyrophora fuliginosa*, a rare lichen, in Lycksele Lappmark, previously reported only from Petsamo Lappmark, Finland, alpine arctic regions of Norway and the southwestern part of Sweden; detailed distribution in Scandinavia is given; bibliography (15 items). Summary in German.

Copy seen: MH-A.

6746. HASSELROT, T. E. Två isolerade svenska fyndorter för *Normandina pulchella* (Borr.) Nyl. (Svensk botanisk tidskrift, 1948. Bd. 42, häfte 2, p. 185) *Title tr.: Two isolated Swedish localities of Normandina pulchella* (Borr.) Nyl.

Contains a report of the find, in 1947, of *Normandina pulchella* in two new

localities, including Arjeplog, Pite Lappmark, Sweden.

Copy seen: MH-A.

HASSERT, ERNEST EMIL KURT, *see* HASSERT, KURT, 1868-.

6747. HASSERT, KURT, 1868-. Die Polarforschung; Geschichte der Entdeckungsreisen zum Nord- und Südpol von den ältesten Zeiten bis zur Gegenwart. Leipzig, B. G. Teubner, 1902. iv, 156 p. (Aus Natur und Geisteswelt. 38. Bdchn.) *Title tr.:* Polar exploration; history of voyages of discovery to the North and South Pole from ancient times to the present. Second ed. 1907 (iv, 155 p.); 3d ed. rev. 1914 (2 p. l., 134 p. figs. and 2 plates)

Contains brief description of various arctic regions: Northwest and Northeast Passages, Smith Sound route, Greenland, and the European and Siberian Arctic Oceans.

Copy seen: DLC (3d ed.); NNNStef (1st & 2d eds.).

6748. HASSLOW, OLOF J. *Chara strigosa* A. Br., en för Finland ny art. (Botaniska notiser, 1937, häfte 6, p. 501) *Title tr.:* *Chara strigosa* A. Br., a species new to Finland.

Contains a brief report of the find of *Chara strigosa* in the Kuusamo region of Finland, a new species to algal flora of that country. *Copy seen:* MH-A.

6749. HASSLOW, OLOF J. Einige Characeenbestimmungen. (Botaniska notiser, 1939, häfte 2, p. 295-301) *Title tr.:* Some Characeae determinations.

Contains a list of thirty-six Characeae, fresh-water algae from various regions, with critical notes and descriptions, including *Nitella mucronata*, f. *haplophylla* and *Chara intermedia* native to Torne Lappmark, and Latin description of *C. coronata* v. *Kamtschadalis* n. var. from Paratunka, Kamchatka Peninsula. *Copy seen:* MH-A.

6750. HASSLOW, OLOF J. Einige Characeenbestimmungen, III. (Botaniska notiser, 1940, häfte 3, p. 287-88) *Title tr.:* Some *Chara* determinations, 3.

Contains a list of thirteen fresh-water algae of the family Characeae in Scandinavia, including *Chara fragilis* from Norrbotten and *C. strigosa* and *Nitella opaca*, native to Tromsø, Norway. *Copy seen:* MH-A.

6751. HASSLOW, OLOF J. Några Characeer från Amerika. (Botaniska notiser, 1934, häfte 4, p. 346-48) *Title tr.:* Some Characeae from America.

Contains critical notes on eleven species of Characeae from North and South America, including *Nitella opaca* and *Chara fragilis*, native to Unalaska, Aleutian Islands.

Copy seen: MH-A.

6752. HASSLOW, OLOF J. Norges Characeer. (Nytt magasin for naturvidenskapene, 1936. Bd. 75, p. 163-82) *Title tr.:* Norwegian Characeae.

Contains a critical revision of Characeae of Norway, with keys to the genera and species and an enumeration of seventeen species, of these algae including eight native to arctic regions of Norway.

Copy seen: MH-Z.

6753. HASSLOW, OLOF J. Sveriges Characeer. (Botaniska notiser, 1931, häfte 1-2, p. 63-136) *Title tr.:* Swedish Characeae.

Contains keys to the genera (*Nitella*, *Tolypella*, *Chara*) and species of the algal family Characeae, and an enumeration of thirty species with critical notes and detailed list of localities, including many in Swedish Lapland.

Copy seen: MH-A.

HASTRUP, O., *see* Jensen, J. C., & O. Hastrup. Grönlands overbetjente, 1721-1908. 1908.

6754. HATAI, KOTORA M. Migration of marine fauna in the North Pacific area during the younger Cenozoic era. (Pacific Science Congress. 6th, Berkeley, Stanford University and San Francisco, 1939. Proceedings, pub. Berkeley and Los Angeles, 1940. v. 2, p. 479-82)

Summary of evidence for migration of marine fauna between the eastern and western sides of the northern Pacific, based upon distribution of living and fossil species. Includes conclusions on the geologic periods when migrations are believed to have occurred.

Copy seen: DLC.

HATCH, ALDEN, 1898-, *see* Oliver, S., & A. Hatch. Back to the smoky sea. 1946.

HATCH, ALDEN, 1898-, *see also* Oliver, S., & A. Hatch. Son of smoky sea. 1941.

6755. HATT, GUDMUND, 1884-. Arktiske skindragter i Eurasien og

amerika; en etnografisk studie. København, J. H. Schultz, 1914. 4 p. l., 255 p. illus., 16 plates on 4 l. *Title tr.*: Arctic fur apparel in Eurasia and America. An ethnographic study. Author's thesis, University of Copenhagen.

Contains a description of hide and fur clothing, shirts, footwear, etc., used by the Eskimos, Lapps, and the Asiatic nomads and tribes, together with ethnographic and other data; includes notes on the origin of complex wearing apparel by these tribes; bibliography, p. 243-49. *Copy seen*: NN.

6756. HATT, GUDMUND, 1884-. Asiatic influences in American folklore. København, E. Munksgaard, 1949. 122 p. (Danske videnskabernes selskab. Historisk-filologiske meddelelser. Bd. 31, nr. 6)

Introductory discussion of cultural connection between peoples of north-eastern Asia and northwestern America, and detailed analysis of folklore motifs; with a bibliography (about 280 items). *Copy seen*: DSI-E.

6757. HATT, GUDMUND, 1884-. Kyst- og indlandskultur i det arktiske. (Geografisk tidsskrift, 1915-16. Kjøbenhavn, 1916. Bd. 23, p. 284-90) *Title tr.*: Coastal and inland culture in arctic regions.

Discussion, based chiefly on study of clothing and means of transportation, of two arctic culture types, varying in origin and age: the inland culture and the coastal culture. Discussion includes Eskimos, Chukchis, Lapps, Indians, etc. *Copy seen*: DLC.

6758. HATT, GUDMUND, 1884-. Moccasins and their relation to arctic footwear. (American Anthropological Association. Memoirs, 1916. v. 3, no. 3, p. 149-250, 89 illus.)

Based on specimens in eight museums; an analysis of style and structure of North American, Asiatic and European moccasins and Eskimo footwear; with views on their origin. Discusses role of moccasin and snowshoe in relation to author's theory of two stages of culture development in the boreal regions, one an early "coast" culture now best represented by the Eskimo, and the other a more recent "inland" culture, typified by the Tungusians and northern Indians. *Copy seen*: DLC.

6759. HATT, GUDMUND, 1884-. North American and Eurasian culture connections. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934. v. 4, p. 2755-65)

A discussion of hypotheses of prehistoric cultural connections, largely on the basis of distribution of material culture traits. Includes discussion of the connections of the supposed older, largely Eskimo, coastal culture and the later, Indian, inland culture. Bibliographic footnotes. *Copy seen*: DLC.

6760. HATT, GUDMUND, 1884-. Notes on reindeer nomadism. (American Anthropological Association. Memoirs, 1919. v. 6, no. 2, p. 75-133, illus.)

Practices and customs in connection with reindeer among various nomad peoples (Finns, Lapps, Samoyeds, Yakuts, Tungus, Chukchis, Kamchadals, Yukaghirs, Gilyaks, Koryaks, etc.) of northern Europe and Asia, and the effect of the reindeer on their cultures.

Discussion by B. Laufer, in American anthropologist, 1920. New ser., v. 22, p. 192-97; and by G. Hatt, in *ibid.*, 1921. New ser., v. 23, p. 97-101.

Copy seen: DLC.

6761. HATT, GUDMUND, 1884-. Om brugen af garvemidler hos naturfolkene. (Geografisk tidsskrift, 1911-12. Kjøbenhavn, 1912. Bd. 21, p. 147-51) *Title tr.*: On tanning processes used by primitive peoples.

Includes Eskimos, Chukchis and Lapps. *Copy seen*: DLC.

6762. HATT, GUDMUND, 1884-. Types of European colonization. (In: Greenland. Copenhagen, 1929. v. 3, p. 1-14)

A general discussion of colonial policy and exploitation in the rest of the world, and brief remarks on Danish administration of "Greenland for the Greenlanders." *Copy seen*: DLC.

HATT, GUDMUND, 1884-, see also Mathiassen, T. Vingede naalehus. 1929.

6763. HAUG, ÉMILE. Fossiles du Lias moyen recueillis par la mission Charcot au cap Stewart (terre de Jameson, Groenland oriental). (Academie des sciences, Paris. Comptes rendus, 8 fév. 1926. T. 182, p. 353-55, 548) *Title tr.*: Middle Liassic fossils collected by the Charcot Expedition on Cape Stewart (Jameson Land, East Greenland).

Result of the *Pourquoi-Pas?*'s visit in Aug. 1925, in Hurry Inlet, where a party went ashore on Cape Stewart (70°30'N.) for a geologic investigation. The author lists some twenty-four species of fossil lamellibranchs, ammonites, and brachiopods found, and discusses correlation with deposits elsewhere in Europe. **Copy seen:** DLC.

6764. HAUGE, C. N. Administrationen af Grønland. Statens monopolhandel paa Grønland afløses af privathandel? (Grønlandske selskab. Aarsskrift, 1926-27. p. 40-70, table) **Title tr.:** The administration of Greenland. Should the government trade monopoly be replaced by private trade?

Reviews and analyzes laws, pertaining to the administration of Greenland from 1776; discusses trade monopoly and emphasizes its advantages. Includes statistics. **Copy seen:** NN.

6765. HAUGE, HALVOR VEGARD. Botanisk litteratur om norske innsjøer. (Nytt magasin for naturvidenskapene, 1941. Bd. 82, p. 69-82) **Title tr.:** Botanical literature on Norwegian lakes.

Contains a critical review of literature on Norwegian lakes, with a list of lakes arranged by regions and a bibliography of 70 items, including some works on limnology, fresh-water vegetation and plankton.

Copy seen: MH-A; MH-Z.

6766. HAUGE-JOHANNESSEN, BETTY. Som veiviser for Nordenskiöld, gjennom nordostpassasjens første del. (Polar-årboken, 1933. p. 80-94, illus.) **Title tr.:** As pilot for Nordenskiöld on the first stretch of the Northeast Passage.

Biographical sketch of Hans Christian Johannesen, 1846-1920, and notes on his participation in the *Vega*, *Gjøa* and other expeditions, etc.

Copy seen: NN.

6767. HAUGHTON, SAMUEL, 1821-1897. On the fossils brought home from the arctic regions in 1859, by Captain Sir F. L. M'Clintock. (Royal Dublin Society. Journal, July and Oct. 1860, pub. 1862. v. 3, p. 53-58, 4 plates)

Based on collections from M'Clintock's expeditions with the *Fox*, 1857-59, and with Sir E. Belcher, 1852-54. Discussion (in brief) of the geology of the Canadian arctic archipelago, especially Somerset, King William, and

Prince of Wales Islands and Boothia Peninsula, with a list of ten localities, giving the type of rock and the fossils.

Copy seen: DLC.

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L. Voyage of the *Fox*. 1859.

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L. Voyage of the *Fox*. Boston, 1860.

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L. Voyage of the *Fox*. London, 1860.

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L. Voyage of the *Fox*. London, 1860 (reprint).

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L. Voyage of the *Fox*. Phila., 1860.

HAUGHTON, SAMUEL, 1821-1897, see also M'Clintock, Sir F. L., & S. Haughton. Reminiscences arctic ice-travel. 1858.

HAUGHTON, SAMUEL, 1821-1897, see also Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

6768. HAUSEN, HANS. Quatärgeologische Beobachtungen im nördlichen Teil des Petsamo-Gebietes (Finnländische Eismeerküste). Helsingfors, 1925. 29 p., 8 illus. incl. map, fold. map. (Fennia. Hefte 45, no. 7) **Title tr.:** Quaternary geological observations in the northern part of the Petsamo region (arctic coast of Finland).

A study of the Quaternary geomorphology of the Pechenga area of northern Finland (northwestern U.S.S.R.) north of about 69°N. Observations on distribution and origin of (1) physiographic regions, (2) glacial erosion features, moraines, and glacio-fluvial deposits, (3) hydrographic and other features related to late uplift of the land, (4) clay deposits in regions of land subsidence, (5) uplifted shell deposits, (6) postglacial weathering and erosion. Includes notes on moor development in the far North and on the latitudinal and altitudinal distribution of birch, pine, and spruce forests.

Maps: 1. Lower Petsamo River valley, scale 1:200,000.

2. Fold. map, scale 1:500,000, showing distribution of Quaternary land

forms and limits of vegetation of the Pechenga area. *Copy seen:* DLC.

6769. HAUSEN, HANS. Über die Präquartäre Geologie des Petsamo-Gebietes am Eismeere. Helsinki-Helsingfors, Imprimerie de l'état, 1926. 100 [1] p. 13 illus. (incl. map), 2 plates, fold. col. map. (Finland. Geologiska kommissionen. Bull. 76) *Title tr.:* On the pre-Quaternary geology of the Petsamo region on the Arctic Ocean.

Contains description of the regional, structural, and stratigraphic geology and petrology. Includes notes on the Rybachiy Peninsula, and detailed study of geology of the mountain range Petsamontunturit, with a schematic geologic cross-section and a discussion of the occurrence of nickel and other ores. Bibliography, p. 10-13.

Maps: 1. Geologic sketch map of northern Fennoscandia, scale 1:6,000,000; 2. General geologic map of the Petsamo area and vicinity, scale 1:400,000, showing distribution of rock formations and economic minerals.

Copy seen: DLC.

6770. HAUSLAB, FRANZ, 1798-1883. Inference applied to geography, with special reference to ocean currents and the arctic regions. (Royal Geographical Society. Journal, 1875. v. 45, p. 34-45, 2 fold. maps)

Theoretical discussion of ocean currents in general, and those of the Arctic in particular. Gives the author's view about the effect upon currents of the earth's configuration and rotation; a contribution to the then flourishing discussion of the best route to the North Pole.

Copy seen: DLC.

6771. HAUSSKNECHT, HEINRICH KARL, 1838-1903. Monographie der Gattung *Epilobium*. Jena, J. Fischer, 1884. 318 p. 23 plates, 3 tables. *Title tr.:* Monography of the genus *Epilobium*.

Contains a monographic treatment of about one hundred seventy species and many forms and hybrids of herbaceous genus *Epilobium*, arranged in five sections: (1) Europe, (2) Asia, (3) Africa, (4) America, (5) Oceania; with a morphological sketch, a survey of geographic distribution (including eight species in arctic regions), keys to the sections and species, Latin de-

scriptions, synonymy, critical notes, lists of illustrations, exsiccata, localities and vernacular names in various languages; a table of hybrids, two tables of distribution in various geographic regions and indices. Includes many native to the Arctic. A review and descriptions in Swedish of the Scandinavian species were published in Botaniska notiser, 1884, p. 189-99, by S. Murbeck. *Copy seen:* MH-G.

6772. HAUSSMANN, KARL, 1860-1940. Erdmagnetische Forschung. (In: Berson, Arthur, ed. Die Arktisfahrt des Luftschiffes "Graf Zeppelin" im Juli 1931. 1933. p. 78-80)

Remarks on the equipment, the research plans, and the personnel for terrestrial magnetic work of the *Graf Zeppelin* expedition. *Copy seen:* DLC.

HAVEN, PEDER von, 1715-1757, see Stejneger, L. H. Early account Bering's voyages. 1934.

6773. HAVILAND, MAUD D. Notes on bird-migration at the mouth of the Yenesei River, Siberia, as observed in the autumn of 1914. (Ibis, July 1915. Ser. 10, v. 3, p. 395-99)

Copy seen: DSI-M.

6774. HAWKE, ERIC LUDLOW. Summer at the North Pole. (London. Royal Meteorological Society. Quarterly Journal, Oct. 1937. v. 63, p. 491-93)

A résumé of meteorological observations made from the Soviet Drifting Ice-floe Station "North Pole" during the period May 23-Aug. 29, 1937.

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6775. HAWKES, ERNEST WILLIAM, 1883- . The dance festivals of the Alaskan Eskimo. Philadelphia, University Museum, 1914. 41, [1] p. 5 plates. (University of Pennsylvania. The University Museum. Anthropological Publications. v. 6, no. 2)

Based on the author's observations during two years spent on Diomed Islands and one year at St. Michael. Contains a phonetic key, general notes on the dance, and description of the dance house and paraphernalia, the festivals, annual feast, great feast and inviting-in festival.

Copy seen: DLC; NNSf.

6776. HAWKES, ERNEST WILLIAM, 1883- . The "Inviting-in" feast of the Alaskan Eskimo. Ottawa, Govt. Print.

Bureau, 1913. 2 p. l., 20 p. illus., 13 plates. (Canada. Geological Survey. Memoir 45. Anthropological series, no. 3)

Describes the dance house, songs, jances, masks, etc., used in connection with this festival; as observed by the author while stationed at St. Michael, 1911-12, as government teacher to Eskimos of the region, also p. 19-20, comment on the borrowing of Eskimo customs noted by J. W. Chapman in his *Notes on the Tinneh tribe*, 1907, q.v.

Copy seen: DLC.

6777. HAWKES, ERNEST WILLIAM, 1883- . The Labrador Eskimo. Ottawa, Govt. Print. Bureau, 1916. 1 p. l., x, 235 p. incl. illus., 35 plates, fold. map (in pocket). (Canada. Geological Survey. Memoir 91. Anthropological series no. 14)

Contains chapters on history and distribution, food, clothing, houses, transportation, hunting and fishing, utensils and art; on social organization and customs, games, music, religion and mythology, with twenty-four tales including legends on ancestral migration to Labrador and on the Tunnit.

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6778. HAWKES, ERNEST WILLIAM, 1883- , and W. D. WALLIS. A note on the glenoid fossa. (American anthropologist, 1916. New ser., v. 18, p. 440-44)

Discussion of Knowles, F. H. S., *The glenoid fossa in the skull of the Eskimo*, 1915, q.v.

Copy seen: DLC.

6779. HAWKES, ERNEST WILLIAM, 1883- . Skeletal measurements and observations of the Point Barrow Eskimo, with comparisons with other Eskimo groups. (American anthropologist, 1917. New ser., v. 18, p. 203-244, illus. 7 plates, tables) Also issued as Ph.D. thesis to Univ. of Pennsylvania, 1916.

Tables of data and discussion based on specimens in Wistar Institute of Anatomy, Philadelphia, and on author's observations in Labrador and Alaska.

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6780. HAWKES, ERNEST WILLIAM, 1883- . Transforming the Eskimo into a herder. An account of the reindeer industry in Alaska. (Anthropos. Ephemeris, 1913. Bd. 8, p. 359-62, 3 plates)

Brief description of the origin, or-

ganization, and incidents of the reindeer industry of Alaska.

Copy seen: DLC.

6781. HAWLEY, JAMES EDWIN, 1897- . The association of gold, tungsten, and tin at Outpost Islands, Great Slave Lake. (*In:* Contributions to Canadian mineralogy, 1939. Toronto. University. Studies, 1939. Geol. ser. no. 42, p. 53-66, plate)

Results of field and laboratory studies on quartzites, with remarks on possible origin.

Copy seen: DGS.

6782. HAWLEY, JAMES EDWIN, 1897- . Geology and economic possibilities of Sutton Lake area, District of Patricia. Printed by order of the Legislative Assembly of Ontario. Toronto, Printed and Published by C. W. James, 1926. v, 56 p. illus., maps (1 fold.) tables, diagrs. (Ontario. Dept. of Mines. Annual report, pt. 7, 1925)

Contents include: Introduction (including routes). Physiography (Washigami River and Lakes, Trout (later named Sutton) River, Sutton Lake, and Trout Creek, Aquatuk River and Lake, Little Ekwan River). Stratigraphic geology (including iron formation, iron ores, origin of iron, igneous rocks). Veins (quartz). Economic possibilities (silver and iron). Routes and transportation facilities to James Bay and along its west coast (routes to Moose Factory and to Fort Albany, local sailing vessels, canoes, power boats, detachable engines, and sails).

Copy seen: DGS.

6783. HAY, OLIVER PERRY, 1846-1930. Characteristics of sundry fossil vertebrates. 1. Additional specimens of *Equus lambei* from the Yukon. (Pan-American geologist, Mar. 1923. v. 39, p. 101-103, plate)

Description of a nearly complete skull of a fossil horse from near Dawson.

Copy seen: DGS.

6784. HAY, OLIVER PERRY, 1846-1930. Description of a new species of extinct horse, *Equus lambei*, from the Pleistocene of Yukon Territory. (U. S. National Museum. Proceedings, 1916 pub. 1917. v. 53, p. 435-43, 3 plates)

Description, with measurements and comparative data, based on a skull found in the Klondike region in 1903

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HAYCOCK, M. H., *see* Kidd, D. F., & M. H. Haycock. Mineragraphy of ores Great Bear L. 1935.

6785. HAYES, CHARLES WILLARD, 1859-1916. Copper River as a route to Yukon Basin. (American Geographical Society, N. Y. Journal (Bulletin) 1898. v. 30, p. 127-34, map)

The author was a member of the Schwatka expedition, 1891, and at that time covered the east branch and lower portion of the Copper River. He describes the river here, especially the obstacles to navigation, and discusses its use as a route. *Copy seen: DLC.*

6786. HAYES, CHARLES WILLARD, 1859-1916. An expedition through the Yukon district. (National geographic magazine, May, 1892. v. 4, p. 117-62, 3 maps)

Contains the narrative of the Schwatka Yukon basin expedition, 1891, via the Taku, Teslin, Lewes, White, and Copper Rivers; a description of the topography, vegetation, rocks, gold and copper, volcanic phenomena, and glacial phenomena.

Appendix: CUMMINGS, C. E. Cryptogams collected by Dr. C. Willard Hayes in Alaska, 1891. (This paper appears in this Bibliography under its author's name) *Copy seen: DGS.*

6787. HAYES, ERNEST HENRY. Forty years on the Labrador; the life-story of Sir Wilfred Grenfell. New York, Chicago [etc.] Fleming H. Revell Co. [1930] 128 p. front. (port.) 2 plates. *Copy seen: DLC; NNSf.*

6788. HAYES, ISAAC ISRAEL, 1832-1881. Address on arctic exploration. (American Geographical Society. Journal, 1870. v. 2, pt. 2, p. 1-31, map)

A paper read before the Society, Nov. 12, 1868. Remarks on the course of exploration from antiquity to the author's own efforts in 1860-61, with emphasis on the route to the Pole by way of Smith Sound, and the currents of the polar sea. *Copy seen: DLC.*

6789. HAYES, ISAAC ISRAEL, 1832-1881. An arctic boat-journey in the autumn of 1854, by Isaac I. Hayes. London, R. Bentley, 1860. xliii, 379, [1] p. fold. map.

London edition, with the addition of Introductory notice by Dr. Norton Shaw, commenting on results of the

Franklin search, with a list of arctic expeditions and publications 1845-60. This edition lacks the map of arctic regions in the Boston 1860 edition, and has the chart of Baffin Island reduced.

Copy seen: DLC.

6790. HAYES, ISAAC ISRAEL, 1832-1881. An arctic boat journey, in the autumn of 1854. Boston, Brown, Taggard and Chase; New York, Sheldon & Co., 1860. 3 p. l., [vii]-xvii, 375 p. 2 fold. maps (incl. front.)

Contains a brief outline of the Second Grinnell Expedition, which the author accompanied as surgeon; and (in detail) his account of a four-month journey, in the autumn 1854, of a party from the expedition's winter quarters, Rensselaer Harbor, towards Upernavik and return; their boating and sledging along Smith Sound and the Greenland west coast (between 78°45'-76°30'N.); comments on the physical features, botany, the hunting and the Eskimos of the region.

Appendix contains Proceedings of scientific societies relative to Dr. Hayes' proposed arctic expedition (to north-west Greenland, 1860-61).

Maps: 1. Chart of the upper limit of Baffin Bay illustrating Hayes' boat journey; 2. Arctic regions showing proposed track of Hayes' 1860-61 expedition. *Copy seen: DLC.*

6791. HAYES, ISAAC ISRAEL, 1832-1881. An arctic boat journey, in the autumn of 1854. New ed., enl. and illustrated. Boston, Ticknor and Fields, 1867. xxiii p., 1 l., 387 p. incl. front. plates, 2 maps.

A reprint of the *Arctic boat journey*, with the addition of the author's prefatory note. Also Notes to the new edition, p. 376-87, (comments resulting from Hayes' 1860-61 expedition); and without the fold. maps of the 1860 edition. This edition was republished (with some pagination, etc.) in Boston by J. R. Osgood & Co., 1871.

Copy seen: DLC.

6792. HAYES, ISAAC ISRAEL, 1832-1881. The land of desolation: being a personal narrative of observation and adventure in Greenland. New York, Harper & Bros., 1872. 357 p. incl. front., illus., 20 plates, ports., plan.

Narrative of a visit to Greenland in the steam yacht of the artist Wil-

liam Bradford, 1869, giving an account of the trip along the coast, from Julianehaab to Melville Bay, with chapters on the Norse ruins, on the settlement of Julianehaab, glaciers, icebergs, fiords, polar bear hunting, Melville Bay, Upernavik, Disko Island, Godhavn, etc., with numerous illustrations of local scenes and customs.

Copy seen: DLC; NNS Stef.

6793. HAYES, ISAAC ISRAEL, 1832-1881. Lecture on arctic explorations. (Smithsonian Institution. Annual report, 1861, *pub.* 1862, p. 149-60).

Summary account of the author's expedition to the Smith Sound region, 1860-61, the wintering at Port Foulke on northwest Greenland, the trip to Grinnell Land, the meteorological observations, explorations, and surveys made.

Copy seen: DLC.

6794. HAYES, ISAAC ISRAEL, 1832-1881. Observations upon the practicability of reaching the North Pole. (American journal of science, Nov. 1858. Ser. 2, v. 26, p. 305-23; also *pub.* in: American Association for the Advancement of Science. Proceedings, 1858, v. 12, p. 234-54)

Paper read before the American Association for the Advancement of Science, May 3, 1858, discussing the various attempts to reach the Pole by other routes, and analysing the Baffin Bay-Smith Sound route. Includes remarks on its birds, plants, climate, Eskimo inhabitants, and (throughout) the ice conditions.

Copy seen: DSI-M.

6795. HAYES, ISAAC ISRAEL, 1832-1881. The open polar sea: a narrative of a voyage of discovery towards the North Pole, in the schooner "United States". New York, Hurd and Houghton, 1867. xxiv, 454 p. front. (port.) illus., 9 plates (incl. maps)

Narrative of Hayes Arctic Exploring Expedition, 1860-1861, in the schooner *United States* to the Smith Sound region, to extend northward the explorations of the Second Grinnell Expedition, and to make scientific observations and collections.

Contains an account of the organization and course of the expedition; the wintering at Port Foulke; survey of "My Brother John's Glacier"; death of Augustus Sonntag; sledge journeys north (to about 81°-82°N.) along coasts of Greenland and Ellesmere

Island; voyage in Smith Sound; with comments throughout on Eskimos, physical features of the region, and on the daily work.

Copy seen: DLC.

6796. HAYES, ISAAC ISRAEL, 1832-1881. The open polar sea: a narrative of a voyage of discovery toward the North Pole, in the schooner "United States." New York, Hurd and Houghton, 1869. 3 p. l., [xi]-xxiv, 454 p. front., illus., 9 plates (incl. map)

Popular edition of work first published in 1867; reprinted by D. McKay, Philadelphia [1886] (same pagination, etc.)

Copy seen: DLC.

6797. HAYES, ISAAC ISRAEL, 1832-1881. The passage to the North Pole. (American journal of science, May 1858. Ser. 2, v. 25, p. 384-92)

A discussion of inferences to be drawn from early voyages toward the polar basin, and of the desirability of exploring possibilities of the Baffin Bay-Smith Sound route.

Copy seen: DSI-M.

6798. HAYES, ISAAC ISRAEL, 1832-1881. Physical observations in the arctic seas, made on the west coast of North Greenland, the vicinity of Smith Strait and the west side of Kennedy Channel, during 1860 and 1861. Reduced and discussed at the expense of the Smithsonian Institution. By Charles A. Schott. [Washington, Smithsonian Institution, 1867] xi p., 1 l., 271 p., illus., maps (incl. fold.), diags. (Smithsonian contributions to knowledge. [v. 15, art. 5]) Smithsonian Institution publication 196.

Scientific results of the Arctic Exploring Expedition 1860-1861, under I. I. Hayes.

Contents: Introduction (a summary account of the expedition).

Pt. 1. Astronomical observations (record and results of astronomical and geodetic observations with preliminary note on instruments and methods), p. 1-69.

Pt. 2. Magnetic observations (record and results with introductory note on instruments and methods), p. 71-112.

Pt. 3. Tidal observations (record and results with introductory note on instruments and methods), p. 113-64.

Pt. 4. Meteorological observations (record and results for Port Foulke: temperature, atmospheric pressure, and

wind, with introductory note on methods and instruments), p. 165-239.

Appendix (record of weather and miscellaneous notes, kept in the course of the voyage and at Port Foulke, July 1860-Oct. 1861), p. 241-70.

Maps include map (1:1,200,000) of west coast of Greenland, east coast of Ellesmere Island, about 76°-82°N., showing discoveries, trails and surveys of the Second Grinnell Expedition 1853-55, and of Hayes' Expedition 1860-61, also map (1:170,000) of the vicinity of Port Foulke (Hayes' winter quarters) from original surveys.

Copy seen: DLC.

6799. HAYES, ISAAC ISRAEL, 1832-1881. Pictures of arctic travel, Greenland. New York, Printed for the author by J. J. Little & Co., [1881] 144 p. Also issued in New York by G. W. Carleton & Co., and London by S. Low & Co., 1881.

Popular sketches of life and people (a Danish doctor, native Eskimos and others), the icebergs and glaciers of West Greenland.

Copy seen: DLC; NNSStef.

6800. HAYES, JAMES GORDON, 1877- The conquest of the North Pole; recent arctic exploration. New York, Macmillan Co., 1934. 317 p. front., illus. (plan) plates, ports., maps (part fold.) Also published in London by Butterworth, 1934 (same pagination, etc.)

Contains an account (with list) of expeditions, 1909-34, and (in more detail) of the Danish *Danmark Expedition*, 1906-08, under Mylius-Eriksen.

Copy seen: DLC.

6801. HAYES, JAMES GORDON, 1877- Robert Edwin Peary, a record of his explorations, 1886-1909. London, G. Richards & H. Toulmin [1929] xv, 299 p. 8 plates, 7 maps (4 fold.) diags. Analysis and critical evaluation of Peary's achievements.

Contains chapters on Peary's expeditions to the North Greenland region; a review of his book *The North Pole*; discussion of the polar pack on Peary's routes, navigational methods, Peary's sledging; exaggerations, marvels and mysteries regarding Peary's reports; notes and comments on Peary's claim to have reached the North Pole, his physical fitness and probable course; concluding remarks on the attitude of scientific institutions to Peary's claim,

and an estimate of Peary's character.

Includes R. A. Bartlett's log; list of other critics of Peary; bibliography (49 items), and an index. The table of contents is followed by a useful index to schedules of journeys, and tables of speeds, distances, astronomical observations, etc. *Copy seen:* DLC; NNSStef.

6802. HAYES, MARCIA. Some problems of health in Alaska. (Pacific Science Congress. 6th, Berkeley, Stanford University and San Francisco, 1939. Proceedings, *pub.* Berkeley and Los Angeles, 1942. v. 5, p. 465-72)

Contains demographic analysis of the population by age, race, and sex; description of economic conditions; detailed presentation of the health problems of the natives, particularly tuberculosis, malnutrition, and respiratory infections; description of public health facilities; and recommendations for a health program.

Copy seen: DLC.

6803. HAYNE, M. H. E. The pioneers of the Klondyke; being an account of two years police service on the Yukon. London, S. Low, Marston & Co. Ltd., 1897. xii p., 1 l., [2], 184 p. incl. front. (port.) sketch map, 15 plates.

Tales from a Royal Northwest Mounted Police detachment stationed near Forty Mile on the Yukon, 1895-97.

Copy seen: DLC; NNSStef.

6804. HAYNES, B. C. Polar weather flights. (Weather, Jan. 1949. v. 4, no. 1, p. 11-15, illus., plate)

"Interesting account of flight from Fairbanks, Alaska to the North Pole and return on August 2, 1948. Accompanied by cross-section showing place of lowest temperature at 20,000 ft. not at pole but about 82°N. on the Alaska side."—*Meteorological abstracts and bibliography*, Jan. 1950, v. 1, no. 1, p. 20.

Copy seen: DLC; DWB.

6805. HAYNES, THOMAS S. The Nulato massacre. (Alaska life, Oct. 1940. v. 3, no. 10, p. 12-13, illus.)

An account of the massacre of Russian traders in 1856, as told to the author in 1904, by Chief Isaac of the Koyukon Indians, who participated.

Copy seen: DLC.

HAYS, GEORGE A., *see* Buck, C. E., & G. A. Hays. Alaska's health needs. 1945.

6806. HAYWARD, H. O'B. The Oxford University Greenland expedition, 1935. (Geographical journal, Aug. 1936. v. 88, p. 148-62, illus., 2 plates (incl. map))

A narrative of the expedition and a description of the Sarfartok River area south of Søndre Strømfjord, where preliminary surveying was done.

Copy seen: DLC.

HAZARD, DANIEL LYMAN, 1865- , see U. S. Coast & Geodetic Survey. Alaska magnetic tables. 1944.

6807. HAZARD, JOSEPH T. Pacific crest trails from Alaska to Cape Horn. Seattle, Superior Pub. Co. [1946] 317 p. front., 16 plates. Enlarged revised edition (352 p.) was issued by the same publisher in 1948.

Includes a section on Alaskan mountains from Katmai to McKinley.

Copy seen: DLC (both editions); NNStef (1946).

HAZEN, WILLIAM BABCOCK, 1830-1887, see U. S. Signal Office. Work of Signal Service Arctic. 1883.

HEALY, MICHAEL A., see Bean, T. H. Description of new species *Aspidophoroides*. 1886.

HEALY, MICHAEL A., see also U. S. Revenue-cutter Service. Report cruise Corwin 1885. 1887.

HEALY, MICHAEL A., see also U. S. Revenue-cutter Service. Report cruise of Corwin Arctic O. 1884. 1889.

6808. HEATH, HAROLD, 1868- . Birds observed on Forrester Island, Alaska, during the summer of 1913. (Condor, Jan. 1915. v. 17, p. 20-41, illus.)

A description of one of the southernmost islands of southeastern Alaska, and its vegetation, and annotated lists of twenty-two land birds, and twelve sea birds observed there during field work, May 16-Aug. 9, 1913.

Copy seen: DSI-M.

6809. HEATH, HAROLD, 1868- . The nesting habits of the Alaska wren. (Condor, Mar. 1920, v. 22, p. 49-55, illus.)

Detailed account of the behavior, habitat, nest, and eggs of *Nannus troglodytes alascensis*, with notes on its

distribution and related races on the Aleutians, Pribilofs and Kodiak Island.

Copy seen: DSI-M.

6810. HEATH, HAROLD, 1868- . Special investigation of the Alaska fur-seal rookeries, 1910. Washington, U. S. Govt. Print. Off., 1911. 22 p. (U. S. Fish and Wildlife Service. Report of the Commissioner of Fisheries, 1910. Special paper no. 5) U. S. Bureau of Fisheries document no. 748.

Report of the naturalist on St. Paul and St. George (Pribilof) Islands, June 29-Aug. 29, giving counts of bulls, breeding cows, and pups, estimates, discussion of conservation, patrol and pelagic sealing, causes of deaths, and ages.

Copy seen: DF.

6811. HEATING AND VENTILATING. New rubber developed for arctic use. (Heating and ventilating, Oct. 1949. v. 46, no. 10, p. 69)

News note on the "discovery of a synthetic rubber polymer that will bounce instead of shatter at 75°F below zero."

Copy seen: DLC.

HEBARD, MORGAN, 1887- , see Preble, E. A., & others. Biological survey of Pribilof Islands. 1923.

6812. HECK, NICHOLAS HUNTER, 1882- . The corpuscular-ray theory of the aurora. (American Geophysical Union. Transactions, 1929. v. 10, p. 67-73, illus.)

Part of a symposium on physical theories of magnetic and electric phenomena, giving a history of research in the Arctic and elsewhere and a review of contemporary work, especially in Norway. *Copy seen:* DLC.

6813. HECK, NICHOLAS HUNTER, 1882- . The earthquake services of the north-east Pacific region. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934. v. 3, p. 2357-63, 3 maps)

Summarizes the location of seismological stations and earthquake foci and belts, including Alaska and Aleutian waters, and briefly discusses some of the related problems and theories.

Copy seen: DLC.

6814. HECK, NICHOLAS HUNTER, 1882- . The seismograph station at the University of Alaska at College near Fairbanks. (Seismological Society of

America. Bulletin, Apr. 1936. v. 26, p. 125-28, illus.)

Account of a station instituted Nov. 17, 1935, and operated jointly by U. S. Coast and Geodetic Survey and the University of Alaska.

Copy seen: DGS.

HECK, NICHOLAS HUNTER, 1882- , see also U. S. Coast & Geodetic Survey. Earthquake history U. S. Pt. 1. 1938.

6815. HEDBERG, OLOV. Bidrag till kännedomen om Torne Lappmarks adventivflora. (Svensk botanisk tidskrift, 1948. Bd. 42, häfte 1, p. 77-80) *Title tr.*: Contributions to the adventitious flora of Torne Lappmark (Sweden).

Contains report on localities of adventive plants from the high mountain district of Torneträsk, Torne Lappmark, spread during the last war chiefly by military transports and can-tonments.

Copy seen: MH-A.

6816. HEDBERG, OLOV. Bidrag till Torne Lappmarks flora. (Botaniska notiser, 1947, häfte 2, p. 178-81) *Title tr.*: A contribution to the flora of Torne Lappmark.

Contains data on new localities of various plants within the region, plant analyses, critical notes, etc., based on literature sources and the author's investigations in 1944-45.

Copy seen: MH-A.

HEDDICKE, H., see Strand, E. Neue Beitr. z. Arthropoden-Fauna. I-XXVI. 1910-16.

6817. HEDEGAARD, A. T. Bemaerkninger i anledning af det i det Grønlandske selskab d. 22-marts 1911 af justitsraad R. Müller holdte foredrag om rational hvalrosfangst. (Grønlandske selskab. Aarskrift, 1913. p. 3-21) *Title tr.*: Remarks concerning the lecture on scientific walrus hunting, delivered before the Greenland Society on March 22, 1911, by Counsellor of Justice E. Müller.

Takes issue with R. Müller, q.v., and his recommendation that Holsteinsborg be made the center of walrus hunting by modern methods; author suggests Agto and Akigigiserniak as preferable because of needs and skills of inhabitants; remarks on habits of walrus, hunting methods, etc.

Copy seen: NN.

HEDEMO, BROR, see Abisko. Naturvetenskapliga station. Observations météorologiques à Abisko, 1913-29. 1920-30.

6818. HEDGPETH, JOEL WALKER, 1911- . The *Albatross* of Alaska. (Alaska life, Jan. 1945. v. 8, no. 1, p. 58-60, illus.)

Story of the U. S. Fish Commission steamer *Albatross* built in 1882, and her research voyages, the results of which contributed largely to scientific knowledge of the North Pacific and Bering Sea.

Copy seen: DLC.

6819. HEDGPETH, JOEL WALKER, 1911- . A key to the Pycnogonida of the Pacific coast of North America. (San Diego Society of Natural History. Transactions, Apr. 1941. v. 9, p. 253-63, incl. 3 plates)

Includes sea spiders which occur in Bering Sea and Gulf of Alaska.

Copy seen: DGS.

6820. HEDIN, SVEN ANDERS, 1865- . Segrarens hemkomst. (Ymer, 1930. Årg. 50, p. 32-38, illus.) *Title tr.*: The homecoming of the victor.

Description of the *Vega* Expedition, 1878-1880, and of the celebrations connected with the party's return.

Copy seen: DLC.

HEDIN, SVEN ANDERS, 1865- , see also Hyllningsskrift tillägnad S. Hedin, 1935.

6821. HEDING, SVEN GUSTAF, 1902- . Echinoderms. København, C. A. Reitzel, 1935. 68 p. illus. (incl. maps, diagrs.) 2 plates. (Meddelelser om Grønland. Bd. 104, nr. 13)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land. List with descriptive notes and keys, of nineteen species collected at Kangerdlugssuaq and Mikis Fiord, with complete lists of known species from East Greenland waters.

Copy seen: DSI-M; DGS.

6822. HEDING, SVEN GUSTAF, 1902- . Echinoderms. København, C. A. Reitzel, 1936. 34 p. illus. (Meddelelser om Grønland. Bd. 108, nr. 1)

Results of the 6th and 7th Thule Expeditions to southeast Greenland, 1931-33, the echinoderms of the 7th Thule Expedition being largely from the Angmagssalik and Kangerdlugssuaq

vicinities, and a few from Lindenows Fiord, Sermilik and other localities. Author gives a classified, annotated list, with extensive notes and localities of twenty-eight (including with descriptions, two new) species of echinoderms; notes on two new subgenera of *Henricia*; and notes on the genus *Leptasterias*. **Copy seen:** DGS; DSI-M.

6823. HEDING, SVEN GUSTAF, 1902—. Holothuriodea. Part I. Apoda.—Molpadiodea.—Gephyrothuriodea. Copenhagen, B. Luno, 1935. 84 p. illus., 8 plates, 2 sketch charts, table. (Ingolf-expedition, 1895-1896. [Reports] v. 4, pt. 9)

Based on collections made by the cruiser *Ingolf* and other expeditions in Baffin Bay-Davis Strait, Denmark Strait, Greenland Sea and Svalbard waters. A taxonomic and geographic study of the sea cucumbers, including keys, and a list of twenty species of which eight new are fully described.

Copy seen: DSI-M.

6824. HEDING, SVEN GUSTAF, 1902—. Holothuriodea. II. Aspidochirota-Elasipoda-Dendrochirota. Copenhagen, H. Hagerup, 1942. 39 p. illus., 2 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 4, pt. 13)

Based on collections made by the cruiser *Ingolf* and on other Danish collections from Davis and Denmark Straits and Greenland Sea. A list, with synonyms, localities and notes, of thirty-five (including with descriptions, five new) species of these echinoderms from over 300 meters depth; with a bibliography (31 items).

Copy seen: DSI-M.

6825. HEDING, SVEN GUSTAF, 1902—. *Myriotrochus eurycylus* n. sp. A new apedate holothurian from the Kara-Sea. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1935. Bd. 98, p. 229-34)

Systematic description of a new form, the biology and distribution of which were treated by G. P. Gorbunov in *Iglokozhie severnoi poloviny Karskogo moria*, 1933, q.v. **Copy seen:** DSI-M.

6826. HEDING, SVEN GUSTAF, 1902—, and G. MANDAHIL-BARTH. Investigations on the anatomy and systematic position of the parasitic snail *Entocolax* Voigt. København, C. A.

Reitzel, 1938. 40 p. illus. (Meddelelser om Grønland. Bd. 108, nr. 5)

Results of the 6th and 7th Thule Expeditions to southeast Greenland, 1931-33. Detailed anatomical study of several species of *Entocolax*, including description of *E. schwannwitschi*, n. sp., with remarks on occurrence and position in the host, an echinoderm.

Copy seen: DGS; DSI-M.

HEDLEY, JOHN R., see Stefansson, V. Friendly Arctic (Canad. Arctic exped. 1913-18). 1921-1943.

6827. HEDLUND, T. Om *Ribes rubrum* L. s. l. (Botaniska notiser, 1901. p. 33-72, 83-106, 155-58)

Contains a taxonomic study of a collective species of currant, *Ribes rubrum* (fam. Grossulariaceae), with a key to species and an enumeration of thirteen species of these shrubs, including *R. rubrum subglandulosum* (northern Siberia, Sitka), *R. propinquum* (arctic Siberia), and *R. pubescens* (Finnmark, Norway).

Copy seen: MH-A.

HEDSTRÖM, H., see De Geer, G. J. Europeiska nordhafvet samt fjordbildningar. 1910.

6828. HEEG, M. Mittheilungen über einige Arten der Gattung *Riccia*, I-II. (Botaniska notiser, 1898, p. 15-24, 107-116) **Title tr.:** Communications on some species of the genus *Riccia*, I-II.

Contains data on morphology, taxonomy and distribution of five species of hepatic genus *Riccia*, including *R. sorocarpa* and *R. frostii* brought home by H. W. Arnell, in 1876, from the lower Yenisey River region.

Copy seen: MH-A.

6829. HEEGAARD, P. E. The zoology of East Greenland. Decapod crustaceans. København, C. A. Reitzel, 1941. 72 p. illus. (incl. 25 sketch maps). (Meddelelser om Grønland. Bd. 121, nr. 6)

Based primarily on collections of the Three-Year Expedition, 1931-34, the 6th and 7th Thule Expeditions, 1931-33, Thor Expedition, 1935, and Dana Expedition, 1933, with additions from previously published records.

Contains a systematic synopsis with synonyms, East Greenland occurrence, distribution (illus. with maps) and remarks, of thirty-two species of marine crustaceans (one crab, nine hermit

crabs, and twenty-two shrimps); some general remarks on zones, a summary table of geographic and bathymetric distribution, and a bibliography (87 items). *Copy seen:* DSI-M; DGS.

6830. HEER, OSWALD, 1809-1883. Anmärkningar öfver de af svenska polarexpeditionen 1872-73 upptäckte fossile växter. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1874. Arg. 31, no. 1, p. 25-32) *Title tr.:* Remarks on fossil plants found by the Swedish Polar Expedition, 1872-73.

Contents tr.: 1. Carboniferous plants from Roberts River near Recherche Bay, 77° ½'N. 2. Jurassic plants from Cape Boheman in Ice Fiord (78°23'N.) 3. Cretaceous plants from the sandstone hill at Cape Staratschin (78°N.) 4. Miocene plants from Spitsbergen: (a) plants from Scott's Glacier in Recherche Bay; (b) plants from Cape Lyell; (c) plants from Cape Heer.

Copy seen: DLC.

6831. HEER, OSWALD, 1809-1883. Beiträge zur fossilen Flora Sibiriens und des Amurlandes. 1-6. St.-Petersbourg, 1878. 58 p. 15 plates. (Akademiâ nauk SSSR. Mémoires. Sér. 7, t. 25, no. 6) *Title tr.:* Contributions to the fossil flora of Siberia and the Amur region. Issued also as his, *Flora fossilis arctica*, 1878. Bd. 5, no. 2.

Contents include in pt. 2, (p. 9-26), Jurassic plants from the arctic zone of Siberia; from the Lena River region. This is a list, with discussion and descriptions, of twenty-seven fossil species, deriving largely from the west bank to the Lena at about 71°N., with some specimens from localities at about 66°15', 66°45', and 70°40'N.

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6832. HEER, OSWALD, 1809-1883. Beiträge zur fossilen Flora Spitzbergens. Gegründet auf die Sammlungen der Schwedischen Expedition vom Jahre 1872 auf 1873. Stockholm, P. A. Norstedt & Söner, 1876. 141 p. incl. illus., 32 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 14, no. 5) *Title tr.:* Contributions to the fossil flora of Spitsbergen. Based on the collections of the Swedish Expedition, 1872-73. Issued also as his, *Flora fossilis arctica*, 1877. Bd. 4, no. 1.

Contents tr.: Heer, Oswald. 1A. The Carboniferous plants of Recherche Bay.

1B. Descriptions of the (twenty-six) species.

2A. The Jurassic plants of Cape Boheman.

2B. Descriptions of the (thirty-two) species.

3. Cretaceous plants from the formation on Cape Staratschin (seventeen species).

3A. The Miocene plants of Cape Lyell, the Scott Glacier and Cape Heer.

3B. Descriptions of the (seventy-one) species.

Appendix: NORDENSKIÖLD, N. A. E. The geology of Ice Fiord and Bell Sound.

The appendix appears in this Bibliography under its author's name.

Copy seen: DLC.

6833. HEER, OSWALD, 1809-1883. Beiträge zur Miocenen Flora von Nord-Canada. Zürich, J. Wurster & Cie., 1880. 17 p. 3 plates. (His: *Flora fossilis arctica*, Bd. 6, Abt. I, no. 3) *Title tr.:* Contributions to the Miocene flora of northern Canada.

Contains introductory remarks on the additional specimens obtained from the Mackenzie River region at about 65°N. and a discussion of North American paleobotany; followed by descriptions, and discussion of the correlation, of fifteen species of fossil plants. For the earlier study on plants of this region, see the author's, Die in Nordgrönland (etc.) fossilen Pflanzen, 1868, Bd. 1 and Bd. 6, Abt. 1, no. 3.

Copy seen: DLC.

6834. HEER, OSWALD, 1809-1883. Beiträge zur Steinkohlen-Flora der arktischen Zone. Stockholm, P. A. Norstedt, 1874. 11 p. 6 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 12, no. 3) *Title tr.:* Contributions to the Carboniferous flora of the arctic region. Issued also as his, *Flora fossilis arctica*, 1875. Bd. 3, no. 1.

Contents tr.: 1. Carboniferous plants from Klaas Billen Bay, Spitsbergen. 2. Carboniferous plants from Ujaragsuk on Disko Island, Greenland. These parts comprise a list, with full descriptions, of five species collected by A. Nathorst and H. Wilander in Aug. 1870, with discussion of species found at Bear Island; also descriptions, with synonymy, of forms of one species collected by Th. M. Fries and G. Nauckhoff during the Swedish Greenland Expedition, 1870. *Copy seen:* DLC.

6835. HEER, OSWALD, 1809-1883. Contributions to the fossil flora of North Greenland, being a description of the plants collected by Mr. Edward Whymper during the summer of 1867. (Royal Society of London. Philosophical transactions, 1869, pub. 1870. v. 159, p. 445-88, 18 plates) Issued also as his, *Flora fossilis arctica*, 1871. Bd. 2, no. 4 (actually bound as no. 1).

The expedition of Edward Whymper and Robert Brown in June-Sept. 1867 was financed by the British Association and the Royal Society, with the object of collecting fossil plants from Atanikerdluk, Nugssuaq Peninsula, West Greenland. (Collections also include two Disko Island localities). Heer gives here extracts from Whymper's report, concerning the geologic and physical features of the basaltic peninsula (Atanikerdluk) where the bulk of the material was collected; indication of the fossils collected from each locality, and a list of eighty plants, with full descriptions of new (though not so designated) species. *Copy seen:* DLC.

6836. HEER, OSWALD, 1809-1883. Les dernières découvertes dans l'extrême Nord. (Bibliothèque universelle et Revue suisse, 1869. Nouvelle période, t. 34, p. 512-43) English translation published as *The last discoveries in the extreme North*, 1869, q.v.

Contains remarks on Edward Whymper's Expedition to West Greenland in 1867, and the Swedish Polar Expedition of 1868 and their contributions to knowledge of the paleobotany of Greenland, Bear Island and West Spitsbergen; also a general discussion of the ancient climates and geography which the fossils indicate. *Copy seen:* DLC.

6837. HEER, OSWALD, 1809-1883. Flora fossilis alaskana. Fossile Flora von Alaska. Stockholm, P. A. Norstedt & Söner, 1869. 41 p. illus., 10 col. plates. (Svenska vetenskapsakademien. Handlingar. Bd. 8, no. 4) *Title tr.*: Fossil flora of Alaska. Issued also as his, *Flora fossilis arctica*, 1871, Bd. 2, no. 2.

Contents tr.: General remarks on the relationship with other arctic zones and the geologic age of the flora (in German).

Furuhjelm, Hj. On the climate and vegetation of the early Russian colonies in North America (in German).

Description of the fifty-six species (in Latin) (including mention of one insect and three molluscs).

Copy seen: DLC.

6838. HEER, OSWALD, 1809-1883. Flora fossilis arctica. Die fossile Flora der Polarländer. Zürich, J. Wurster [etc.] 1868-83. 7 v. illus., plates (part col.) maps.

Basic work, consisting of twenty papers, results (mainly) of Heer's work on the principal European museum collections of paleobotanical materials from various arctic regions. Fifteen of these papers were previously published in journals of scientific societies, and are reissued here.

Contents tr.: (papers in German unless otherwise noted) Bd. 1. The fossil plants of North Greenland, Melville Island, Banks Land, the Mackenzie, Iceland and Spitsbergen. 1868.

Bd. 2, no. 1. Fossil flora of Bear Island. No. 2. Fossil flora of Alaska (in Latin). No. 3. The Miocene flora and fauna of Spitsbergen. No. 4. Contributions to the fossil flora of northern Greenland (in English). 1871.

Bd. 3, no. 1. Contributions to the Carboniferous flora of the arctic zone. No. 2. The Cretaceous flora of the arctic zone. No. 3. Additions to the Miocene flora of Greenland. No. 4. A summary of the Miocene flora of the arctic zone. 1875.

Bd. 4, no. 1. Contributions to the fossil flora of Spitsbergen (etc.). No. 2. Contributions to the Jurassic flora of eastern Siberia and the Amur region. No. 3. On the petrified plants of Ando, Norway. 1877.

Bd. 5, no. 1. The Miocene flora of Grinnell Land. No. 2. Contributions to fossil flora of Siberia and the Amur region. No. 3. The early fossil flora of Sakhalin: Miocene flora of Sakhalin. No. 4. Contributions to the Miocene flora of Sakhalin. No. 5. On fossil plants from Novaya Zemlya. 1878.

Bd. 6, Abt. 1, no. 1. Additions to the Jurassic flora of Siberia. No. 2. Additions to the fossil flora of Greenland. No. 3. Contributions to the Miocene flora of northern Canada. No. 4. SCHRÖTER, C. Research on the fossil woods of the arctic zone. 1880.

Bd. 6, Abt. 2. The fossil flora of Greenland, pt. 1. 1882.

Bd. 7. The fossil flora of Greenland, pt. 2. 1883.

Each of these papers (with the exception of Bd. 4, no. 2 & 3; Bd. 5, no. 3 & 4, and Bd. 6, Abt. 1, no. 1, which are not concerned with arctic regions) appears in this Bibliography under its author's name.

A critical analysis of this work appears in Saporta, G. de. *Caractères de l'ancienne végétation polaire*, 1868, q.v.

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6839. HEER, OSWALD, 1809-1883. La flore Miocène du Spitzberg. (Archives des sciences physiques et naturelles, 1869. Nouvelle période, t. 36, p. 289-300) **Title tr.:** The Miocene flora of Spitzbergen.

Based on a large collection of fossils collected by the Swedish Polar Expedition of 1868, especially at King's Bay and Cape Starostin. Discussion of the species of plants discovered, their associations, and their significance for placing the limits of the Miocene in Spitzbergen.

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6840. HEER, OSWALD, 1809-1883. Förutskickade anmärkningar öfver Nordgrönlands Kritflora, grundade på den svenska expeditionens upptäckter 1870. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1871, pub. 1872. Årg. 28, no. 10, p. 175-84) **Title tr.:** Preliminary notes on the Cretaceous flora of North Greenland, based upon the discoveries of the Swedish Expedition 1870.

Discussions and list of eighty-nine species from Noursoak (Nugssuaq) Peninsula, West Greenland (70°37'18"N. 52°08'44"W.).

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6841. HEER, OSWALD, 1809-1883. Fossile Flora der Bären Insel. Enthaltend die Beschreibung der von den Herrn A. E. Nordenskiöld und A. I. Malmgren im Sommer 1868 dort gefundenen Pflanzen. Stockholm, P. A. Norstedt & Söner, 1871. 51 p. 15 plates (1 fold., part col.) (Svenska vetenskapsakademien. Handlingar. Bd. 9, no. 5) **Title tr.:** Fossil flora of Bear Island. Containing descriptions of the plants found there in the summer of 1868 by A. E. Nordenskiöld and A. I. Malmgren. Issued also as his *Flora fossilis arctica*, 1871. Bd. 2, no. 1.

Based on collections made during the Swedish Polar Expedition of 1868. A list, with descriptions of nineteen species of fossil flora and a discussion of the stratigraphic relationships. In-

cludes (p. 25-31) paper (in German) by A. E. Nordenskiöld on mountain limestone formation on Bear Island and Spitzbergen.

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6842. HEER, OSWALD, 1809-1883. Die fossile Flora Grönlands. Theile 1-2. Zürich, T. Wurster & Comp., 1882-83. 1 p. l. viii, 112 p.; 2 p. l., 275 p. front., 100 plates, map. (*His:* *Flora fossilis arctica*. Bd. 6, Abt. 2, and Bd. 7) **Title tr.:** The fossil flora of Greenland, pt. 1-2.

This is the final paper in the author's series of works on the paleobotany of Greenland; it is a list of the three hundred sixteen species of fossil plants fully described previously; with the addition of full descriptions of the hundred forty-seven species, collected by K. J. V. Steenstrup, and others, 1871-80. A summary in Danish was published as Heer's *Oversigt over Grönlands fossil Flora*, 1883.

Contains a foreword which summarizes and succinctly characterizes the three Cretaceous horizons and the Tertiary forms, showing the localities for all on the Svartenhuk and Nugsuaq Peninsulas, Disko, Upernivik and Hare Islands, followed by:

Part 1, the list and descriptions of (1) the Kome horizon, and (2) the Atane horizon.

Part 2, (1) the Patoot horizon, (2) the Tertiary flora, (3) the fossil insects, (4) general summarizing remarks; also:

(5) STEENSTRUP, K. J. V. The stratigraphic relationships of the plant-bearing strata; with a map: The coal-bearing deposits of the west coast of Greenland between 69°15' and 72°30'N.

(6) LORIOL, P. de. On the fossil marine fauna of North Greenland.

These papers (5-6) appear in this Bibliography under their authors' names.

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6843. HEER, OSWALD, 1809-1883. Die in Nordgrönland, auf der Melville-Insel, im Banksland, am Mackenzie, in Island und in Spitzbergen entdeckten fossilen Pflanzen. Zürich, J. Schulthess, 1868. vii, 192 p., 50 plates, map. (*His:* *Flora fossilis arctica*. Bd. 1) **Title tr.:** The fossil plants of North Greenland, Melville Island, Banks Land, the Mackenzie, Iceland and Spitzbergen.

Drawing upon the specimens of fossil plants brought back from American

and European arctic expeditions, the author seeks to clarify the question of polar origin of plants and subsequent dissemination of species from polar areas.

Contains (in Pt. 1) a discussion of the relation of geology of the various areas to the occurrence of fossil plants; a summary of such plants in the polar region according to geologic periods; and the past and present climates of the polar regions, according to period and region.

Pt. 2, descriptions (in full) of the fossil plants, according to period: West Greenland (Nugssuaq) one hundred twenty-one plants, and four insects; Melville Island, eleven plants; Bathurst Island, one; Banks Island, six plants; Mackenzie (Fort Norman to Great Bear River) seventeen plants. Includes an index of species.

Table summarizing the Miocene flora of polar regions and showing distribution of wild and cultivated analogous plants elsewhere in the world.

Appendix: CRAMER, K. E. Fossile Hölzer der arktischen Zone (p. 167-80). This paper appears in this Bibliography under its author's name.

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6844. HEER, OSWALD, 1809-1883. Die Kreide-Flora der arktischen Zone, gegründet auf die von den schwedischen Expeditionen von 1870 und 1872 in Grönland und Spitzbergen gesammelten Pflanzen. Stockholm, P. A. Norstedt, 1874. 138 p. 37 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 12, no. 6) *Title tr.*: Cretaceous flora of the arctic regions, based on plants collected in Greenland and Spitzbergen by the Swedish expeditions of 1870 and 1872. Issued also as his *Flora fossilis arctica*, 1875, Bd. 3, no. 2.

Contains (1) discussion of fossil specimens collected in West Greenland (mainly at Kome 70°37'N. and other localities in Nugssuaq Peninsula) and Spitzbergen (in the Ice Fiord region), with remarks on the localities, lists of the species indicating local and general occurrence; (2-3) descriptions in detail of the Lower (seventy-nine species) and Upper (sixty-three species) Cretaceous plants and a few insects from beds in the Nugssuaq region; and (4) sixteen species from the Ice Fiord region (Cape Starostin).

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6845. HEER, OSWALD, 1809-1883. The last discoveries in the extreme North. (Annals and magazine of natural history, 1869. Ser. 4, v. 4, p. 81-101)

Translation of his *Les dernières découvertes dans l'extrême Nord*, 1869, q.v.

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6846. HEER, OSWALD, 1809-1883. Die Miocene Flora des Grinnell-Landes, gegründet auf die von Capitän H. W. Feilden und Dr. E. Moss in der Nähe des Kap Murchison gesammelten fossilen Pflanzen. Zürich, J. Wurster & Comp., 1878. 38 p. 10 plates (incl. maps). (*His*: Flora fossilis arctica. Bd. 5, no. 1) *Title tr.*: The Miocene flora of Grinnell Land, based on fossil plants collected by Captain H. W. Feilden and Dr. E. Moss, near Cape Murchison.

The plants were collected from layers on both sides of a coal deposit discovered by members of the British Arctic Expedition of 1875-76, four miles north of Discovery Bay. The author gives here introductory remarks on the expedition, including results of an analysis of the coal, and a list of fifty-nine recent flowering plants collected between 81°44' and 83°N.; and full descriptions of thirty fossil plant species and one fossil beetle from the Cape Murchison locality. *Copy seen*: DLC.

6847. HEER, OSWALD, 1809-1883. Die Miocene Flora und Fauna Spitzbergens. Mit einem Anhang über die diluvialen Ablagerungen Spitzbergens. Stockholm, P. A. Norstedt & Söner, 1870. 98 p. illus. 16 col. plates. (Svenska vetenskapsakademien. Handlingar. Bd. 8, no. 7) Issued also as his *Flora fossilis arctica*, 1871. Bd. 2, no. 3.

Contents tr.: 1, A. General remarks on the Miocene Flora of Spitzbergen.

1, B. Report of Prof. A. E. Norden-skiöld on the Tertiary and Post-Tertiary layers of Spitzbergen.

1, C. Distribution of Miocene plants. (table)

2. Descriptions of the Miocene plants (one hundred thirty-two species). (Descriptions of Miocene animals, one fish, eleven molluscs and one bryozoan).

3. The diluvian deposits of Spitzbergen.

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6848. HEER, OSWALD, 1809-1883. Nachträge zur fossilen Flora Grönlands. Stockholm, P. A. Norstedt, 1880.

17 p. 6 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 18, no. 2) Issued also as his, *Flora fossilis arctica*, 1880. Bd. 6, Abt. 1, no. 2.

Lists with descriptions and synonymy of nine Cretaceous plants and thirty-one Miocene plants, collected by the Swedish Expedition to Greenland, 1870. **Copy seen:** DLC.

6849. HEER, OSWALD, 1809-1883. Nachträge zur Miocenen Flora Grönlands, enthaltend die von der schwedischen Expedition im Sommer 1870 gesammelten Miocenen Pflanzen. Stockholm, P. A. Norstedt & Söner, 1874. 29 p. 5 plates, diagr. (Svenska vetenskapsakademien. Handlingar. Bd. 13, no. 2) **Title tr.:** Additions to the Miocene flora of Greenland, based on the collections of the Swedish Expedition, summer of 1870. Issued also as his, *Flora fossilis arctica*, 1875. Bd. 3, no. 3.

Contains lists, arranged by locality (near Disko), and with descriptions, of thirty-four species new to Greenland Miocene, thirty of which are new to the Arctic. **Copy seen:** DLC.

6850. HEER, OSWALD, 1809-1883. Notes on fossil plants discovered in Grinnell Land by Captain H. W. Feilden, naturalist of the English North-Polar Expedition. (Geological Society of London. Quarterly journal, Feb. 1878. v. 34, p. 66-72)

Discussion of the fossils in a lignite bed on the west shore of Robeson Channel, at about 81°45'N.

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6851. HEER, OSWALD, 1809-1883. Om de af A. E. Nordenskiöld och C. W. Blomstrand på Spetsbergen upptäckta fossila växter. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1866, pub. 1867. Årg. 23, p. 149-55) **Title tr.:** On fossil plants discovered by A. E. Nordenskiöld and C. W. Blomstrand on Spitsbergen.

Discussion and list, with localities and remarks, of sixteen species discovered on West Spitsbergen during the Swedish Expedition to Spitsbergen, 1861. **Copy seen:** DLC.

6852. HEER, OSWALD, 1809-1883. Om de Miocena växter, som Den svenska expeditionen 1870 hemfört från Grönland. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1873, pub.

1874. Årg. 30, no. 10, p. 5-12) **Title tr.:** On the Miocene plants, which were brought home from Greenland by the Swedish Expedition of 1870.

Contains short discussions and lists of fossil plants from six localities on Disko and Nugssuaq Peninsula.

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6853. HEER, OSWALD, 1809-1883. On the Carboniferous flora of Bear Island (lat. 74°30'N.). (Geological Society of London. Quarterly journal, Feb. 1872. v. 28, p. 161-69) **Copy seen:** DGS.

6854. HEER, OSWALD, 1809-1883. On the Miocene flora of North Greenland. (Royal Dublin Society. Journal, 1867. v. 5, p. 69-85)

Translation of the author's, *Ueber den versteinerten Wald von Atanekerd-luk in Nordgrönland*, 1866, q.v.

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6855. HEER, OSWALD, 1809-1883. On the Miocene flora of the polar regions. (Geological magazine, June 1868. v. 5, p. 273-80)

Translation of his *Ueber die Miocene Flora der Polarländer*, 1867, q.v.

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6856. HEER, OSWALD, 1809-1883. On the Miocene plants discovered on the Mackenzie River. (Royal Society of London. Proceedings, 1880. v. 30, p. 560-62)

Brief summary of current knowledge of the fossil flora known to occur on the Mackenzie River (twenty-three species). **Copy seen:** DLC.

6857. HEER, OSWALD, 1809-1883. Oversigt over Grönlands fossile flora. (Meddelelser om Grönland, 1883. 5. hefte, p. 79-202, illus., tables) **Title tr.:** A summary of the fossil flora of Greenland.

Contains a study of the paleobotany of West Greenland, based on the collections of Steenstrup's Expedition to Umanak Fiord, 1878-80, and other observations. Summary in French at end of volume. **Copy seen:** DLC.

6858. HEER, OSWALD, 1809-1883. Pflanzenversteinerungen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870, pub. 1874. Bd. 2, p. 512-17, plate) **Title tr.:** Fossil flora.

Discussion of the correlation with other regions of sixteen species found in northeast Greenland (Kuhn Island, Hochstetter Foreland, and Sabine Island). **Copied seen:** DLC.

6859. HEER, OSWALD, 1809-1883. Preliminary report on the fossil plants collected by Mr. Whympers in North Greenland, in 1867. (British Association for the Advancement of Science. Report, 1869, *pub.* 1870. v. 39, p. 8-10)

Brief note on material which is fully described in the author's *Contributions to the fossil flora of North Greenland*, 1870, q.v. **Copied seen:** DLC.

6860. HEER, OSWALD, 1809-1883. Die schwedischen Expeditionen zur Erforschung des hohen Nordens vom Jahr 1870 und 1872 auf 1873. Zürich, F. Schulthess, 1874. 46, [1] p. **Title tr.:** Swedish expeditions for exploration in the far North, 1870 and 1872-73.

Contains brief accounts of the work of (1) Nordenskiöld's West Greenland Expedition, July-Sept. 1870, based at Godhavn (Disko Island), and its study of the inland ice and the geology of Nugssuaq Peninsula; and (2) the Polar Expedition to Spitsbergen under Nordenskiöld, July 1872-73, its study of the geology and natural history in Dickson Bay (Ice Fiord, West Spitsbergen), on the Norwegian Islands (northwestern Spitsbergen), its wintering at Mussel Bay (Wijde Fiord), and sledge trips to Parry Islands, along the north coast of Northeast Land, returning across the inland ice to Mussel Bay. Includes also discussion (in more detail) of the paleobotanical results of these expeditions in relation to broader aspects of arctic paleobotany and paleoclimate. **Copied seen:** NNStef.

6861. HEER, OSWALD, 1809-1883. Ueber den versteinerten Wald von Atanekerdluk in Nordgrönland. (Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift, 1866. Jahrg. 11, p. 259-80) **Title tr.:** On the fossil forest of Atanekerdluk in North Greenland. Translation in English was published as his, *On the Miocene flora of North Greenland*, 1867.

The results of an examination of fossil plants, collected by several British expeditions, from the south shore of Nugssuaq Peninsula. Contains a discussion of the origin and nature of the

Atanekerdluk flora, and (in detail) of its evidence that the Miocene climate of Greenland was much warmer; a catalog of sixty-three fossil plants "hitherto discovered" in lat. 70°N. on West Greenland; and extracts from the journals of Captains E. A. Inglefield and P. H. Colomb, 1854, describing the localities of the Atanekerdluk fossils and the coal deposits on the opposite shore of the Vaigat (on Disko Island), closing with a brief quotation from Sir F. L. M'Clintock, *Voyage of the "Fox"*, 1860, concerning his coaling from the same seams on north Disko Island. **Copied seen:** DLC.

6862. HEER, OSWALD, 1809-1883. Ueber die Miocene Flora der Polarländer. (Schweizerische Naturforschende Gesellschaft. Verhandlungen, 1867. Bd. 51, p. 139-52) Translated as: *On the Miocene Flora of the polar regions*, 1868, q.v.

Contains discussion of the distribution and kinds of plants from the Mackenzie basin eastward across Greenland to Spitsbergen, with the geological climate indicated. **Copied seen:** DLC.

6863. HEER, OSWALD, 1809-1883. Ueber die von Dr. Lyall in Grönland entdeckten fossilen Pflanzen. (Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift, 1862. Jahrg. 7, p. 176-82) **Title tr.:** Fossil plants collected by Dr. Lyall in Greenland.

Based on specimens sent to the author from the Kew Museum; a list, with remarks on their world-wide distribution, of seven species (the more interesting species from among the ten collected by Dr. Lyall on Disko) and concluding remarks on their significance for the knowledge of arctic paleoclimate. **Copied seen:** DLC.

6864. HEER, OSWALD, 1809-1883. Über fossile Pflanzen von Novaja Zemlja. Stockholm, P. A. Norstedt, 1878. 6 p. plate. (Svenska vetenskapsakademien. Handlingar Bd. 15, no. 3) **Title tr.:** On fossil plants from Novaya Zemlya. Issued also as his *Flora fossilis arctica*, 1878. Bd. 5, no. 5.

Contains descriptions of four fossil species of *Cordaites* collected by the expedition of Nordenskiöld at Cape Gisinny on the western coast of Novaya Zemlya in 1875.

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6865. HEER, OSWALD, 1809-1883. Uebersicht der Miocenen Flora der arktischen Zone. Zürich, Zürcher & Furrer, 1874. 24 p. incl. tables. Issued also as his *Flora fossilis arctica*, 1875. Bd. 3, no. 4. *Title tr.*: Summary of the Miocene flora of the arctic zone.

Contains discussion and summary tables of the occurrence and distribution of three hundred fifty-three species of Miocene plants, of Greenland, West Spitsbergen, Mackenzie District, and Banks Island. *Copy seen:* DLC.

6866. HEER, OSWALD, 1809-1883. Utdrag ur ett bref af professor Oswald Heer, rörande fossila växter från nordvestra Amerika, insamlade af bergmästaren Hj. Furuhielm. Meddeladt af A. E. Nordenskiöld. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1868, Årg. 25, p. 63-68) *Title tr.*: Excerpt of a letter from Professor Oswald Heer concerning fossil plants from northwest America collected by Superintendent of Mines Hj. Furuhielm. Presented by A. E. Nordenskiöld.

List and some discussion of fossil plants collected in the Cook Inlet and Sitka regions of Alaska.

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6867. HEGEMANN, PAUL FRIEDRICH AUGUST, 1836-1913. Bemerkungen über die Windverhältnisse in der Umgebung der Bering-Strasse. (Annalen der Hydrographie und maritimen Meteorologie, März 1880. Jahrg. 8, p. 14-44, fold. table) *Title tr.*: Remarks on the wind in the region of Bering Strait.

Based on observations made by the author during the summers, 1861 and 1864-68, as pilot and later captain of German vessels. Notes on the wind along the Siberian coast from 60°N. to Bering Strait, from the Alaskan coast west to 175°W. in Chukchi Sea, and in Bering Sea, May-Oct.

Table: Percent frequency in eight points of the compass, and mean force (Beaufort scale) of the winds, number and percent direction of storms, etc.

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6868. HEGEMANN, PAUL FRIEDRICH AUGUST, 1836-1913. Das Eis und die Strömungsverhältnisse des Beringmeeres, der Beringstrasse und des nördlich davon gelegenen Eismee-

res. (Annalen der Hydrographie und maritimen Meteorologie, Okt.-Nov. 1890. Jahrg. 18, p. 401-414, 425-35, fold. chart) *Title tr.*: The ice and currents of Bering Sea, Bering Strait and the Arctic Ocean lying north of them.

Based on the author's observations in summers of 1860-61, and 1864-68, as pilot and captain of German vessels in the Bering Sea and Strait, and on published records. *Contains* (pt. 1) an account of ice encountered during the author's voyages, and (pt. 2) description of the nature of the ice, its southern limits and seasonal movements in the region.

Chart: Distribution of ice in the polar sea and Bering Sea. (Mackenzie delta to Herald Island and Bering Sea from about 56°N. through Bering Strait.

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6869. HEGEMANN, PAUL FRIEDRICH AUGUST, 1836-1913. Der Walfang im Stillen Ocean und nördlich der Bering-Strasse während der sechziger Jahre dieses Jahrhunderts. (Annalen der Hydrographie und maritimen Meteorologie, 1893. Jahrg. 21, p. 65-67) *Title tr.*: Whaling in the Pacific Ocean and north of Bering Strait during the sixties of this century.

General remarks on the Okhotsk, Bering, and Chukchi Seas as centers for bowhead whaling.

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HEGEMANN, PAUL FRIEDRICH AUGUST, 1836-1913, *see also* Koldewey, K., & others. Gemeinschaftliche Reise beiden Schiffe u. *Hansa*. 1873.

6870. HEIDE, Fr. Lentibulariaceae (*Pinguicula*) 1912. (*In*: Structure and biology of arctic flowering plants, nr. 7. *Pub.* in: Meddelelser om Grønland, 1912. 36. hefte, p. 441-81, illus.)

Discussion of the morphology and biology, the physiology and anatomy of the arctic type of the genus *Pinguicula*; bibliography, p. 444-47.

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6871. HEIDE, HAROLD E., and others. Investigations of the Kobuk River asbestos deposits Kobuk District, northwestern Alaska. Washington, 1949. 25 p. 16 plates (incl. 3 sketch maps, diagrs.) (U. S. Bureau of Mines. Report of investigations. R.I. 4414) *Other authors*: W. S. Wright and F. A. Rutledge.

Description in brief of the physical features and general geology of an area forty-five miles north of the Arctic Circle between 156°35'-158°15'W.; discussions of procedures of sampling the deposits, description of the deposits and results of tests, based on field work, 1944-46. *Copy seen:* DGS.

6872. HEIDE, HAROLD E., and F. A. RUTLEDGE. Investigation of Potato Mountain tin placer deposits, Seward Peninsula, northwestern Alaska. [Washington] 1949. 21 p. incl. tables. 7 plates (sketch maps). (U. S. Bureau of Mines. Report of investigations. 4418)

Notes on location, accessibility, physical features, climate, history and production, property and ownership, water supply, character of deposits, the Bureau of Mines investigation, and placer workings (in detail).

Copy seen: DGS; NNS Stef.

HEIDE, HAROLD E., *see also* Thorne, R. L., & others. Tungsten deposits Alaska. 1948.

6873. HEIDEMANN, OTTO, 1842-1916. Heteroptera. Papers from the Harriman Alaska Expedition. XIII. Entomological results, 7. (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 503-506) Reprinted 1904, in Ashmead, W. H., and others. Insects part I. Harriman Alaska series. v. 8, p. 139-44.

List, with synonymy and localities, of eighteen species from southern and southeastern Alaska.

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6874. HEIDEN, ROBERT. Up Lowe River, across divide, to Copper River. (In: U. S. Adjutant-General's Office. Military Information Division. Reports of explorations in the Territory of Alaska [etc.], 1898, *pub.* 1899, p. 417-20) Subreport of party of U. S. Military Exploring Expedition in Alaska no. 2, 1898.

Contains description of an exploring trip in September and October from Valdez to the Konsena River valley as part of the attempt to develop a route to the Copper River. Includes description of the terrain and estimate of the feasibility of a route to the Copper River.

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HEIDENREITH, O. N., *see* Boggild, O. B. On the bottom deposits of north polar sea. 1906.

6875. HEIDKE, P. Deutsche Beteiligung an ausländischen Expeditionen im Rahmen des Internationalen Polarjahres 1932/33. (Annalen der Hydrographie und maritimen Meteorologie, Nov./Dec. 1933. Bd. 61, p. 379-81) *Title tr.:* Germany's part in foreign expeditions of the International Polar Year, 1932-33.

Contains information on the personnel and type of work carried out by the German participants working with Russian parties on Hooker Island, Franz Josef Land and on Novaya Zemlya; those working with the Norwegian group at Tromsø, and at Julianehaab, West Greenland; and those with an Italian party. Includes note on the lack of a German party organized to operate its own station in the Second International Year program.

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6876. HEIDKE, P. Die von der deutschen Polarjahr-Kommission veranlasste Beteiligung Deutschlands am Zweiten Internationalen Polarjahr 1932/33. (Annalen der Hydrographie und maritimen Meteorologie, Nov. 1932. Bd. 60, p. 470-15) *Title tr.:* German Polar Year Commission participation in the Second International Polar Year, 1932-33.

Information on the German contribution to the preliminary planning of the international undertaking, and brief summary of work done under a restricted budget which permitted no German stations to be maintained outside of Germany.

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6877. HEIDKE, P. Das Zweite Internationale Polarjahr 1932/33. (Annalen der Hydrographie und maritimen Meteorologie, März 1932. Bd. 60, p. 81-93, fold. sketch maps) *Title tr.:* The Second International Polar Year, 1932-33.

Contains a review of early international research, the First International Polar Year, 1882-83, and the history of organization, the geophysical programs, the various stations and (with map) the position of the Russian stations.

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HEILBOM, OTTO, *see* Ekman, E. Notes on Draba. 1941.

6878. HEILIG, STERLING. Arctic color, the adventurous expeditions of

Alexander Borisoff, the painter of the far North. (McClure's magazine, Aug. 1908. v. 31, p. 411-19, 7 col. illus.)

Account of the travels of A. A. Borisov, in Novaya Zemlya and on the Russian mainland between Arkhangelsk and Yamal Peninsula, his life among the Samoyeds, and his painting; with seven colored reproductions.

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6879. HEILPRIN, ANGELO, 1853-1907. Alaska and the Klondike; a journey to the new Eldorado, with hints to the traveller. New York, D. Appleton & Co., 1899. x, 315 p. plate, facsim., maps.

The journey was made in 1898, via White Pass and over Chilkoot to Dawson.

Copy seen: DLC; NNS Stef.

6880. HEILPRIN, ANGELO, 1853-1907. The arctic problem and narrative of the Peary Relief Expedition of the Academy of Natural Sciences of Philadelphia. Philadelphia, Contemporary Pub. Co., 1893. 1 p. l., 163 p. 22 plates (part col. incl. map, facsim.)

Contains chapter on the search for the North Pole; an historical summary of polar expeditions; the Spitsbergen route to the Pole; the Peary Relief Expedition to McCormick Bay (Peary's winter quarters on northwest Greenland) in the *Kits*, June-Sept. 1891, of which the author was leader; the loss of J. T. Verhoeff near McCormick Bay, Aug. 1891; the Greenland icecap and its glaciers; Captain Richard Pike, a retrospect on the captain of the *Proteus*, lost on the Second Greely Relief Expedition in Smith Sound, July 1883, with excerpts from the ship's log.

Copy seen: DLC; NnH.

6881. HEIM, ARNOLD ALBERT, 1882. Einige Beobachtungen über Eis und Schnee auf Novaya Zemlya. (Zeitschrift für Gletscherkunde, Juli 1938. Bd. 26, p. 137-40, illus., 4 plates) *Title tr.:* Some observations on ice and snow on Novaya Zemlya.

Description of glaciers, observed during the geologic excursion of the Seventeenth International Geological Congress, 1937, with detailed description of the mounds (Schmelzkegel) occurring on some of the glacier moraines.

Copy seen: DGS.

6882. HEIM, ARNOLD ALBERT, 1882-. Nordwest-Grönlands Gneisgebirge. Berlin, Gebrüder Borntraeger, 1911.

[8] p. 6 plates. (Stille, H. ed. Geologische Charakterbilder. Heft. 6) *Title tr.:* The gneiss rocks of northwest Greenland.

Consists of six photographic reproductions, accompanied by explanatory text, illustrating: the crystalline plateau of Nugssuaq Peninsula, Umanak colony, the gneiss island of Umanak, fiord-like lake at the foot of Umanak, and the rounded crystalline rocks of Ritenbenk.

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6883. HEIM, ARNOLD ALBERT, 1882-. Über die Petrographie und Geologie der Umgebungen von Karsuausuk, Nordseite der Halbinsel Nugsuaq, W. Grönland. (Meddelelser om Grönland, 1911. Bd. 47, 173-228 [2] p. illus., plates IX-XXIV (incl. col. map) diagrs.) *Title tr.:* On the petrography and geology of the region around Kaersuausuk, northern coast of the Nugssuaq Peninsula.

Discussion (based on observations made during Ravn and Heim's Geological Journey to Disko and the Nugsuaq Peninsula, 1909) of crystalline base rocks, sedimentary rocks, basalt flows, basalt dikes, peridotite and picrite, kaersutite rocks, contact metamorphism, diluvium and recent formations.

Copy seen: DLC.

6884. HEIM, ARNOLD ALBERT, 1882-. West-Grönlands Basalt- und Sedimentgebirge. Berlin, Gebrüder Borntraeger, 1911. [8] p. 8 plates. (Stille, H., ed. Geologische Charakterbilder. Heft. 7) *Title tr.:* West Greenland basaltic and sedimentary rocks.

Eight photographic reproductions illustrating the rocks and landscape of Disko Island and Nugssuaq Peninsula, with accompanying text.

Copy seen: DGS.

6885. HEINBECKER, PETER, 1895-. Further studies on the metabolism Eskimos. (Journal of biological chemistry, Oct. 1931. v. 93, p. 327-36)

Report, based on work among the Baffin Island Eskimos at Pangnirtung, 1930. Results of experiments showing mild ketosis during fasting; showing that basal metabolism of Eskimos living on a mixed diet is similar to that of persons in temperate zones; that Eskimos are able to oxidize fats more completely than ordinary persons.

Copy seen: DLC; NNS Stef.

6886. HEINBECKER, PETER, 1895- . Ketosis during fasting in Eskimos. (Journal of biological chemistry, Dec. 1932. v. 99, p. 279-82)

Results of experiment made on Baffin Island Eskimos at Pangnirtung in 1931, showing that Eskimos subjected to a seven-day fast developed a lesser degree of ketosis than the average white person living in the temperate zone.

Copy seen: DLC; NNS Stef.

6887. HEINBECKER, PETER, 1895- . Studies in hypersensitiveness. XXXIV. The susceptibility of Eskimos to an extract from *Toxicodendron radicans*. (Journal of immunology, July, 1928. v. 15, p. 365-67)

Based on experiments made during the Putnam Baffin Island Expedition, 1927. The author found Baffin Island Eskimos not susceptible to poison ivy extract, and considered this to be due to a lack of contact rather than to a lack of any racial characteristics essential to the development of susceptibility.

Copy seen: DLC.

6888. HEINBECKER, PETER, 1895- . Studies on the metabolism of Eskimos. (Journal of biological chemistry, Dec. 1928. v. 80, p. 461-75)

Results of experiments carried out during the Putnam Baffin Island Expedition, 1927, to obtain information on carbohydrate metabolism of the Eskimos and their liability to ketosis. Contains brief account of the diet of Polar and Baffin Island Eskimos; and report of high tolerance for carbohydrate, similarity of non-protein nitrogen of Eskimo blood to that of other races, these Eskimos' remarkable power to oxidize fats, and their higher basal metabolism; with a bibliography (8 items).

Copy seen: DLC.

6889. HEINBECKER, PETER, 1895- , and EDITH I. M. IRVINE-JONES. Susceptibility of Eskimos to the common cold and a study of their natural immunity to diphtheria, scarlet fever and bacterial filtrates. (Journal of immunology. Sept. 1928. v. 15, p. 395-406)

Results of investigations made during Putnam Baffin Island Expedition, 1927. Contains brief introductory remarks on West Greenland and Polar Eskimos' susceptibilities, and description of tests given to Baffin Island Eskimos. Results show that they are very

susceptible to upper respiratory injections on contact with the outside world; that ordinary bacterial infections rarely occur; that diphtheria and scarlet fever are unknown clinically; and that Eskimos showed a high percentage of positive reactions when tested with a *Staphylococcus aureus* filtrate.

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6890. HEINBECKER, PETER, 1895- , and RUTH H. PAULI. Blood grouping of Baffin Island Eskimos. (Journal of immunology, Sept. 1928. v. 15, p. 407-409)

Results of tests on southwest, west and north coast Eskimos, made during the Putnam Baffin Island Expedition, 1927. Blood grouping of one hundred sixty-six Eskimos gave further evidence to support the view that the pure-blooded Eskimos is of group I.

Copy seen: DLC.

6891. HEINBECKER, PETER, 1895- , and RUTH H. PAULI. Blood grouping of the Polar Eskimo. (Journal of immunology, Apr. 1927, v. 13, p. 279-83)

Results of tests made during the Greenland Expedition of the American Museum of Natural History, 1926. Tests of one hundred twenty-four Eskimos of Cape York, Thule, Northumberland Island, and Karma, showed that blood of pure-blooded Eskimos is group I, that of half-breeds generally groups II-IV. Bibliography (7 items).

Copy seen: DLC.

HEINBECKER, PETER, 1895- , see also Wells, J. R., & P. Heinbecker. Respiratory flora Eskimos. 1932.

HEINRICH, CARL, 1880- , see Brooks, S. T., & others. Insects (Lepidoptera) & invertebrates. 1935.

HEINRICHS, AXEL OSSIAN ANDREAS, 1864- , see Finland. Meteorologischen keskuslaitos. État glaces et neiges Finlande 1892/93-1897/98. 1904-1909.

HEINRICHS, AXEL OSSIAN ANDREAS, 1864- , see also Finland. Meteorologischen keskuslaitos. Schnee- u. Eisverhältnisse Finland 1898/99-1908/09. 1906-25.

HEINRICI, C., see Deutsche wissenschaftliche Kommission für Meeresforschung. Forschungsfahrt Barentsmeer 1937. 1940.

6892. HEINTZ, ANATOL, 1898- . Beitrag zur Kenntnis der Devonischen Fischfauna Ost-Grönlands. Oslo, T. Dybwad, 1932. 27 p. illus. (incl. map) 6 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 42) *Title tr.*: Contribution to the Devonian fish fauna of East Greenland.

Based on collections of the Norwegian Expeditions to Northeast Greenland, 1929-30. *Copy seen:* DLC.

6893. HEINTZ, ANATOL, 1898- . Blåskjell på Spitsbergen. (Norsk geologisk tidsskrift, 1926. Bd. 9, p. 74-76) *Title tr.*: *Mytilus* from Spitsbergen.

Discussion of the finding of the mussel, *Mytilus edulis* in Red Bay, by the T. Vogt Spitsbergen Expedition, 1925.

Copy seen: DGS.

6894. HEINTZ, ANATOL, 1898- . Die Downtonischen und Devonischen Vertebraten von Spitzbergen II. Acanthaspida. Oslo, J. Dybwad, 1929. 28 p. illus. (incl. map) 24 plates, tables. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 22) *Title tr.*: The Downtonian and Devonian vertebrates of Spitsbergen II. Acanthaspida.

Descriptions of fossil fishes.

Copy seen: DLC (plate 24 missing).

6895. HEINTZ, ANATOL, 1898- . Die Downtonischen und Devonischen Vertebraten von Spitzbergen III. Acanthaspida. Nachtrag. Oslo, J. Dybwad, 1929. 20 p. illus. (incl. map) 3 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 23)

Contains supplementary material on fossil fishes of Spitsbergen, collected by the T. Vogt Expedition, 1928, to Wijde Fiord. *Copy seen:* DLC.

6896. HEINTZ ANATOL, 1898- . Die Downtonischen und Devonischen Vertebraten von Spitzbergen VI. *Lunaspis*-Arten aus dem Devon Spitzbergens. Oslo, J. Dybwad, 1937. 23 p. illus. (map, diagrs.) plate, fold. table. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 72) *Title tr.*: The Downtonian and Devonian vertebrates from Spitsbergen VI. The genus *Lunaspis* from the Devonian of Spitsbergen.

Contains report on this fossil fish genus from Wijde Fiord region, with a bibliography. *Copy seen:* DLC.

6897. HEINTZ, ANATOL, 1898- . *Holonema*-Reste aus dem Devon Spitzbergens. (Norsk geologisk tidsskrift, 1935. Bd. 15, p. 115-21, plate) *Title tr.*: Devonian *Holonema* remains from Spitsbergen. Reprinted as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 31.

Description of fragments of fossil fish from a formation in the Mimer Valley, with discussion of its taxonomic relationships. *Copy seen:* DGS.

6898. HEINTZ, ANATOL, 1898- . Oberdevonische Fischreste aus Ost-Grönland. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter, 1930. Nr. 30, p. 31-46, illus., 4 plates) *Title tr.*: Upper Devonian fishes from East Greenland. *Copy seen:* DGS.

HEINTZ, ANATOL, 1898- , *see also* Føyn, S., & A. Heintz. Downtonian & Devonian vertebrates Spitzbergen VIII. 1943.

HEINTZ, ANATOL, 1898- , *see also* Kiaer, J. A. Downtonian vertebrates Spitsbergen IV. 1932.

HEINTZ, ANATOL, 1898- , *see also* Kiaer, J. A., & A. Heintz. Downtonian and Devonian vertebrates Spitsbergen V. 1935.

6899. HEINTZE, SVEN AUGUST, 1881- . Om hydrokor spridning af vegetations-klädda tufvor. (Svensk botanisk tidskrift 1914. Bd. 8, häfte 3, p. 253-62) *Title tr.*: On water-distributed vegetation of tuft-covered places.

Contains results of the study of plants spread by the agency of water, a study carried out by the author in mountainous regions in Torne and Åsele Lappmark; with a list of plants and data on their local distribution and habitats. *Copy seen:* MH-A.

6900. HEINTZE, SVEN AUGUST, 1881- . Växtgeografiska undersökningar i Råne Socken af Norrbottens län. Uppsala & Stockholm, Almqvist & Wiksell, 1910. 63 p. Arkiv för botanik, 1909-1910, pub. 1910. Bd. 9, no. 8) *Title tr.*: Geobotanical exploration of Råne parish of Norrbotten province.

Contains a geobotanical and ecological study of the vegetation of this part of northern Sweden, carried out by the author in the summer of 1907; with data on the woody, swamp, lake and

seacoast plant associations, and a list of about two hundred fifty species with ecological and phenological notes. The distribution of *Alopecurus geniculatus*, a typical northern herbaceous species is studied in detail. **Copy seen:** MH.

6901. HEINTZLEMAN, B. FRANK, 1888- . Alaskan peat proffers profits. (Alaska life, Oct. 1939. v. 2, no. 6, p. 11)

General remarks on Alaska's peat deposits. **Copy seen:** DLC.

6902. HEINTZLEMAN, B. FRANK, 1888- . Auto ferry to Alaska. (Alaska life, Dec. 1943. v. 6, no. 12, p. 3-6, illus., map)

Notes on the coastal route by land and water, from Alaska to Seattle, especially the proposed ferry route between Prince Rupert, B. C. and Haines, Alaska. **Copy seen:** DLC.

6903. HEINTZLEMAN, B. FRANK, 1888- . For future farmers of Alaska. (Alaska life, July 1943. v. 6, no. 7, p. 12-15, illus.)

Discussion of Alaskan agricultural situation in general, and future possibilities. **Copy seen:** DLC.

6904. HEINTZLEMAN, B. FRANK, 1888- . The forests of Alaska as a basis for permanent development. (Alaska magazine, Jan. 1927. v. 1, p. 169-70, illus., map)

General discussion of the importance of forests as a natural resource. **Copy seen:** DLC.

6905. HEINTZLEMAN, B. FRANK, 1888- . Pulp-timber resources southeastern Alaska. Washington, D. C., 1928. 34 p. illus., 2 sketch maps. (U. S. Dept. of Agriculture. Miscellaneous publications. No. 41) Study of the Tongass National Forest.

Contains general descriptions of the geography, climate, geology, and communication and transportation facilities.

Timber resources: general description of the forest; volume of standing timber; species, forest types and silvicultural features; details of a sample area.

Brief notes on national forest administration, forest management policy, and general conditions applying to timber sales; water-power resources, logging methods and costs, existing forest

industries, and possibilities for pulp and paper industry. **Copy seen:** DA.

6906. HEINTZLEMAN, B. FRANK, 1888- . Sitka spruce, an Alaska industry that needs developing. (Alaska life, Oct. 1940. v. 3, no. 10, p. 11, illus.)

Brief analysis of spruce resources and possible milling outlets. **Copy seen:** DLC.

6907. HEINTZLEMAN, B. FRANK, 1888- . They're open . . . if you can cut it. (Alaska life, Oct. 1945. v. 8, no. 10, p. 44-45, 47-52, 60-61, illus.)

Information respecting the Tongass and Chugach National Forests; how land may be "patented"; factors in making a living on a forest homestead; "special use" permits as for fur farms, resorts, summer homes and townsites; and administration. **Copy seen:** DLC.

6908. HEINTZLEMAN, B. FRANK, 1888- . Woodman, where's that ax? (Alaska life, Oct. 1938. v. 1, no. 9, p. 10-11, illus.)

Discussion of Southeast Alaskan forest resources and need for development of a pulp industry. **Copy seen:** DLC.

6909. HEINTZLEMAN, B. FRANK, 1888- , and H. W. TERHUNE. A plan for the management of brown bear in relation to other resources on Admiralty Island Alaska. [Washington, U. S. Govt. Print. Off., 1934] 20 p. sketch map. (U. S. Dept. of Agriculture. Miscellaneous publications. No. 195)

Contains a description of the island, and notes on its forest management, mining, fishing industry, agriculture, etc., and a discussion (in detail) of the distribution, habits, reproduction, estimated population, and many aspects of conservation of the brown (grizzly) bears. **Copy seen:** DA.

6910. HEINZE, KURT, 1907- . Die parasitischen Würmer. (In: Peters, H. B., and others. Zoologie, Pub. in: Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1934. Bd. 6, p. 185-89, illus.) **Title tr.:** The parasitic worms. (Zoology, in German Greenland Expedition Alfred Wegener, 1929 and 1930-31)

Notes on two seal nematodes, a fox and two seal cestodes, and three (including with description, one new) seal acanthocephalans. **Copy seen:** DLC.

6911. HEISTAND, HENRY OLCOT SHELDON, 1856- . The Territory of Alaska. A brief account of its history and purchase; its inhabitants, geographical features and resources, with especial reference to the gold-fields and methods of reaching them. Comp. from official government records and the latest and most reliable sources. Kansas City, Mo., Hudson-Kimberly Pub. Co., 1898. 195 p. 32 plates, 3 fold. maps.

Includes appendices: United States and Canadian mining laws. Provision list. Distance tables. Newspapers. Post-offices. Freight and passenger rates Pacific Coast Steamship Company.

Copy seen: DLC; NNS Stef.

6912. HEIZER, ROBERT FLEMING, 1915- . Aconite arrow poison in the Old and New World. (Washington Academy of Sciences. Journal, Aug. 15, 1938. v. 28, p. 358-64, map)

Brief discussion of the use of various species of *Aconitum* plants for arrow poison by primitive peoples in the Old World and America. The suggestion is made that the practice had a distributional center in the Himalaya region extending from there northeasterly to Yezo, Sakhalin, the Kuriles and Kamchatka, and thence eastward across the Aleutian chain to Kodiak.

Copy seen: DSI-M.

6913. HEIZER, ROBERT FLEMING, 1915- . Aconite poison whaling in Asia and America, an Aleutian transfer to the New World. (U. S. Bureau of American Ethnology. Bulletin, 1943. No. 133. Anthropological papers no. 24, p. 415-68, illus. (incl. map) 7 plates.

Contains descriptions of whaling practices of (among others) the Kamchadals, Koryaks, Chukchis, Aleuts, Koniags, Eskimos, Tlingits and other Indians of the northwest coast, based on the literature (with discussion of sources) from the time of Steller. Discusses use of aconite poison by natives of the Kamchatka-Kurile area and the Aleutian-Kodiak area, and poison-lance whaling as "another . . . of [the] cultural elements and complexes which can be demonstrated to have entered the New World from Asia via the Aleutian Island chain." Appendix discusses poison harpoons and nets in modern whale fishery. Bibliography (about 140 items). *Copy seen:* DLC.

6914. HEIZER, ROBERT FLEMING, 1915- . Petroglyphs from southwestern Kodiak Island, Alaska. (American Philosophical Society. Proceedings, 1947. v. 91, p. 284-93, incl. 6 plates)

Contains a set of illustrations of the inscriptions, with a discussion of their possible significance and age.

Copy seen: DLC.

6915. HEIZER, ROBERT FLEMING, 1915- . Pottery from the southern Eskimo region. (American Philosophical Society. Proceedings, 1949. v. 93, p. 48-56, illus., incl. sketch map)

"This report is a presentation of a portion of the archaeological material collected by Dr. A. Hrdlička for the U. S. National Museum on Kodiak Island from 1931-1938." It contains analysis and methods used by the Kodiags; descriptions of fragments; and conclusions that the Kodiak pottery belongs to the later prehistoric period; that in broader relationship it can be placed with the Yukon-Kuskokwim ceramic group (in agreement with de Laguna); that nothing specific was detected by the author to support de Laguna's proposal that this pottery group was derived from the Kurile-Kamchatka region via the Aleutian Islands; bibliography (15 items).

Copy seen: DLC; NNS Stef.

HELGASON, JÓN, *see* Jónsson, A. Gronlandia, edur Graenlandz saga. 1688.

6916. HELLAND, AMUND THEODOR, 1846-1918. Geschwindigkeit der Bewegung der grönländischen Gletscher im Winter. (Deutsche geologische Gesellschaft. Zeitschrift, 1881. Bd. 33, p. 693-94) *Title tr.:* Speed of the movement of a Greenland glacier in winter.

A comparison of the author's measurements, 1875, with those of R. R. J. Hammer, 1879-80, both made on the Jacobshavn Ice Fiord.

Copy seen: DGS.

6917. HELLAND, AMUND THEODOR, 1846-1918. Om de isfyldte fjorde og de glaciale dannelser i Nordgrønland. (Archiv for matematik og naturvidenskab, 1876. Bd. 1, p. 58-125, 2 plates (1 fold.)) *Title tr.:* On the ice fiords and glacial formations in northern Greenland.

Brief report in French was published in Association française pour l'avance-

ment des sciences. Comptes rendus, 1878, pub. 1879. Séss. 7, p. 588-91.

Based on a journey from Egedesminde (68°42'9"N.) to Kangerdlugssuaq Fiord (71°15'N.) made June-Aug. 1875, including the Disko Bay region and Jakobshavn Ice Fiord.

Contains brief description of the mountains along this section of Greenland's west coast, and of the inland ice; detailed notes on glaciers and ice-filled fiords, including speed of glacier movement and formation of icebergs; on ice fields and their formations, and on glacial formations.

Copy seen: DLC.

6918. HELLAND, AMUND THEODOR, 1846-1918. Om klormængden i Nordsøen, Atlanterhavet og Davisstrædet. (Archiv for matematik og naturvidenskab, 1876. Bd. 1, p. 229-38, incl. tables) *Title tr.:* On the chlorinity of the North Sea, Atlantic Ocean and Davis Strait.

Based on titrations carried out during a voyage in Apr.-Sept. 1875, tabular data of surface temperature and chlorinity of Denmark Strait waters (5 days in May), Davis Strait (June 1-15, and a few days in Aug.-Sept.), Disko Bay (a few days in June and July) and Umanak Fiord (2 days in Aug.)

Copy seen: DLC.

6919. HELLAND, AMUND THEODOR, 1846-1918. On the ice-fjords of North Greenland, and on the formation of fjords, lakes, and cirques in Norway and Greenland. (Geological Society of London. Quarterly journal, 1877. v. 33, p. 142-76)

Description of the fiords, glaciers, and inland ice of West Greenland, between Egedesminde (68°42'9"N.) and Kangerdlugssuaq fiord (71°15'N.), based on observations made during the summer of 1875.

Copy seen: DGS.

6920. HELLAND, AMUND THEODOR, 1846-1918. Ueber die Gletscher Nordgrönlands und die Bildung der Eisberge. (Gesellschaft für Erdkunde zu Leipzig. Mittheilungen, 1876, pub. 1877. p. 25-36, illus.) *Title tr.:* On the glaciers of North Greenland and the formation of icebergs.

Observations (made during a trip along the coast of the Umanak District (68°42'-71°15'N.) in June-Aug. 1875)

on the ice-filled fiords, the glaciers (size, movement of the ice) and the kinds of ice found in West Greenland waters.

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6921. HELLAND-HANSEN, BJØRN, 1877- . Fridtjof Nansen og hans videnskabelige innsats; minnetale holdt; ekstraordinært fellesmøte den 10de oktober 1930. (Norske videnskapsakademi. Årbok, 1930, pub. 1931. p. 65-84)

Title tr.: Fridtjof Nansen and his contribution to science; memorial lecture at a special meeting [of the Norwegian Academy of Sciences] Oct. 10, 1930.

Discussion of Nansen's contribution to science in the fields of zoology, arctic exploration and oceanography.

Copy seen: DLC.

6922. HELLAND-HANSEN, BJØRN, 1877- , and EINAR KOEFOED. Hydrographie. (In: Orléans, L. P. R., Duc d'. Croisière océanographique accomplie à bord de la *Belgica* dans la Mer du Grönland 1905, pub. 1907. p. 273-343, 14 fold. plates (charts, diagrs.) 3 sketch charts, tables) *Title tr.:* Hydrography. (Oceanographic cruise on board the *Belgica* in Greenland Sea, 1905).

Contains full discussion, tabular data, horizontal (0, 50, 100, 200, 300, 400 m.) and vertical diagrams of the oceanographic elements of the East Greenland Polar Current, the Atlantic water, the surface water of the central part, the intermediate layer of water with positive temperature, and the bottom water of Greenland Sea; with a bathymetric chart.

Copy seen: DSI-M.

6923. HELLAND-HANSEN, BJØRN, 1877- , and F. NANSEN. The Norwegian Sea, its physical oceanography based upon the Norwegian researches 1900-1904. Kristiania, Mallingske Bogtrykkeri, 1909. xx, 390, xii p. (incl. 39 p. of tables) 25 (i.e. 28) plates (2 fold. charts, fold. diagrs.) (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 2, no. 2)

Results of physical investigations in the sea between Norway, Iceland, Jan Mayen and Bear Island, made, chiefly with the *Michael Sars*, Norwegian Fisheries research steamer, under the direction of F. Nansen in 1900, and

B. Helland-Hansen, 1901-1904. The cruises of 1902-1904 were in waters south of Greenland Sea.

Contents: 1. History of exploration of the Norwegian Sea.

2. Cruises of 1900-04.

3. Instruments and methods.

4. The basin of the Norwegian Sea; area and bathymetric features (with charts).

5. General description of the water-masses.

6. Apparent irregularities in horizontal distribution of temperature, salinity, and density.

7. The Norwegian Atlantic Current.

8. The Norwegian coast water.

9. Polar currents: Bear Island Arctic Current. Spitsbergen Polar Current. East Greenland Polar Current. East Iceland Arctic Current. Denmark Strait Polar Current. The ice.

10. Cyclonic systems of the southern and northern Norwegian Sea. (Currents)

11. Bottom-water.

Bibliography, p. xiii-xx.

Reviewed by W. Brennecke in *Annalen der Hydrographie u. maritimen Meteorologie*, 1910, Jahrg. 38, p. 353-69. *Copy seen:* DF.

6924. HELLAND-HANSEN, BJØRN, 1877- , and F. NANSEN. The sea west of Spitsbergen; the oceanographic observations of the Isachsen Spitsbergen Expedition in 1910. Christiania, J. Dybwad, 1912. 2 p. l., 89 p. incl. tables, illus., 6 plates (col., fold. diagrs.) (Norske videnskapsakademi, Oslo. Skrifter. I. Matematisk-naturvidenskabelig klasse, 1912. No. 12) Issued also as: *Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques*, 1916. T. 1, no. 8)

Contains discussion of variations in temperature and salinity, dynamics, and branches of the Spitsbergen Atlantic Current; description of the bottom water west of Spitsbergen, the characteristics of Ice Fiord, and a bibliography (12 items).

Tables, etc. 1. Vertical series of temperature, salinity and density for forty-one stations in the area 74° to 81°N. (west of Spitsbergen).

2. Surface observations, June 25-Sept. 9, 1910. Diagrams of surface and vertical observations.

Copy seen: DLC.

6925. HELLAND-HANSEN, BJØRN, 1877- , and F. NANSEN. Temperatur-Schwankungen des Nordatlantischen Ozeans und in der Atmosphäre; einleitende Studien über die Ursachen der klimatologischen Schwankungen. Kristiania, J. Dybwad, 1917. 341, [1] p. incl. tables, diagrs. 48 plates. (Norske videnskapsakademi, Oslo. Skrifter. I. Matematisk-naturvidenskabelig klasse, 1916. No. 9) *Title tr.:* Temperature variations in the North Atlantic Ocean and the atmosphere; introductory studies on the cause of climatological variations. English translation was published with title as above, q.v.

The principal meteorological and oceanographic factors which contribute to climatic (mostly temperature) fluctuations from year to year and over long periods are analyzed. A detailed statistical analysis of the temperature variability (of both the air and sea temperatures) over the North Atlantic are based on the records of many stations during the period 1875-1910.

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6926. HELLAND-HANSEN, BJØRN, 1877- , and F. NANSEN. Temperature variations in the North Atlantic Ocean and in the atmosphere, introductory studies on the cause of climatological variations. Washington, Smithsonian Institution, 1920. viii, 408 p. tables, charts, diagrs. (Smithsonian miscellaneous collections, v. 70, no. 4) English translation of the authors' *Temperatur-Schwankungen*, 1917, q.v., with additions by the authors and by Dr. C. G. Abbot. *Copy seen:* DLC.

HELLAND-HANSEN, BJØRN, 1877- , *see also* Hjort, J., & others. *Oversigt Norsk fiskeri, 1900-1908, 1909.*

HELLAND-HANSEN, BJØRN, 1877- , *see also* International Society for the Exploration of the Arctic Regions by Means of Aircraft. *Verhandlungen I. Versammlung*, 1926. 1927.

6927. HELLBOM, PEHR JOHAN, 1827-1903. Lichenologiska exkursioner i Lule Lappmark sommaren 1871. (Botaniska notiser, no. 4, p. 97-110) *Title tr.:* Lichenological excursions to Lule Lappmark in the summer of 1871.

Contains a general account of the author's excursions to various districts of Lule Lappmark, with many refer-

ences to lichens observed and notes on their habitat and ecology.

Copy seen: MH-A.

6928. HELLÉN, WOLTER. Anmärkningsvärda skalbaggar från Finland. (Societas pro fauna et flora fennica. Meddelanden. 1920-1921, pub. 1921. Häfte 47, p. 32-35) *Title tr.:* Noteworthy beetles from Finland.

Contains notes on nine species of beetles (Coleoptera), including *Bembidion foveum* from the arctic regions of European and Asiatic Russia, *Leptera monticola* from southern Varanger, and *Chlaenius costulatus*, native to Finnish Lapland.

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6929. HELLÉN, WOLTER. Beiträge zur Kenntnis der Gattung *Chilosia* Meig. (Societas pro fauna et flora fennica. Meddelanden, 1913-14, pub. 1914. Häfte 40, p. 56-64) *Title tr.:* Contributions to the knowledge of the genus *Chilosia* Meig.

Contains a critical revision of twenty-seven species of flies of the genus *Chilosia*, occurring in Finland; includes at least ten native to arctic regions, of which four species and one variety are described as new. *Copy seen:* MH-A.

6930. HELLÉN, WOLTER. Beiträge zur Kenntnis der Ichneumoniden Finlands. I. Subfamilie Pimplinae; II Subfam. Ophioninae und Anomaloninae. Helsingfors. 1915-26. 89 p. maps + 27 p. (Societas pro fauna et flora fennica. Acta 1914-15, pub. 1915. v. 40, no. 6; (II) *ibid.* 1924-27, pub. 1927. v. 56, no. 6) *Title tr.:* Contributions to the knowledge of Ichneumonidea of Finland. I. Subfamily Pimplinae; II. Subfam. Ophioninae and Anomaloninae.

Contains a critical revision of ichneumon flies (Ichneumonidea) of Finland, including one hundred fifty-six species (twenty-two new) in pt. I (subfam. Pimplinae), and thirty-eight species (four new) in pt. II (subfam. Ophioninae and Anomaloninae), with keys to tribes, genera and species, synonymy, critical notes and data on distribution; includes many native to Finnish Lapland and Kola Peninsula.

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6931. HELLÉN, WOLTER. För Finland nya eller sällsynta Coleoptera. (Societas pro fauna et flora fennica. Memoranda. 1928-29, pub. 1929. v. 5,

p. 95-97) *Title tr.:* Coleoptera, new or rare in Finland.

Contains critical notes on eight species of beetles (Coleoptera) including *Ochthebius lenensis*, known from the Lena River region and found near Kaschkarantsa, Finland, and *Phytonomus variabilis*, native to Petsamo, Finland and Malangen, Norway (69°35'N.)

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6932. HELLÉN, WOLTER. Fyra för landet nya skalbaggar. (Societas pro fauna et flora fennica. Meddelanden, 1919-1920, pub. 1921. Häfte 46, p. 56-58) *Title tr.:* Four species of beetles new to Finland.

Contains some notes and data on distribution of four species of beetles new to Finland, including *Typhae stercorea* reported previously from the Trömsö region of Norway.

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6933. HELLÉN, WOLTER. Die in Finnland gefundenen Arten der Gattung *Campoplex* Grav. (Hym. Ichn.). (Societas pro fauna et flora fennica. Acta, 1937. v. 60, p. 599-605) *Title tr.:* Species of the genus *Campoplex* Grav. (Hym. Ichn.) found in Finland.

Contains a list of thirty-five species of ichneumon flies of the genus *Campoplex*, native to Finland, including *C. delusor*, *C. juvenilis*, *C. sobolicida* and *C. remotus*, occurring in Finnish Lapland, with detailed data on distribution.

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6934. HELLÉN, WOLTER. Über die finnischen Arten der Gattung *Chilosia* Meig. (Societas pro fauna et flora fennica. Meddelanden 1911-1912, pub. 1912. Häfte 38, p. 149-64) *Title tr.:* On Finnish species of the genus *Chilosia* Meig.

Contains a critical revision of forty-one species of dipterous genus *Chilosia* of Finland, including at least eight native to Finnish and Russian Lapland, with keys and detailed data on distribution of these insects in Finland.

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6935. HELLÉN, WOLTER. Über finländische Goldwespen. (Societas pro fauna et flora fennica. Meddelanden, 1918-1919, pub. 1920. Häfte 45, p. 203-213) *Title tr.:* On Finnish gold-wasps.

Contains a key to four families of gold-wasps (cuckoo-flies) and an enumeration of twenty-six species, includ-

ing *Chrysids hirsuta* from Kuusamo and *C. ignita* from Lapponia kemensis, northern Finland. **Copy seen:** MH-A.

6936. HELLEN, WOLTER. Verzeichnis der Callimomiden (Hym. Chalc.) Finnlands nach Bestimmungen von E. Hoffmeyer. (Societas pro fauna et flora fennica. Memoranda, 1932-33, pub. 1934. v. 9, p. 184-91) **Title tr.:** List of Callimomidae of Finland determined by E. Hoffmeyer.

Contains a systematic list of fifty-six species of parasitic ichneumon flies, some living on gall-producing insects and some phytophagous (on seeds of conifers). Includes forty species new to the fauna of Finland and native to Finnish and Russian Lapland and the Kuusamo region.

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6937. HELLEN, WOLTER. Zur Kenntnis der Amphipoden-Fauna Finnlands. (Societas pro fauna et flora fennica. Meddelanden, 1918-19, pub. 1919. Häfte 45, p. 131-38) **Title tr.:** To the knowledge of the Amphipoda fauna of Finland.

Contains a critical revision of twelve species of salt- and fresh-water crustaceans of the order Amphipoda, including *Pontoporeia affinis* from Kuusamo and *Gummarus pulex* var. *laeustris* from Finnish and Russian Lapland (Port Vladimir).

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6938. HELLEN, WOLTER. Zur Kenntnis der Bethyriden und Dryiniden Finnlands. (Societas pro fauna et flora fennica. Meddelanden, 1918-19, pub. 1920. Häfte 45, p. 277-90) **Title tr.:** To the knowledge of Bethyridae and Dryinidae of Finland.

Contains critical revision of hymenopterous insects of Finland of the fam. Bethyridae and Dryinidae, with keys to the families, genera and species, descriptions and critical notes; includes some native to Kuusamo and Finnish and Russian Lapland.

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6939. HELLEN, WOLTER. Zur Kenntnis der Braconiden (Hym.) Finnlands. I. Subfam. Braconinae (part.), Rhoga-dinae und Spathionae. Helsingfors, 1927. 59 p. map. (Societas pro fauna et flora fennica. Acta, 1924-27, pub. 1927. v. 56, no. 12)

Contains a critical revision of about ninety species of parasitic ichneumon flies of fam. Braconidae, with keys to tribes, families, genera and species, description of numerous new species and data on general and Scandinavian distribution; bibliography (30 items).

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6940. HELLEN, WOLTER. Zur Kenntnis der Evaniiden Finnlands. (Societas pro fauna et flora fennica. Meddelanden 1914-15, pub. 1915. Häfte 41, p. 67-69) **Title tr.:** To the knowledge of the Evanidae of Finland.

Contains some critical notes and data on distribution of nine species of Evanidae, a family of parasitic hymenopters, including *Gasteruption affector*, from Kuusamo.

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6941. HELLEN, WOLTER. Zur Kenntnis der Lepidopterenfauna von Lapponia Inarensis. (Societas pro fauna et flora fennica. Memoranda, 1930-31, pub. 1931. v. 7, p. 166-72) **Title tr.:** To the knowledge of Lepidoptera fauna of Anari Lapland.

Contains a general account of the trip of the author and Dr. R. Frey, in 1930, to Inari Lapland and a list of sixty-four lepidopters with some data on habitat.

Copy seen: MH-A.

6942. HELLEN, WOLTER, and K. E. EHRSTRÖM. Zur Kenntnis der Isopoden Fauna Finnlands. (Societas pro fauna et flora fennica. Meddelanden, 1918-19, pub. 1919. Häfte 45, p. 124-31) **Title tr.:** To the knowledge of Isopoda fauna of Finland.

Contains critical notes on seventeen species of crustaceans of the order Isopoda, occurring in Finland, including *Porcellio scaber*, native to the Munio region and Kola Peninsula; bibliography (30 items).

Copy seen: MH-A.

6943. HELLENTAL, JOHN ALBERTUS, 1874-1944. The Alaskan melodrama. New York, Liveright Pub. Co., [c1936] xiii p., 1 l., 312 p. front., 11 plates, fold. map, facsim.

The story in popular language, of the economic development of Alaska from the arrival of the white man to the present day, with strong criticism of government interference.

Copy seen: DLC; NNSStef.

6944. HELLENTAL, JOHN ALBERTUS, 1874-1944. Why not go modern on

conservation. (Alaska life, Jan. 1941. v. 4, no. 1, p. 3, 13, 18-19, 27-28, 30, port.)

Discussion of regulations, taxes, and conservation measures which the author feels have stifled Alaskan mining, fisheries, and lumber industries, in order to prevent Alaskan competition with industry in the United States, and to maintain Alaska as a "wilderness playground" for American sportsmen.

Copy seen: DLC.

HELLENTHAL, THEODORE A., *see* *Engineering & mining journal*. Alaska Juneau enterprise. 1932.

6945. HELLER, CAMIL. Die Crustaceen, Pycnogoniden und Tunicaten der K. K. Österr.-Ungar. Nordpol-Expedition. (Österreichisch-Ungarische Arktische Expedition, 1872-1874. Resultate. *Pub.* in: Akademie der Wissenschaften, Wien. Mathematisch-naturwissenschaftliche Classe. Denkschriften, 1878. Bd. 35, p. 25-46, 5 plates) *Title tr.*: The Crustacea, Pycnogonida, and Tunicata of the Austro-Hungarian North Polar Expedition. (Results of the Austro-Hungarian Arctic Expedition, 1872-1874)

Contains an annotated list, with synonyms, references and localities, of twenty-four crustacean species, including descriptions of five new species (one shrimp, one Cumacea, two amphipods, and one isopod); three, (including with descriptions, two new) species of sea spiders; and five species of tunicates, all from Barents Sea. Preliminary report was published in the same academy's Sitzungsberichte, 1875. Bd. 71, Abt. 1, p. 609-612.

Copy seen: DGS.

6946. HELLER, EDMUND, 1875-. Mammals of the 1908 Alexander Alaska Expedition, with descriptions of the localities visited and notes on the flora of the Prince William Sound region. (California. University. Publications in zoology, 1910. v. 5, p. 321-60, plate, map)

The expedition, led, organized and financed by Miss Annie M. Alexander, explored and collected in the Prince William Sound region. The author outlines its itinerary, describes the localities, gives notes on eighteen species of mammals (with description of a new mouse); partial list of plants

(fifty-two species) chiefly shrubs and trees, and a discussion of plant distribution, and zones. **Copy seen:** DLC.

HELLER, EDMUND, 1875-, *see also* Grinnell, J., & others. Birds & mammals, 1907 Alexander exped. 1909.

6947. HELLSING, GUSTAF. *Cassandra calyculata* funnen i Sverige. (Botaniska notiser, 1900, p. 55-63) *Title tr.*: *Cassandra calyculata* found in Sweden.

Contains a report of the discovery (in the Torne River region of Swedish Lapland) of a dwarf cassandra, *Cassandra calyculata*, an ericaceous shrub, previously known only from Finnish and Russian Lapland. Includes also a study of vegetation usually associated with *Cassandra*. **Copy seen:** MH-A.

6948. HELMERICKS, CONSTANCE, 1918-. We live in Alaska. Boston, Little, Brown & Co., 1944. 6 p. l., [3]-266 p. 8 plates, ports., map on lining-papers. Reprinted by Garden City Pub. Co., 1945.

The story of the Helmericks' first canoe journey down the Tanana and Yukon Rivers, 1941, with description of the country-side, notes on food and living off the country, and on the Eskimos of the lower Kuskokwim valley.

Copy seen: DLC; NNSf.

6949. HELMERICKS, CONSTANCE, 1918-, and HARMON HELMERICKS. Our Alaskan winter. Boston, Little, Brown & Co., 1949. 271 p. illus. col. front. plates, diags., maps on end papers.

"Third and last book in a series describing a trip of two winters and three summers [1944-46] of exploring by homemade canoe above the Arctic Circle of North America."—Foreword.

This book tells the story of the authors' winter sojourn among the North Alaska Eskimos of the Colville River region, their hunting, dog-sledging, etc., and trip to Aklavik on the return home. Includes plans and diagrams of dwellings used by the authors.

Copy seen: DLC.

6950. HELMERICKS, CONSTANCE, 1918-, and HARMON HELMERICKS. Our summer with the Eskimos. Boston, Little, Brown, 1948. xiv, 239 p. illus., 17 plates (incl. col. front.), map on lining-papers.

Story of the authors' canoe trip down the Colville River, their life among the North Alaska Eskimos of Beechey Point, and a trip along the arctic coast to Point Barrow, 1945. Includes descriptions of the country traversed, the Eskimo customs and psychology, and food along the route and among the natives.

Copy seen: DLC; NNS Stef.

6951. HELMERICKS, CONSTANCE, 1918-, and **HARMON HELMERICKS.** We live in the Arctic. Boston, Little, Brown, 1947. xvi, 329 p. illus., 15 plates, map on lining-papers.

Story of the authors' year, 1944-45, spent boating down the Yukon and up the Koyukuk and Alatna Rivers, living off the land, in cabins of their own making; with chapters on fall, winter and spring hunting.

Copy seen: DLC; NNS Stef.

HELMERICKS, HARMON, 1917-, see Helmericks, C., & H. Helmericks. Our Alaskan winter. 1949.

HELMERICKS, HARMON, 1917-, see also Helmericks, C., & H. Helmericks. Our summer with Eskimos, 1948.

HELMERICKS, HARMON, 1917-, see also Helmericks, C., & H. Helmericks. We live in the Arctic. 1947.

6952. HELMERSEN, GREGOR von, 1803-1885. Geognostische Beobachtungen. (In: Middendorff, A. T. v. and others. Reise in den äussersten Norden u. Osten Sibiriens 1843-44, pub. 1847-75. Bd. 1, Theil 1 pub. 1847. p. 195-222) *Title tr.:* Geognostic observations.

Geognostic description of the Yenisey River area from Turukhansk to Dudinka, the area northeastward of Dudinka, and the Taymyr River and Lake country as far as the arctic coast, based upon Middendorff's journals of his Siberian expedition. Includes notes on character and origin of landforms and of their rock types, mention of coal and salt deposits, and lists of fossils found in the Turukhansk area, along the Olenek River, and elsewhere.

Copy seen: DSI-M.

HELMERSEN, GREGOR von, 1803-1885, see also Baer, K. E. v., & G. v. Helmersen. Nachrichten Ost-Sibirien. 1845.

HELMERSEN, GREGOR von, 1803-1885, see also Baer, K. E. v., & G. v.

Helmersen. Neueste Nachrichten nördlichste Sibirien. 1841.

6953. HELMS, OTTO, 1866- . Die Avifauna Ostgrönlands. (International Ornithological Congress. 5th, Berlin, 1910. Verhandlungen, 1911. p. 273-82) *Title tr.:* The birds of East Greenland.

Discussion of the bird fauna of Angmagssalik, in reference to that of the west coast of Greenland, Iceland, and nearby areas of East Greenland; and migration of the "visitors".

Copy seen: DSI-M.

6954. HELMS, OTTO, 1866- . En bemærkning om rosenmaagen, (*Rhodostetia rosea* (Macg.) i Grønland). (Dansk ornithologisk forening. Tidsskrift, Mar. 1933. Aarg. 27, p. 18-19) *Title tr.:* A remark on Ross' gull, *Rhodostetia rosea* (Macg.) in Greenland.

Concerns an old record for Egedesminde District. *Copy seen:* DSI-M.

6955. HELMS, OTTO, 1866- . The birds of Angmagssalik, by O. Helms; based upon the collections and notes of Johan Petersen. (Meddelelser om Grønland, 1926. Bd. 58, p. 205-274, 1 illus., map)

Description of natural conditions in the Angmagssalik District favorable for birds. Discussion of birds that (1) breed, (2) migrate through, and (3) are found only occasionally in the area. Detailed listing of observations of species from all three categories.

Copy seen: DLC.

6956. HELMS, OTTO, 1866- . Fortsatte ornithologiske iagttagelser (1893) fra Arsukfjorden, Sydgrønland. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1894, pub. 1895. Aarg. 46, p. 213-36) *Title tr.:* Further ornithological report (1893) from Arsuk Fjord, South Greenland.

Results of the author's daily observations in the summer of 1893 in the fjord region generally; an annotated list of forty-four species of birds, six more than appeared during 1890-91.

Copy seen: DSI-M.

6957. HELMS, OTTO, 1866- . Fortsatte ornithologiske meddelelser (1903) fra Grønland. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1904. Aarg. 56, p. 79-135) *Title tr.:* Further ornithological communication (1903) from Greenland.

Contains a review of the literature on birds of East Greenland, an annotated list of sixty-one species and subspecies from the Angmagssalik region, based on Johan Petersen collections and those of the Carlsberg Fund Expedition to East Greenland, 1898-1900; discussion of the species which breed there, or are only visitors; and an annotated list of twenty species from West Greenland. *Copy seen:* DSI-M.

6958. HELMS, OTTO, 1866-. Grønlands ornithologi fra de ældste tider til omkring aar 1900. (Dansk ornithologisk forening. Tidsskrift, Apr. 1934. Aarg. 28, p. 1-14) *Title tr.:* Greenland's ornithology from early times to about 1900.

Brief history of ornithological research from about 1721 to 1900.

Copy seen: DSI-M.

6959. HELMS, OTTO, 1866-. Nye arter for Østgrønland. (Dansk ornithologisk forening. Tidsskrift, Okt. 1910. Aarg. 4, p. 130-181) *Title tr.:* New species for East Greenland.

Contains four new East Greenland records, 1908-09, based on specimens sent from Angmagssalik, by Johan Petersen, the colonial director of the trading post. *Copy seen:* DSI-M.

6960. HELMS, OTTO, 1866-. Ornithologiske iagttagelser fra Angmagssalik, Øst-Grønland, af J. Petersen. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1898. Aarg. 50, p. 169-75) *Title tr.:* Ornithological report from Angmagssalik, East Greenland, by J. Petersen.

Based on records communicated to the author by the colonial officer for this East Greenland district. An annotated list of twenty-seven species of birds, including one new to Greenland, one new to East Greenland, and several new breeding records for East Greenland. *Copy seen:* DSI-M.

6961. HELMS, OTTO, 1866-. Ornithologiske iagttagelser fra Arsukfjorden, Sydgrønland. (Danske naturhistoriske forening. Videnskabelige meddelelser, 1892, pub. 1893. Aarg. 44, p. 221-52) *Title tr.:* Ornithological report from Arsuk Fiord, South Greenland.

Based on the author's observations in Ivigtut, Apr. 1890 to June 1891, and annotated list of forty-four species of birds. *Copy seen:* DSI-M.

6962. HELMS, OTTO, 1866-. Ornithologiske meddelelser fra Grønland. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1899. Aarg. 51, p. 231-38) *Title tr.:* Ornithological communications from Greenland.

Annotated list of six species of birds from East Greenland, and ten species from southwest Greenland, all records sent by colonial officials.

Copy seen: DSI-M.

6963. HELMS, OTTO, 1866-. Über Grönlands Vogelwelt. (Journal für Ornithologie, 1902. Jahrg. 50, p. 91-101) *Title tr.:* On the birds of Greenland.

An address before the German Ornithological Society (Deutsche ornithologische Gesellschaft) Oct. 17, 1901, remarks on the physical features of Greenland, the bird-life (habitats, breeding habits, etc.) of West Greenland, with brief mention of East Greenland. *Copy seen:* DSI-M.

6964. HELMS, OTTO, 1866-, and E. LEHN SCHIÖLER. Om nogle for Grønlands Øst- og Vestkyst nye og sjældne arter. (Dansk ornithologisk forening. Tidsskrift, Sept. 1917. Aarg. 11, p. 172-75) *Title tr.:* On new and rare species from the east and west coasts of Greenland.

Eight records of birds from the east coast, and ten from the west coast.

Copy seen: DSI-M.

HELMS, OTTO, 1866-, *see also* Petersen, J. C. A. Ornithologiske iagttagelser, 1902-08. 1908.

HEMING, ARTHUR, *see* Willson, B. Great Company. 1899.

6964A. HEMSTOCK, R. A. Permafrost at Norman Wells, N.W.T. [n.p.] 1949. 2 p. l., [iv], 100 numb. l. incl. 46 p. of illus. (diags. (11 fold.) photos.) 4 diags. numb. separately, map. Type-script.

Research report on a project sponsored by the Arctic Institute of North America "to prepare and furnish a study of all available data on permafrost in the Norman Wells area and on related soil and snow mechanics." Results of observations, mainly during 1943-48, of the effects of permafrost and other subarctic phenomena on communications, road building, and construction in general. Author gives in chap. 1 (l. 1-15) a general description

of climate, records of precipitation and snowfall, notes on geology, break-up of ice, vegetation, and habitation; chap. 2 (l. 16-47) definitions and discussion in detail of soil temperatures, active layer, soil characteristics of the immediate region which create a special problem for foundations, permafrost distribution and thickness; chap. 3 (l. 48-67) description of building difficulties, pile driving, pile heaving, materials and pile anchorage; chap. 4 (l. 68-74), service installations, sewage and water supply. Chap. 5 (l. 75-93) is a discussion of factors affecting road, bridge, and airport construction: frost heaving, admixtures, drainage, icings, snow. Chap. 6 (l. 94-97) summarizes briefly communications and transportation methods and difficulties in the northern region. Bibliography (21 items).

Illus., etc.: mounted photographs of installations, permafrost phenomena, terrain, etc.

Copy seen: CaMAI.

HENDEE, R. W., *see* Bailey, A. M., & R. W. Hendee. Notes on mammals northwest Alaska. 1926.

6965. HENDEL, FRIEDRICH. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 28. Diptera Brachycera 2. Fam. Cordyluridae und Dryomyzidae. [Stockholm, 1930] 12 p. (Arkiv för zoologi. Bd. 21A, no. 18) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22. 28. Diptera Brachycera 2. Fam. Cordyluridae and Dryomyzidae.

Annotated list, with localities, of nineteen (including with descriptions, nine new) species of flies.

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6966. HENDEL, FRIEDRICH. Entomologische Ergebnisse der schwedischen Kamtschatka-Expedition 1920-1922. 34. Diptera Brachycera. 3. Fam. Sciomyzidae, Helomyzidae, Coelopidae, Trypetidae, Ortalididae, Ephydridae. [Stockholm, 1931] 12 p. illus., (Arkiv för zoologie. Bd. 23A, no. 7) *Title tr.*: Entomological results of the Swedish Kamchatka Expedition, 1920-22. 34. Diptera Brachycera. 3. (etc.)

Annotated list, with localities, of twenty-two (including with descriptions, five new) species of flies.

Copy seen: DSI-M.

6967. HENDERSON, ALICE PALMER. The rainbow's end: Alaska. Chicago & New York, H. S. Stone & Co., 1898. 3 p. l., 296 p. front., 21 plates, ports.

Account of a trip via Dutch Harbor and St. Michael, up the Yukon River to Dawson.

Copy seen: DLC; NNSStef.

6968. HENDERSON, EDWARD P. The Aggie Creek meteorite from Seward Peninsula, Alaska. (American mineralogist, Mar.-Apr. 1949. v. 34, p. 229-32)

Petrographic description, including chemical analysis of a specimen from an iron meteorite discovered close to bedrock about twelve feet deep, at 64°53'N. 163°10'W. *Copy seen*: DGS.

6969. HENDERSON, EDWARD P. Mineralogical explorations in southeastern Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1936, pub. 1937. p. 11-14, illus.)

Sketch of Prince of Wales Island, and note on new localities there of epidote.

Copy seen: DLC.

HENDERSON, FRANK DILLON, 1871- . *see* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Canada's Arctic Islands. Expeds. 1922-25. 1927.

6970. HENDERSON, JAMES FENWICK, 1905- . Beaulieu River area, Northwest Territories. Preliminary report. Ottawa, King's Printer, 1939. 2 p. l., 16 p. fold. map (separate) (Canada. Geological Survey. Paper 39-1)

Contains a description of the geological formations and gold mines, with mention of a niccolite vein, and notes on prospecting for area on north shore of Great Slave Lake, 62°-63°N. 112°-114°W.

Copy seen: DGS.

6971. HENDERSON, JAMES FENWICK, 1905- . Extent of Proterozoic granitic intrusions in the western part of the Canadian Shield. (Royal Society of Canada. Proceedings and transactions, May 1948. Ser. 3, v. 42, sect. 4, p. 41-54, map, table)

Brief description of the geology and a correlation table for four divisions of the region from Great Slave Lake to Great Bear Lake, Mackenzie District; showing that granite batholiths are Proterozoic rather than Archaean in age. Bibliography (29 items).

Copy seen: DGS; DLC.

6972. HENDERSON, JAMES FENWICK, 1905- . MacKay Lake area, Northwest Territories. Ottawa, King's Printer, 1941. 2 p. l., 6 p. fold. map. (Canada. Geological Survey. Paper 41-1)

Contains descriptions of the geological formations, and prospecting notes, with a blueprint map of the geology of the area north of the east arm of Great Slave Lake, 63°-64°N. 110°-112°W.

Copy seen: DGS.

6973. HENDERSON, JAMES FENWICK, 1905- . Nonacho Lake area, Northwest Territories. [Ottawa] 1937. 1 p. l., 22 l., fold. map. (Canada. Geological Survey. Paper 37-2)

Contains a preliminary mimeographed report on the geological formations and possibilities of mineral deposits, with notes on routes from Lake Athabaska and from Fitzgerald, and on the physical geography. Includes preliminary geological map, 61°-62°30' N. 108°30'-111°W., on Taltson River.

Copy seen: DGS.

6974. HENDERSON, JAMES FENWICK, 1905- . Pitchblende occurrences between Beaverlodge and Hottah Lakes, Northwest Territories. Ottawa, 1949. p. l., 17 p. fold. map. (Canada. Geological Survey. Paper 49-16) Mimeographed.

Results of field-work, 1945, in an area of 10 square miles, 64°40'-65°N. 118°15'-30'W. on the southeast corner of Great Bear Lake. Contains description of the Snare group of late Precambrian rocks, the gabbros, diabases and gabbros, the Paleozoic conglomerates and sandstones of the area, and descriptions of thirty-eight individual pitchblende occurrences.

Maps: Uranium occurrences (a) Hottah Lake, scale 1 in.:500 ft., and (b) Beaverlodge Lake, scale 1 in.:1,000 ft.

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6975. HENDERSON, JAMES FENWICK, 1905- . The relation of gold deposits to structure, Yellowknife, N.W.T. (Precambrian, July 1948. v. 21, no. 7, p. 6-11, illus., 2 sketch maps)

"Prepared . . . from a paper presented at a meeting of the Prospectors and Developers Association in Toronto, Mar. 9, 1948." Discussion of the gold and faults of the area. For another treatment of this subject, see Jolliffe,

A. W., *Yellowknife faults and ore bodies*, 1945.

Copy seen: DGS.

6976. HENDERSON, JAMES FENWICK, 1905- . Structural control of ore deposits in the Canadian Shield between Great Slave and Great Bear Lakes, Northwest Territories. (*In:* Canadian Institute of Mining and Metallurgy. Geology Division, Structural geology of Canadian ore deposits, 1948. p. 238-43, sketch map)

Brief statement of the general geology and relation of ore (chiefly gold) deposits to structure; with a bibliography (9 items).

Copy seen: DGS.

6977. HENDERSON, JAMES FENWICK, 1905- . Structure and metamorphism of early Pre-Cambrian rocks between Gordon and Great Slave Lakes, North West Territories. (American journal of science, July 1943. v. 241, p. 430-446, fold. map)

Discussion of the Gordon Lake and Beaulieu River map areas.

Copy seen: DLC.

6978. HENDERSON, JAMES FENWICK, 1905- , and A. W. JOLLIFFE. Relation of gold deposits to structure, Yellowknife and Gordon Lake areas, Northwest Territories. (Canadian Institute of Mining and Metallurgy. Transactions, 1939. v. 42, p. 314-36, illus., map)

Describes the general geology, the gold deposits and their relation to rock structure, description of mining properties. A. W. Jolliffe subsequently revised his opinion on the ore bodies in relation to faults in his *Yellowknife faults and ore bodies*, 1945, q.v.

Copy seen: DGS.

6979. HENDERSON, JAMES FENWICK, 1905- , and N. H. C. FRASER. Camlaren mine. (Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 269-72, diagrs.)

Contains brief notes on geology, structure and mineralization of the claims in this area near Gordon Lake, about forty-five miles northeast of Yellowknife, Great Slave Lake.

Copy seen: DGS.

HENDERSON, JAMES FENWICK, 1905- , see also Wilson, J. T. Some aspects geophysics Canada 2. 1949.

6980. HENDERSON, LESTER DALE, 1886- . Alaska; its scenic features,

geography, history and government. Juneau, Daily Alaska Empire Print [1939] 144 p. illus. (incl. ports., maps) plates, diagrs. First published in 1928 (112 p.); revised and enlarged 1936 (143 p.); third revision, 7th printing, 1939.

A former commissioner of education for Alaska here gives information on physical features, transportation, industries, cities, inhabitants, schools, government, history, newspapers, banks, etc.

Copy seen: DLC (all editions); NNSStef (1929, 1936).

6981. HENDERSON, YANDELL, 1873- , and J. M. TURNER. Carbon monoxide as a hazard of polar exploration. (Nature, Jan. 20, 1940. v. 145, p. 92-95)

Discussion of the Nansen cooker, and the conditions for production of the gas, with remarks on Andrée's death and experiences of other explorers; and with a bibliography.

Copy seen: DLC.

HENDRIK, HANS, *see* HANS HENDRIK, 1834-1889.

6982. HENIE, HANS, 1887- . Astronomical observations on Hopen. Oslo, J. Dybwad, 1948. 33 p. illus., tables, sketch map. (Norsk Polarinstitut. Skrifter. Nr. 90)

Results of the work of an astronomic and topographic survey party, sent July 1947, to Hope Island (76°30'05.25" N. 25°04'04.5" E.), by the Norges Svalbard- og Ishavs-undersøkelser (Norwegian Svalbard and Arctic Ocean Survey). Contains determinations of geographic longitude and latitude, azimuth, and magnetic declination.

Copy seen: CaMAI.

HENIE, HANS, 1887- , *see also* Norway. Norges Svalbard- og Ishavs-undersøkelser. Survey of Bjørnøya 1922-1931. 1944.

HENKE, K. G., *see* Seeböhm, H. Notes on birds Archangel. 1882.

6983. HENKING, HERMANN. Norwegens Walfang. (Deutscher Seefischer-Verein. Mitteilungen, Dec. 1899. Bd. 15, p. 306-340, illus.) **Title tr.:** Norway's whale fishery.

Contains descriptions of the most important northern whale species (six-

teen); and of the capture and utilization of whales, with statistics on late 19th century catches, and an annotated bibliography (29 items).

Copy seen: DF.

6984. HENN, ARTHUR WILBUR, 1890- . Some fishes of Southampton Island. Pittsburgh, 1932. 1 p. l., 3 p. (Sutton, G. M., and others. The exploration of Southampton Island, Hudson Bay. *Pub. as:* Pittsburgh. Carnegie Institute. Museum. Memoirs. v. 12, pt. 2, sec. 3)

Full notes on a series of adult Greenland char, and brief notes on two marine species.

Copy seen: DSI-M.

6985. HENN, C. B. Witterungsbeobachtungen, angestellt in Okak auf der Küste Labrador. (Akademiä nauk SSSR. Bulletin scientifique, 1839. T. 5, p. 142-53) **Title tr.:** Weather observations made in Okak on the coast of Labrador.

A textual account of the meteorological observations and general aspects of the climate of Okak during the period Aug. 1837-Aug. 1838.

Copy seen: DSI-M.

6986. HENNIG, RICHARD, 1874- . Die Erwärmung der Arktis. (Wetter und Klima, Jan.-Feb. 1949. v. 2, p. 49-51) **Title tr.:** The warming of the Arctic.

Copy seen: DWB.

6987. HENNIG, RICHARD, 1874- . Eine Kenntnis der Bering-Strasse im 16. Jahrhundert? (Petermanns geographische Mitteilungen, Apr. 1935. Bd. 81, p. 122-25) **Title tr.:** Was there knowledge of Bering Straits in the 16th century?

Discussion of 16th century maps.

Copy seen: DLC.

6988. HENNING, ANDERS, 1864- . Bryozöer från Westgrönland, samlade af dr. Ohlin under "the Peary Auxiliary Expedition" år 1894. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1896. Arg. 53, 351-65) **Title tr.:** Bryozoans from West Greenland, collected by Dr. Ohlin during the Peary Auxiliary Expedition, 1894.

List, with synonymy, localities and remarks, of twenty-seven species collected in Smith Sound, Inglefield Gulf, Murchison Sound and near Northumberland Island.

Copy seen: DLC.

6989. HENNING, ROBERT A. Saint Lazaria. (Alaska sportsman, Apr. 1937. v. 3, no. 4, p. 8, 20)

Description in general terms of this island lying fifteen miles off Sitka, Southeast Alaska, now a federal bird sanctuary. *Copy seen: DLC.*

HENNINGS, MALTE, *see* Hamburg. Deutsche Seewarte. Wetterbeobachtungen 1932/33 Fischdampfern. 1939.

HENNINGSEN, E. JUEL, *see* Lynge, E., & V. Sindbjerg-Hansen. Beretning fra laegeekspedition, 1947-48. 1949.

6990. HENRIKSEN, KAI LUDVIG, 1888-. En bemaerkning om Tertiaeret ved Kap Dalton i Øst-Grønland. (Meddelelser om Grønland, 1917, pub. 1918. Bd. 56, p. 203-206, illus.) *Title tr.:* A remark on the Tertiary near Cape Dalton.

Discussion of a fossil wing of a weevil collected during the Danish Expedition to East Greenland, 1900 (part of the Carlsberg Fund Expedition to East Greenland, 1898-1900).

Copy seen: DLC.

6991. HENRIKSEN, KAI LUDVIG, 1888-. Insects collected on the Fifth Thule expedition. [Copenhagen, Gyl-dendal, 1937] 34 p. 1 fold. map. (Thule Expedition. 5th, 1921-24. Report. v. 2, no. 8)

List with descriptions, localities and discussion of sixty-nine species mostly from the Barren Grounds, west coast of Hudson Bay, south part of Melville Peninsula and adjacent islands, and a very few from distant parts of Canadian Arctic.

Copy seen: DLC.

6992. HENRIKSEN, KAI LUDVIG, 1888-. A revised index of the insects of Grønland, containing a supplement to the insect list in Kai L. Henriksen & Will. Lundbeck: Grønlands landarthropoder (Medd. om Grønland. Bd. 22, 1917). København, C. A. Reitzel, 1939. 111, [1] p. (Meddelelser om Grønland. Bd. 119, nr. 10)

List, with East and West Greenland distribution, of five hundred ninety-five species, and seven additional new records, received as this paper went to press. Includes a full roster of expeditions responsible for the many additional records made since 1917, and a bibliography (78 items).

Indexes: Order through subgenera, and species, including synonyms.

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6993. HENRIKSEN, KAI LUDVIG, 1888-, and WILL. LUNDBECK. Landarthropoder (Insecta et Arachnida). (*In:* Conspectus fauna groenlandicae, 2. del, nr. 2. Pub. in: Meddelelser om Grønland, 1918. 22. hefte, p. 481-821) Based on published records from Fabricius, 1780 to 1916.

List with references, synonymy and localities, of forty-one species of beetles, sixty-six species of hymenopterous insects, one hundred eighty-eight dipterous species, six species of siphonapterous insects, forty-six species of butterflies and moths, two species of Neuroptera, five species of Trichoptera, forty-nine orthopteran species, seven anopluran species, thirteen hemipterous species, fourteen species of Colembola and one hundred twenty-four arachnid species; with a bibliography (82 items).

Copy seen: DLC.

HENRIKSEN, KAI LUDVIG, 1888-, *see also* Braendegaard, J. R. J., & others. Insects & arachnids. (E. Greenland 1932). 1935.

6994. HENRY, ALFRED J. C. E. P. Brooks and W. Quennel on the influence of arctic ice on the subsequent distribution of pressure over the eastern North Atlantic and western Europe. (U. S. Weather Bureau. Monthly weather review, Mar. 1929. v. 57, p. 99-102, illus., tables)

Discussion of Brooks and Quennel's *Influence of arctic ice on . . . pressure [etc.]*, 1928, q.v. The extent of ice in the arctic seas is correlated with subsequent pressure variations over various sections of western and northern Europe.

Copy seen: DLC.

6995. HENRY, ALFRED J. Meteorological observations at Eagle, Alaska. (U. S. Weather Bureau. Monthly weather review, Sept. 1900. v. 28, p. 390-91, illus.)

A monthly résumé of the meteorological observations made at Eagle, Alaska, during the period Sept. 1899-Aug. 1900.

Copy seen: DLC.

6996. HENRY, ALFRED J. Weather abnormalities in United States; Third note. (U. S. Weather Bureau. Monthly

weather review, May 1929. v. 57, p. 201-204, illus.)

Pressure variations over the northern hemisphere and particularly in the arctic regions are associated with abnormal weather phenomena in the United States. *Copy seen:* DLC.

6997. HENRY, ALFRED J. Whence come cold waves? (U. S. Weather Bureau. Monthly weather review, April 1928. v. 56, p. 142-44, tables)

The interchange of warm and cold air masses between the polar and temperate regions, based on a study of meteorological observations taken during the First International Polar Year 1881-1882. *Copy seen:* DLC.

6998. HENRY, DORA PRIAULX, 1904- Notes on some pedunculate barnacles from the North Pacific. (U. S. National Museum. Proceedings, 1940, *pub.* 1942. v. 88, p. 225-36, illus.)

Descriptions with some discussion of five species, based on specimens in several collections taken from various localities in the North Pacific, including Alaskan waters. *Copy seen:* DLC.

6999. HENRY, T. J. G. Meteorological observations at Winter Harbour, Melville Island. Ottawa, 1947. 23 leaves, process print. (Canada. Dept. of Transport. Meteorological Division. Cir. 1275, TEC. 16, 20 Jun. 47)

Summary of observations made on southern coast of Melville Island (74°46'N. 110°45'W.) by Sir W. E. Parry, Sept. 1819-Oct. 1820, and by the C.G.S. *Arctic*, Sept. 1908-July 1909. Discussion of duration of daylight, pressure distribution, winds, temperatures, precipitation and thunderstorms, cloud, fog; with tabular data appended. *Copy seen:* CaMAI.

7000. HENRY, T. J. G., and G. R. ARMSTRONG. Aerological data for northern Canada. Upper wind frequencies. Average upper-air temperature, pressure and humidity data. Surface climatic data for selected stations. Normal isobaric charts. Toronto, Head Office of Dept. of Transport, Meteorological Division of Canada. 1949. 4, 271 p. maps, tables, diagrs.

The average monthly values of upper air pressure, temperature and humidity and percentage frequency of upper winds (seasonal) by direction at standard levels or standard pressure

are determined by the available observational materials, largely within the period Mar. 1942-June 1948. The instruments, methods in conducting the aerological observations, and the procedures in compiling the data are discussed. Normal temperature and dynamic heights for standard pressure charts are drawn for typical seasonal months. Climatological data for each aerological station appears in a separate section.

Reviewed as a "major contribution to the climatology of the Arctic", in *Arctic*, Apr. 1950. v. 3, no. 1, p. 66-67.

Copy seen: CaMAI; DWB.

7001. HENRY, VICTOR, 1850-1907. Grammaire comparée de trois langues hyperboréennes: Grönlandais, Tchiglerk, Aléoute. (International Congress of Americanists. 3d, Brussels, 1879. Compte rendu, *pub.* Brussels, [1879] 2 v., p. 405-509) *Title tr.:* Comparative grammar of three northern languages: Greenlandic, Tchiglit, and Aleut.

Contains a detailed comparative study of the structure and vocabularies of Greenland and Mackenzie Eskimos and Aleuts, in regard to phonetics, morphology, syntax, lexicology, and vocabulary. Includes parallel vocabularies of about 250 words in each language, and conclusions as to the fundamental structural similarity of the three languages in spite of word differences of the Aleut. *Copy seen:* DLC.

HENSCHEN, FOLKE, 1881-, see Lundqvist, M. Norrland. 1942.

7002. HENSHAW, FRED FORBES, 1884-1933, and others. Surface water supply of Seward Peninsula, Alaska, by F. F. Henshaw and G. L. Parker, with a sketch of the geography and geology, by Philip S. Smith, and a description of methods of placer mining, by Alfred H. Brooks. Washington, U. S. Govt. Print. Off., 1913. 317 p. illus., 17 plates, fold. maps, diagrs. (U. S. Geological Survey. Water-supply paper 314)

Results of stream-flow measurements, 1906-10.

Contents include: Smith, P. S. Topography, p. 13-15.

Henshaw, F. F., and G. L. Parker. Climate, p. 15-32.

Smith, P. S. Descriptive geology, p. 32-38, (and) Gold placers, p. 38-51.

Henshaw, F. F., and G. L. Parker. Discharge of streams; detailed descriptions and measurements, p. 51-249.

Henshaw, F. F. Water power, p. 249-55, (and) Ditches, p. 255-63.

Parker, G. L. Seepage losses, p. 263-69.

Brooks, A. H. Placer mining, p. 269-303. Index, p. 305-317.

Includes data for the drainage basins of the Fish, Pargon (Parantulik), Nikluk, Solomon, Eldorado, Flambeau, Nome, Snake, Penny, Cripple, Sinuk, Cobblestone, Grand Central, Kruzgamepa, Kuzitrin, American, Serpentine, Goodhope, Inmachuk, and Kiwalik Rivers, and Imuruk basin.

Copy seen: DGS.

7003. HENSHAW, FRED FORBES, 1884-1933, and C. C. COVERT. Water-supply investigations in Alaska, 1906-1907, Nome and Kougarok regions, Seward Peninsula; Fairbanks district, Yukon-Tanana region. Washington, U. S. Govt. Print. Off., 1908. 156, v p. 12 plates (incl. fold. maps), tables, diagra. (U. S. Geological Survey. Water-supply paper 218) Issued also as House doc. no. 915, 60th Cong., 1st sess.

Contains records of 53 stations in the Nome region, 36 in the Kougarok, and 45 in the Fairbanks region, giving gage height and discharge data with discussion of conditions affecting the flow of the streams, including Nome, Grand Central, Kruzgamepa, Sinuk, Cripple, Penny, Snake, Flambeau, Eldorado, Solomon, Kougarok, Noxapaga, Serpentine, American, Little China and Chatanika Rivers and their creeks, Salmon Lake, and Imuruk basin.

Copy seen: DGS.

HENSHAW, FRED FORBES, 1884-1933, *see also* Hoyt, J. C., & F. F. Henshaw. Water supply of Nome region, 1906, 1907.

7004. HENSHAW, HENRY WETHERBEE, 1850-1930. On a new gull from Alaska. (Auk, July 1884. v. 1, p. 250-52)

Full description of *Larus nelsoni*, from St. Michael, with discussion.

Copy seen: DSI-M.

HENSHAW, HENRY WETHERBEE, 1850-1930, *see also* Nelson, E. W., & others. Report upon natural history collections Alaska 1877-81. 1887.

7005. HENTSCHEL, ERNST, 1876-. Die Kiesel- und Hornschwämme des Nördlichen Eismeers. (In: Fauna arctica, 1929. Bd. 5, p. 857-1042, 3 plates, tables) *Title tr.*: The siliceous and horny sponges of the Arctic Ocean.

Contains (1) a list, with descriptions and localities of one hundred two (including eighteen new) species from the German Expedition to the Arctic Ocean, 1898, the Olga Expedition, 1898, and museum collections from other arctic expeditions.

(2) A systematic list of three hundred twenty-three arctic species, derived from a study of the literature.

(3) A biographical study, including vertical distribution, circumpolarity, factors in distribution, and bipolarity. Bibliography (65 items) and an index.

Copy seen: DA.

7006. HENTSCHEL, ERNST, 1876-. Die Spongien des Eisfjords. Stockholm, Almqvist & Wiksell, 1916. 18 p. illus. tables, map. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2, [Heft] 3. Pub. as: Svenska vetenskapsakademien. Handlingar. Bd. 54, no. 3) *Title tr.*: Sponges from Ice Fiord.

List, with descriptions and localities, of sixteen (including three new) species, with notes on their general distribution.

Copy seen: DLC.

HENTSCHEL, ERNST, 1876-, *see also* Böhnecke, G., & others. Über d. hydrographischen (etc.) Verhältnisse Island u. Grönland. 1930.

HEPTNER, V. G., *see* GEPTNER, VLADIMIR GEORGIEVICH, 1901-.

HERBERG-JÜRGENSEN, P. A., *see* Koch, L. Note to maps Melville Bay (2 Thule exped.) 1927.

7007. HERBERT, AGNES. Two Dianas in Alaska. London, J. Lane; New York, J. Lane Co., 1909 [1908] xii p., 1 l., 316 p. front. (port.) 28 plates.

Story, by a popular writer of travel books, of hunting big game on Kodiak Island and the Alaska Peninsula.

Copy seen: DLC; NNStef.

7008. HERBERT, WILLIAM HENRY, 1884-1933. Magnetic secular change tables for British Columbia and Yukon Territory. (Pacific Science Congress. 5th, 1933. Proceedings, 1934. v. 3, p. 1697-1701)

Contains tables including data for Whitehorse, Selkirk, and Dawson City, Yukon Territory, 1800-1930.

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7009. HERDEMERTEN, KURT. Das Haus der Weststation. (Deutsche Grönland-Expedition Alfred Wegener, 1929 and 1930-1931. Wissenschaftliche Ergebnisse, 1933. Bd. 1, p. 60-63, illus.) *Title tr.:* The house of the West Station. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931)

Contains detailed description (with plans) of the prefabricated house which was erected on the ice 950 meters above sea level northeast of Kamarujuk on the west coast of Greenland, and a table summarizing the temperature data for the rooms of the house.

Copy seen: DLC.

HERDEMERTEN, KURT, *see also* Wegener, E., *ed.* Alfred Wegeners letzte Grönlandfahrt. 1932.

7010. HERDER, FERDINAND GOTTFRIED THEOBALD MAXIMILIAN von, 1828-1896. Die in St. Petersburg ad plantas Raddeanas monopetalas. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten, 1878. T. 53, pt. 1, no. 1, p. 1-30; (II) 1881. T. 56, pt. 1, no. 1, p. 141-87) *Title tr.:* Additions and corrections to "Plantae Raddeanae Monopetalae."

Contains extensive critical notes on thirty-two species included in the original paper: Herder, F. G. T. M., *Plantae Raddeanae Monopetalae*, 1864-1887, q.v.

Copy seen: MH-A.

7011. HERDER, FERDINAND GOTTFRIED THEOBALD MAXIMILIAN von, 1828-1896. Addenda et emendanda befindlichen Herbarien und Botanischen Museen. (Botanisches Centralblatt, 1893. Bd. 55, no. 9, p. 257-69; no. 10, p. 289-98) *Title tr.:* Herbaria and Botanical Museums of St. Petersburg.

Contains an enumeration of the collections in the herbaria of the Medical Academy, the Botanical Museum of the Academy of Sciences and the St. Petersburg Botanical Garden, containing specimens collected in the Arctic by many botanists and explorers.

Copy seen: MH-A.

7012. HERDER, FERDINAND GOTTFRIED THEOBALD MAXIMILIAN von, 1828-1896. *Plantae Raddeanae*

Apetalae I. (Leningrad. Glavnyi botanicheskii sad. Trudy, 1889. T. 10, vyp. 2, p. 581-627; (II) 1890. T. 11, vyp. 2, p. 183-272; (III) 1892. T. 11, vyp. 2, p. 339-68; (IV) 1892. T. 11, vyp. 2, p. 393-470; (V) 1892. T. 12, vyp. 1, p. 31-132) *Title tr.:* *Apetalous plants collected by Radde.*

Contents tr.: I. Cheropodeae and Amarantaceae collected by G. Radde and others in eastern Siberia.

II. Polygoneae.

III. Santalaceae, Thymeleaceae, Elaeagneae, Aristolochiaceae, Empetreae, Euphorbiaceae, Chloranthaceae and Cupuliferae.

IV. Salicineae.

V. Cannabineae, Urticaceae, Ulmaceae, Juglandaceae, Betulaceae, Myricaceae, Coniferae, and Gnetaeae.

Consists of extensive critical notes on two hundred forty-two species from eastern Asia, continuing Herder's *Plantae Raddeanae Monopetalae*, 1864-87, q.v. Includes some arctic species.

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7013. HERDER, FERDINAND GOTTFRIED THEOBALD MAXIMILIAN von, 1828-1896. *Plantae Raddeanae Monopetalae*. Die Monopetalen Ostsibiriens, des Amurlandes, Kamtschatka's und des Russischen Nordamerika's nach dem im Herbarium des Kaiserlichen botanischen Gartens befindlichen von G. Radde und vielen anderen gesammelten Pflanzen. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', 1864. T. 37, pt. 1, no. 1, p. 190-235. plates 1-3; 1865. T. 38, pt. 1, no. 2, p. 369-421; 1867. T. 40, pt. 1, no. 1, p. 201-241; no. 2, p. 406-447; 1868. T. 41, pt. 2, no. 3, p. 1-53; 1870. T. 43, pt. 1, no. 1, p. 81-111, no. 2, p. 174-217; 1883. T. 53, pt. 1, no. 2, p. 367-415; 1884. T. 58, pt. 2, no. 3, p. 38-111; 1884. T. 59, pt. 1, no. 2, p. 231-45; 1885. T. 61, pt. 1, no. 1, p. 119-66. Leningrad. Glavnyi botanicheskii sad. Trudy, 1887. v. 1, vyp. 1, p. 1-82)

Title tr.: *Plantae Raddeanae Monopetalae*. Monopetalous plants of eastern Siberia, Amur region, Kamchatka Peninsula and Russian North America, collected by G. Radde and many others, deposited in the herbarium of the Imperial Botanical Garden and worked out by Ferdinand von Herder. Reprinted as v. 3 (T. 37-43 of Bülleten') and part of v. 4 of Regel, E. A., and

F. Herder, *Reise in den Süden von Ost-sibirien*, etc., 1861-66, q.v.

Contains description and determination of collections from eastern Siberia and adjoining regions, made by G. Radde and many other explorers, with extensive critical notes, literature citations and data on distribution.

This work was continued as the author's *Plantae Raddeanae Apetalae*, 1889-92, q.v. For critical notes see the author's *Addenda et emendanda*, etc., 1878-81, q.v. For further details of the publication of these papers see Leningrad. Glavnyi botanicheskii sad. Trudy, 1887. T. 10, p. 69-82.

Copy seen: MH-A.

HERDER, FERDINAND GOTTFRIED THEOBALD MAXIMILIAN von, 1828-1896, see also Regel, E. A., & F. G. T. M. Herder. Reisen in d. Süden v. Ost-sibirien 1855-59 Radde. 1861-86.

7014. HERGESELL, HUGO, 1859- . ed. Das deutsche wissenschaftliche Observatorium in Spitzbergen. Beobachtungen und Ergebnisse. Strassburg, K. J. Trübner, 1914. 3 p. l., 65 p. illus. 8 plates, fold. map. (Wissenschaftliche Gesellschaft in Strassburg. Schriften. Heft 21) Title tr.: The German scientific observatory in Spitsbergen. Observations and results.

Work in aerology, meteorology, seismology and geomagnetism was carried out, July 1911-July 1912, at a station in Advent Bay. In June 1912 another station was erected at Ebeltoft Harbor, Cross Bay, for geophysical research.

Contents tr.: Hergesell, H. The German scientific station in Spitsbergen.

REMPP, G., and A. WAGNER. The station in Advent Bay 1911/12.

WEGENER, K. The observatory in Cross Bay 1912/13.

WEGENER, K. Aurora in Spitsbergen according to photogrammetric measurements 1912/13.

Each of the last three papers appears in this Bibliography under its author's name.

Copy seen: MH.

7015. HERGESELL, HUGO, 1859- . Die Fahrten des "Fönix". (In: Miethe, A., and H. Hergesell, eds. Mit Zeppelin nach Spitzbergen, 1911. p. 227-82, illus.) Title tr.: The cruise of the Fönix.

Narrative of the voyage and work of this wooden ship which accompanied

the main expedition ship Mainz, during the German Arctic Zeppelin Expedition, 1910. Describes the Fönix's exploration of embayments of the west coast of West Spitsbergen, the ship's run into the pack ice on the north coast. Includes notes on ice conditions and discussion of the expedition's aerological and meteorological work which was based on the Fönix.

Copy seen: DLC.

7016. HERGESELL, HUGO, 1859- . Die wissenschaftlichen Observatorien auf Teneriffa und in Spitzbergen. (Meteorologische Zeitschrift, Dec. 1911. Bd. 28, p. 566-68) Title tr.: The scientific observatories at Tenerife and on Spitsbergen.

Copy seen: DA.

HERGESELL, HUGO, 1859- , see also Miethe, A., & H. Hergesell. Mit Zeppelin nach Spitzbergen. 1911.

HERING, MARTIN, 1893- , see Sjostedt, Y., & others. Entomologische Ergebnisse Kamtschatka-Exped. 37. Abschluss. 1935.

7017. HERITSCH, FRANZ, 1882- . Eine Caninia aus dem Karbon des De Geer-Berges in Eisfjord-gebiet auf Spitzbergen. Oslo, J. Dybwad, 1929. 21 p. 7 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 24) Title tr.: A Caninia [fossil coral] from the Carboniferous of De Geer Mountain in the Ice Fiord region of Spitsbergen.

Copy seen: DGS.

7018. HERITSCH, FRANZ, 1882- . Die Korallen des Jungpaläozoikums von Spitzbergen. [Stockholm, Almqvist & Wiksell, 1939.] 138 p. 21 plates. (Arkiv för Zoologi. Bd. 31A, no. 16) Title tr.: Corals from the Upper Paleozoic of Spitsbergen.

Based for the most part, on material from the Oslo and Stockholm museums, collected by many expeditions, 1864-1924, from more than twenty localities in West Spitsbergen. Contains full descriptions and notes on forty-nine (including eleven new) species of fossil corals; and an extensive bibliography.

Copy seen: DSI-M.

HERLING, E. K., see Komlev, L. V., & E. K. Herling. On age of Khibiny Tundras. 1940.

7019. HERMELIN, NILS STELLAN, 1892- . Sweden endorses Canadian ice-

breaking practice. (Canadian transportation, Mar. 1949. p. 155-56, illus.)

Reviews principles of design of icebreakers, noting especially the recently built *Abegweit*. **Copy seen:** DLC.

7020. HERRE, ALBERT W. C. T. A list of lichens from southeastern Alaska. (Washington (State). University. Puget Sound Biological Station. Publications, 1919. v. 2, p. 279-85)

List, with localities, of eighty-six species, twenty of which are new to Alaska. **Copy seen:** DA.

HERRICK, NIGEL, *see* Twomey, A. C., & N. Herrick. Needle to the North. 1942.

HERRING, G., *see* Rasmussen, K. J. V. People of the polar North. 1908.

7021. HERRINGTON, EILEEN. Alaska sled dog. (Alaska life, Jan. 1943. v. 6, no. 1, p. 54, 58, illus.)

General discussion of the rôle, feeding, driving, care, and personality of sledge dogs. **Copy seen:** DLC.

7022. HERRINGTON, EILEEN. A new industry for Alaska. (Alaska life, May 1943. v. 6, no. 5, p. 7-11, illus.)

Discussion of the uses, sources, potential development of peat and importance in Alaska; also need for its standardization. **Copy seen:** DLC.

HERRINGTON, WILLIAM CHARLES, 1903- , *see* Thompson, W. F., & W. C. Herrington. Life history of Pacific halibut, (1) marking. 1930.

7023. HERRMANN, ERNST. Professor Dr. Leonid Breitfuss zu seinem 50 jährigen Polarforschungs-Jubiläum (1898-1948) und seinem 85. Geburtstag (1864-1949). Biographie mit Portrait und Verzeichnis der Schriften. Holzminden, Hüpke & Sohn, 1949. 37 p. incl. port. Distributed by the Archiv für Polarforschung, Kiel. **Title tr.:** Professor Dr. Leonid Breitfuss on his 50th jubilee in arctic research (1898-1948) and his 85th birthday (1864-1949). Biography with a portrait and guide to his writings.

Résumé of arctic activity and research accomplished by the Russian-German scientist and scholar, and a complete bibliography of his works, 1896-1949.

Copy seen: CaMAI; DLC.

7024. HERRMANN, JULIUS. Die Fahrt nach dem Ob und dem Jenissei im

Jahre 1905. (Zur Nordostdurchfahrt). (Annalen der Hydrographie und maritimen Meteorologie, Mai 1906. Jahrg. 34, p. 193-219, plate, 3 maps (1 fold.) fold. diagr.) **Title tr.:** The voyage to the Ob' and Yenisey, 1905. (On the Northeast Passage).

Based on reports and meteorologic journals of captains of eight steamers which were part of the fleet of vessels sent by the Russian government on a voyage to carry provisions and to transport railway materials to the Ob' and Yenisey Rivers, Aug.-Sept. 1905.

Contains a day-by-day account of the fleet's progress; notes on the route, the ice encountered, and the currents. Includes sailing directions for Catherine Harbor (Alexandrovsk, Kola Inlet), the course from Vardö to Yugor Strait, navigation and anchorages in the strait, the course from Yugor Strait to the Yenisey, the mouths of the Ob' and the Yenisey. **Copy seen:** DLC.

7025. HERRMANN, JULIUS. Die russischen hydrographischen Forschungen im Nördlichen Eismeeer im Jahre 1902. Nach dem Bericht des Kapt. A. Warnek. (Annalen der Hydrographie und maritimen Meteorologie. 1903. Jahrg. 31, p. 492-96) **Title tr.:** The Russian hydrographic investigations in the Arctic Ocean, 1902. From the report of Capt. A. Warnek.

Brief summary of information in a Russian publication, issued in St. Petersburg, 1903, by the Imperial Hydrographic Department; *Kratkii ocherk rabot Gidrograficheskoi ekspeditsii Severnago Ledovitago okeana v 1902 godu*.

The report covers the work of two vessels, the *Pakhtusov* and one other, which surveyed coastlines, and made soundings in the White and Kara Seas, July-Sept. 1902. Notes the survey and tides of Orlov Banks (about 67°11'N. 42°49'E.) in the White Sea, the depth and salinity along the southwest coast of Kara Sea, the depth of Kara Strait, and survey activities at the mouth of the Pechora, in Kara Strait and along the coast between Yugor Strait and Kara River. Includes a few geodetic and magnetic observations.

Copy seen: DLC.

7026. HERRMANN, OTTO. Beschreibung von grönländischen Gesteinen. (Nytt magasin for naturvidenskapene,

1884 pub. 1883. Bd. 28, hefte 1, p. 57-66) **Title tr.:** Description of Greenland's rocks.

Contains a description of rocks brought home by F. Nansen from eastern coast of Greenland, including some specimens of crystalline diorite and epidote, with data on their microscopic structure.

Copy seen: MH-Z.

7027. HERRON, EDWARD ALBERT, 1912- . Alaska, land of tomorrow. New York, London, Whittlesey House, McGraw-Hill Book Co. Inc. [1947] 2 p. l., 232 p. 16 plates, incl. 1 map.

Sketches of Sitka, Ketchikan, Kenai, Matanuska, Aleutian Islands, Anchorage, Fairbanks, Alaska Highway, Juneau. Remarks on tuberculosis among the natives, and on Juneau as the seat of government.

Copy seen: DLC; NNSf.

HERRON, JOSEPH SUTHERLAND, 1869- , see U. S. Adjutant-General's Office. Military Information Division. Explorations in Alaska, 1899. Cook Inlet-Yukon, 1901.

7028. HERSEY, FRANK SEYMOUR, 1884- . A list of the birds observed in Alaska and northeastern Siberia during the summer of 1914. Washington, Smithsonian Institution, 1916. 1 p. l., 33 p. (Smithsonian miscellaneous collections. v. 66, no. 2)

Account of a trip in Alaska, Bering Sea and the East Cape region of Chukotsk Peninsula, to obtain data for A. C. Bent's work on life histories of North American birds. Includes list, with field notes (excepting those on habits, to appear in Bent's *Life histories*, q.v.), of about one hundred species observed.

Copy seen: DLC.

7029. HERSEY, FRANK SEYMOUR, 1884- . Present abundance of birds in the vicinity of Fort St. Michael, Alaska. (Auk, Apr. 1917. v. 34, p. 147-59)

Description of the island and town and general notes on the birds.

Copy seen: DSI-M.

7030. HERSEY, FRANK SEYMOUR, 1884- . The probable breeding of the Aleutian tern in southeastern Alaska - a query. (Condor, Nov. 1920. v. 22, p. 203-204)

The author questions E. P. Walker's identification of *Sterna aleutica* (in his *Probable breeding . . . Alaska*, q.v.),

and discusses the records of, and the means of distinguishing this species from the arctic tern.

Copy seen: DSI-M.

7031. HERSEY, HENRY B. Meteorological work at Camp Wellman, Danes Island, Spitsbergen. (U. S. Weather Bureau. Monthly weather review, Feb. 1907. v. 35, p. 63-68)

Summary account of the first part of the Wellman *Chicago Record-Herald* Polar Expedition, organized in 1906 to carry out Walter Wellman's plan of reaching the North Pole by means of airship or dirigible balloon. The author, representing the U. S. Weather Bureau and National Geographic Society, was in charge of this section of the expedition to Danes Island (Danskøya) off the northwest coast of Spitsbergen.

He gives here the tabulated results of daily meteorological observations at 1800 hours (local time), and hourly registerings of air temperature and wind speed at Cape Wellman, Danes Island, during the period, June 26-Aug. 31, 1906. A description of the instrumentation and its exposure and a chronological (daily) résumé of weather conditions June 21-August 26, precedes the tabular materials.

Copy seen: DLC.

7032. HERSHEY, OSCAR H., 1874-1939. The ancient Kobuk Glacier of Alaska. (Journal of geology, Jan.-Feb. 1909. v. 17, p. 83-91)

Description of glacial deposits in the Hotham Inlet region of Kotzebue Sound area, and of the evidences of glaciation in the Kobuk Valley.

Copy seen: DGS.

7033. HERTER, P. Petrographische Untersuchungen über Gesteine aus Nord-Asien. (Archiv für wissenschaftliche Kunde von Russland, 1860-63. Bd. 20, p. 192-200; Bd. 22, p. 504-520, 571-88) **Title tr.:** Petrographic research on the rocks of northern Asia.

Based on samples collected by A. Erman during his trip around the world, 1828-30. Contains (in pt. 2) discussion of the occurrence of pitch stone near Okhotsk, and (in pt. 3) description of the rocks of Kamchatka.

Copy seen: DLC.

7034. HERZ, OTTO, 1853-1905. Auf der Beringinsel. (Verein für Erdkunde

zu Dresden. Jahresbericht, 1885. Bd. 21, p. 217-23) *Title tr.*: On Bering Island. From the travel journal of Otto Herz.

Description (in brief) of Bering Island and (in detail) its fur seal industry. *Copy seen*: DLC.

7035. HERZ, OTTO, 1853-1905. Frozen mammoth in Siberia. (Smithsonian Institution. Annual report, 1903, *pub.* 1904. p. 611-25. illus. 9 plates, map)

Translated extracts of the report (*Otchet'y nachal'nika ekspeditsii* (etc.) 1902, q.v.) of the author as leader of the Imperial Academy of Sciences Expedition to the Berezovka River to excavate mammoth remains in 1901. Account with some day-to-day notes of the author's examination *in situ* of frozen mammoth remains preserved in a cliff along the Berezovka River, a right tributary of the Kolyma; also notes on preparation of the remains for transportation to the Zoological Museum, St. Petersburg.

Copy seen: DLC.

7036. HERZ, OTTO, 1853-1905. *Otchet'y nachal'nika ekspeditsii Imperatorskoï akademii nauk na Berezovku dlia raskopki trupa mamonta.* (Akademiia nauk SSSR. Bulletin, avril 1902. Sér. 5, t. 16, p. 137-74, 9 plates, sketch map) *Title tr.*: Reports of the leader of the Imperial Academy of Sciences' Expedition to the Berezovka River for the purpose of exhuming the carcass of a mammoth.

Contains 1. An account of the origin of the expedition, which consisted of the author (senior zoologist of the Academy's Zoological Museum) and two assistants. News had been received (April 1901) that a well-preserved mammoth had been located in a ridge on the Berezovka River.

2. Gert's letters from Yakutsk, Verkhoyansk, and Sredne-Kolymsk, describing the preparations and the journey on horseback and on foot. Letter from the banks of the Berezovka, including journal of events from Aug. 29 to Oct. 24. List of parts of mammoth obtained, as prepared for shipment in frozen state to St. Petersburg.

3. The return, ending Feb. 18, 1902 in St. Petersburg.

Copy seen: DSI (plates and map bound following p. 094 of Feb. issue).

7037. HERZOG, WILHELM PHILIPP, 1836-1900? Ueber die Verwandtschaft des Yumasprachstammes mit der Sprache der Aleuten und der Eskimostämme. (Zeitschrift für Ethnologie. Berlin, 1878. v. 10, p. 449-59) *Title tr.*: On the relationship between the Yuma linguistic stock and the language of the Aleut and Eskimo stock.

Consists chiefly of parallel vocabularies of various Yuma, (North American Indian), Aleut, and Eskimo words, between which there is some resemblance. *Copy seen*: DLC.

7038. HESLOP, BARBARA. Arctic rescue. (Beaver, Mar. 1944. Outfit 274, no. 4, p. 8-14, illus.)

Account of the air operation which succeeded in evacuating the post manager and his wife from Fort Ross, Nov. 1943. *Copy seen*: DSI-M.

HESS, FRANK LEE, 1871- , *see* Collier, A. J., & others. Gold placers Seward Pen. 1908.

HESS, FRANK LEE, 1871- , *see also* Prindle, L. M., & others. Fairbanks & Rampart quadrangles. 1908.

HESS, FRANK LEE, 1871- , *see also* Prindle, L. M., & F. L. Hess. Rampart gold placer region. 1906.

7039. HESS, HANS. Das Eis der Erde. (In: Gutenberg, Beno, ed. Handbuch der Geophysik. 1933. Bd. 7, Lief. 1, p. 1-121, illus. incl. diagrs., tables, 2 sketch maps) *Title tr.*: Ice of the earth.

Contains condensed, technical information on the physical and mechanical properties of snow and (both fresh-water and marine) ice; and a comprehensive treatment of glaciers, including their movement, temperature, structure, drainage, icebergs, moraines, variation, and distribution.

Copy seen: DLC.

7040. HESSE, ERICH. Bernhard Hantzschs ornithologische Ausbeute in Baffinland. (Journal für Ornithologie, 1915. Jahrg. 63, p. 137-227) *Title tr.*: Bernhard Hantzschs's ornithological results on Baffin Island.

Based on the specimens in the Royal Zoological Museum, Berlin, and on Hantzschs's journal, 1909-11. Field notes (with Eskimo names) on thirty-eight species, and a section on the eggs and nests of eighteen species.

Copy seen: DSI-M.

7041. HESSELBERG, THEODOR, 1885-. On the projected cooperation with Roald Amundsen's North Polar Expedition. (Norway. Geofysiske kommission. Various papers on the projected cooperation with Roald Amundsen's North Polar Expedition. *Pub.* in: Geofysiske publikationer, 1920. v. 1, no. 4, p. 1-4, map)

Plans for the erection of geophysical stations and the extension of work in existing stations in countries around the Arctic Ocean. *Copy seen:* DLC.

7042. HESSELBERG, THEODOR, 1885-. Polaråret. (Norsk geografisk tidsskrift, 1932-33, *pub.* 1933. Bd. 4, p. 110-20) *Title tr.:* The Polar Year.

Contains remarks on the First International Polar Year, 1882-83; discussion of the organization and preparations for the Second Polar Year, 1932-33, the proposed participation of Norway, the network of stations and auroral investigations planned.

Copy seen: DLC.

7043. HESSELBERG, THEODOR, 1885-. Polarforskning og meteorologi. (Norsk geografisk tidsskrift, 1926-27, *pub.* 1927. Bd. 1, p. 257-74, sketch maps) *Title tr.:* Polar exploration and meteorology.

Remarks on the cooperation of the Norwegian Meteorological Institute with arctic expeditions, 1873-1922; account of its participation in the preparations and flights made by Amundsen 1925 and 1926; also remarks on arctic weather and flying conditions and discussion of the weather during the flights.

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7044. HESSELBERG, THEODOR, 1885-. Våre arktiske værstasjoner. (Norsk geografisk tidsskrift, 1932-33, *pub.* 1933. Bd. 4, p. 455-64, illus., chart) *Title tr.:* Our arctic meteorological stations.

Discussion of Norwegian stations and weather forecasting in arctic regions; their importance to Norway.

Copy seen: DLC.

7045. HESSELBERG, THEODOR, 1885-, and B. J. BIRKELAND. Sækulare Schwankungen des Klimas von Norwegen. Oslo, 1940-43. 3 pt.: 106, 65, 76 p. incl. tables (Geofysike publikasjoner, v. 14, no. 4-6) *Title tr.:* Secular changes in the climate of Norway. No. 4. Air temperature; no.

5. Precipitation; no. 6. Air pressure.

The secular trend of the climate of selected stations in Norway and insular possessions of Norway is analyzed according to departures of ten-year running averages of the various climatic elements, from the normal value based on the period 1901-1930.

No. 4 (Air temperature) includes chapters on the tree line, the extension of the shipping season between Norway and Spitsbergen, and the results of rise of temperature in Svalbard and neighboring waters (recession of glaciers).

Copy seen: DLC.

7046. HESSELBO, AUGUST, 1874-. List of the Andreaeales and Bryales found in East-Greenland between 74° 15' and 65° 35' lat. N. in the years 1898-1902, by Aug. Hesselbo. 1907. (*In:* Amdrup, G. C. Carlsbergfondets expedition til Ost-Grønland. 4. del. nr. 9. *Pub.* in: Meddelelser om Grønland. 1911. 30. hefte, p. 313-32)

List, with localities, of one hundred thirty-seven species of mosses, collected during the Carlsberg Fund Expedition to East Greenland, 1898-1900, and Kruuse's Botanical and Ethnological Expedition to Angmagssalik, 1901-1902.

Copy seen: DLC.

7047. HESSELBO, AUGUST, 1874-. Mosses collected on the Fifth Thule Expedition. [Copenhagen, Gyldendal, 1937] 17 p. (Thule Expedition. 5th, 1921-24. Report. v. 2, no. 2)

List of mosses from twenty-seven localities in Melville Peninsula, Cockburn Land (northwest Baffin Island) and the Northwest Territories.

Copy seen: DLC.

7048. HESSELBO, AUGUST, 1874-. Mosses collected on the north coast of Greenland by the late Dr. Th. Wulff. (*In:* Thule ekspeditionen til Grønlands nordkyst. 2d, 1916-1918. [Beretninger] nr. 10. *Pub.* in: Meddelelser om Grønland, 1927. Bd. 64, p. 269-77)

List, with localities and remarks, of sixty-seven species of mosses and liverworts.

Copy seen: DLC.

7049. HESSELBO, AUGUST, 1874-. Mosses from Clavering Ø and the surrounding areas. København, C. A. Reitzel, 1948. 22 p. map. (Meddelelser om Grønland. Bd. 116, nr. 6)

Results of the Three-Year Expedition to Christian X's Land, 1931-34.

List, with notes on habitats, of one hundred thirty-nine species of mosses and liverworts from Sabine Island, Wollaston Foreland, Clavering Island, Hudson Land, Hold with Hope, Strindberg Land, Payer Land, and Cape Stewart (Scoresby Sound).

Copy seen: DGS; DSI-M.

7050. HESSELBO, AUGUST, 1874- . Mosses from North-East Greenland (Lat. 77°N.). København, C. A. Reitzel, 1948. 10 p. (Meddelelser om Grønland. Bd. 128, nr. 3)

Results of the Danish Northeast Greenland Expedition, 1938-39. Lists, with habitats, of seventeen species of liverworts, and sixty-seven mosses, based on collections made on the north shore of Dove Bay and on Wollaston Foreland.

Copy seen: DGS.

7051. HESSELBO, AUGUST, 1874- . Mosses from north-east Greenland (N. of 76°N. lat.) collected by the "Danmark-expedition" 1906-1908, determined by Aug. Hesselbo. 1910. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 8. (Meddelelser om Grønland, 1917. Bd. 43, p. 169-80, plates XI-XII)

Contains list, with localities and notes on habitat, of ninety-one (including with description, one new) species, mostly from the vicinity of Danmarks Havn, Germania Land (76°46'N. 18°45'W.) and also from northerly spots including Lamberts Land and the north side of Hyde Fiord (83°10'N.).

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7052. HESSELBO, AUGUST, 1874- . Some mosses from N. W. Greenland (Wolstenholme Sound and Inglefield Gulf). (In: Thule ekspeditionen til Grønlands nordkyst. 2d, 1916-1918. [Beretninger] nr. 8. Pub. in: Meddelelser om Grønland, 1927. Bd. 64, p. 215-20)

List, with localities and names of collectors, of thirty-seven species.

Copy seen: DLC.

HESSELBO, AUGUST, 1874- , *see also* Gandrup, J., & others. Botanical trip to Jan Mayen. 1924.

7053. HESSELMAN, HENRIK, 1874-1943. Om mykorrhizabildningar hos arktiska växter. Stockholm, P. A. Norstedt, 1900. 46 p. illus. 3 plates. (Svenska vetenskapsakademien. Handlingar;

Bihang. Bd. 26, afd. 3, no. 2) *Title tr.:* On mycorrhiza in arctic plants.

Drawing chiefly on research during the Swedish Arctic Expedition, 1898, the author gives (1) a historical survey of mycorrhizal research; (2) list, with discussions, of plant species with ectotrophic mycorrhiza; (3) survey of the anatomical structure of the species investigated; and (4) discussion of humus in arctic regions.

Copy seen: DLC.

HESSELMAN, HENRIK, 1874-1943, *see also* Andersson, G., & H. Hesselman. Bidrag till kändedom Spetsbergens kärlväxtflora. 1900.

HESSELMAN, HENRIK, 1874-1943, *see also* Andersson, G., & H. Hesselman. Verzeichnis d. in König Karls Land gefundenen Phanerogamen. 1899.

7054. HESTER, WALTER B. Keep off the ice! (Alaska sportsman, July 1942. v. 8, no. 7, p. 16-18, 20-21, illus.)

General description and discussion of glaciers, their physical features, behavior, dangers to the foot traveler, surface covering, etc.

Copy seen: DLC.

HEUGLIN, MARTIN THEODOR *von*, *see* HEUGLIN, THEODOR *von*, 1824-1876.

7055. HEUGLIN, THEODOR *von*, 1824-1876. Beiträge zur Fauna, Flora und Geologie von Spitzbergen und Novaja Semlja. Braunschweig, G. Westermann, 1874. viii, 352 p. plate. (His: Reisen nach dem Nordpolarmeer in den Jahren 1870 und 1871. Dritter Theil) *Title tr.:* Contribution to the fauna, flora and geology of Spitsbergen and Novaya Zemlya.

The scientific report of the author's voyages during the summers of 1870 and 1871, which took him to Edge, Barents and Vaygach Islands, as well as West Spitsbergen and Novaya Zemlya.

Contains in (1) zoology: systematic lists, with bibliographic references and extensive notes on distribution and natural history, of nineteen species of land and marine mammals, fifty species of birds and thirty-one species of fishes; simple lists, with localities, of the molluscs, bryozoans, crustaceans, arachnids, insects, free-living and parasitic worms, echinoderms, coelenterates,

and protozoans of the two land groups and the waters between them.

(2) Botany: lists, with localities, of the flowering plants, ferns, liverworts, mosses, algae, lichens, and fungi of the two island groups.

(3) Geology: remarks on the general geology, coastal uplift, glaciers, and drift-wood of West Spitsbergen, and brief comment on Novaya Zemlya rocks.

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7056. HEUGLIN, THEODOR von, 1824-1876. Notes on the birds of Novaya Zemlia and Waigats Island. (Ibis, Jan. 1872. Ser. 3, v. 2, p. 60-65)

Based on collections made during a cruise in the *Germania*, July-Sept. 1871, an annotated list of forty-three species, including some reported earlier and not observed by the author.

Copy seen: DSI-M.

7057. HEUGLIN, THEODOR von, 1824-1876. Reise in Norwegen und Spitzbergen im Jahre 1870. Unternehmen in Gesellschaft des Grafen Karl v. Waldburg-Zeis-Trauchburg. Braunschweig, G. Westermann, 1872. xii, 328 p. 16 plates, 2 fold. maps. (*His:* Reisen nach dem Nordpolarmeere in den Jahren 1870 und 1871. Erster Theil.) *Title tr.:* Voyage to Norway and Spitsbergen, 1870. In company with Count Karl Waldburg-Zeis-Trauchburg.

The schooner *Skjøn Valborg* cruised, July 3 to Oct. 6, among the islands off northern Norway, across Greenland Sea (west of Bear Island) to the west coast of West Spitsbergen (Horn Sound), then north along the east coast of West Spitsbergen, Edge and Barents Islands, returned to the west coast again (Ice Fiord), thence to Norway.

Heuglin studied the marine and land faunas and made natural history collections. He gives here a narrative of the voyage, descriptions of the birds, whales, seals, and walrus, the methods of their capture and other natural history notes; remarks on the physical features of land areas, the vegetation, weather, and sea ice; with special notes on Bear Island, the Negri glacier, and general history of exploration of the Svalbard region.

Meteorological tables of this cruise appear as Appendix A, in his: *Reise nach Novaja Semlja* (etc.) 1873, q.v.

Summary account of Heuglin's explorations in Stor Fiord, with new map

and list of new place names by Petermann, was published in *Th. v. Heuglin's Aufnahmen in Ost-Spitzbergen, 1870.* (Petermann's geographische Mittheilungen, 1871. Bd. 17, p. 176-82)

Copy seen: DLC.

7058. HEUGLIN, THEODOR von, 1824-1876. Reise nach Novaja Semlja und Waigatsch im Jahre 1871. Unter- nommen mit der Rosenthal'schen Expedition. Braunschweig, G. Westermann, 1873. vi, 300 p. illus., 8 plates, fold. map. (*His:* Reisen nach dem Nordpolarmeere in den Jahren 1870 und 1871. Zweiter Theil) *Title tr.:* Voyage to Novaya Zemlya and Vaygach, 1871, with the Rosenthal Expedition.

Narrative of the cruise of A. Rosenthal, July 23-Sept. 20, with the steamer *Germania*, across Barents Sea, within Matochkin Shar, Kostin Shar, Yugorskiy Strait and waters west of Vaygach Island, carrying on hydrographic, natural history and meteorological investigations. Includes remarks on the marine fauna, temperature and ice, the weather, and the physical geography of coasts which the steamer touched.

Appendices tr.: A. Meteorological observations during the voyage to Spitsbergen, June 4-Nov. 1, 1870. (Daily air and sea surface temperatures, color of the sea, wind direction, cloudiness, state of sea, and remarks).

B. Excerpts from the log of the *Germania*, July 8-Nov. 3, 1871. (Remarks on ice, weather and bathymetry).

C. Meteorologic journal of the *Germania*, July 8-Nov. 3, 1871. (Barometric pressure, air and sea-surface temperature, wind direction and strength, cloudiness, weather, state of sea, and remarks).

Supplementary remarks on the most recent exploration of King Karl's Land.

Map: Insects of Matochkin Shar, Belushya Bay, and Kostin Shar (Novaya Zemlya), and of Kara Strait, Vaygach Island, and Yugorskiy Strait.

Copy seen: DLC.

7059. HEUGLIN, THEODOR von, 1824-1876. Reisen nach dem Nordpolarmeere in den Jahren 1870 und 1871. Braunschweig, G. Westermann, 1872-74. 3 v. in 1. (xii, 328 p.; vi, 300 p.; viii, 352 p.) illus., 25 plates, 3 fold. maps. *Title tr.:* Voyages in the Arctic Ocean during 1870 and 1871.

Contents tr.: Pt. 1 (pub. 1872). Voyage to Norway and Spitsbergen, 1870.

Pt. 2 (pub. 1873). Voyage to Novaya Zemlya and Vaygach, 1871.

Pt. 3 (pub. 1874). Contributions to the fauna, flora and geology of Spitsbergen and Novaya Zemlya.

Each part appears separately in this Bibliography. *Copy seen*: DLC.

7060. HEUGLIN, THEODOR von, 1824-1876. Die Rosenthal'sche Expedition nach dem Nordpolarmeer. Ornithologie von Novaja Semlja und der Wai-gatsch-Insel. (Journal für Ornithologie, März, 1872. Jahrg. 20, p. 113-28, 464) *Title tr.*: The Rosenthal Expedition to the north polar sea. Ornithology of Novaya Zemlya and Vaygach Island.

Annotated list of forty-three species, with an appended list of forty-eight species listed by Middendorff as occurring on the Taymyr Peninsula; also a supplementary note (p. 464).

Copy seen: DSI-M.

7061. HEUGLIN, THEODOR von, 1824-1876. Th. v. Heuglin's Aufnahmen in Ost-Spitzbergen, 1870. (Petermann's geographische Mittheilungen, 1871. Bd. 17, p. 176-82, fold. map) *Title tr.*: Th. v. Heuglin's surveys in East Spitsbergen, 1870.

Notes to accompany a map of Edge and Barents Islands and the west coast of Stor Fiord, based on surveys carried out by the author during his voyage to northern Norway and Spitsbergen, 1870; and with some remarks by A. Petermann. *Copy seen*: DLC.

7062. HEUGLIN, THEODOR von, 1824-1876. Die Vogel-Fauna im hohen Norden. (Petermann's geographische Mittheilungen, 1871. Bd. 17, p. 57-66) *Title tr.*: Avifauna of the far North.

Notes on species of birds identified in and near Svalbard and northern Norway. Includes names of species and some notes on habits and distribution.

Copy seen: DLC.

7063. HEUGLIN, THEODOR von, 1824-1876. Die Vogel-Fauna im hohen Norden. Ornithologische Notizen aus Finnmarken und Spitzbergen. (Journal für Ornithologie, März 1871. Jahrg. 19, p. 81-107) *Title tr.*: Avifauna of the far North. Ornithological notes from Finnmark and Spitsbergen.

Results of the expedition of Count Waldburg-Zeil and the author in *Skjøn Valborg*, 1870. Detailed field notes on oc-

currence, nesting, eggs, migration, etc., of the birds of Svalbard, especially the eastern coast of West Spitsbergen.

Copy seen: DSI-M.

HEUGLIN, THEODOR von, 1824-1876, *see also* Spörer, J. Hohe Norden in d. deutschen Reise-Literatur. 1873.

7064. HEWETSON, H. W. Transportation in the Canadian North. Arctic survey. 5. (Canadian journal of economics and political science, Aug. 1945. v. 11, p. 450-66)

Contains information on (1) history, finance, organization, traffic, routes, rates and operation of White Pass and Yukon Route (made up of four companies: Pacific and Arctic Railway and Navigation Co., British Columbia Yukon Railway Co., British Yukon Railway Co., and British Yukon Navigation Co.); (2) water transportation in the Mackenzie District; (3) highways; (4) airways; and (5) communications (telegraph, telephone, newspapers); with remarks on pipe-lines, tractor-trains, and animal transportation.

Copy seen: DLC.

7065. HEWETSON, H. W. Transportation in the North-West. (In: Dawson, C. A., ed. The new North-West, 1947. p. 183-225, 2 sketch maps)

A new paper written in 1946, on the area treated in the author's *Transportation in the Canadian North*, 1945, q.v., with added information on routes, shipping, and commercial aviation in Yukon Territory, and with additions to much of the information on Mackenzie District. *Copy seen*: DLC.

7066. HEWETT, F. V. C., and W. J. McDONOUGH. Flying and mining in Canada. (Air affairs, Dec. 1946. v. 1, p. 233-41)

Discussion of the role played by commercial flying in the mining industry of northern Canada, beginning 1923; with a list of basic requirements for aircraft operating in the northern area, and some remarks on costs of air transportation. *Copy seen*: DLC.

7067. HEWITT, CHARLES GORDON, 1885-1920. The conservation of our northern mammals. (Canada. Commission of Conservation. Report, 1916. v. 7, p. 32-40, plate, fold. map)

Recommendation for the protection of caribou and musk oxen, with notes on their status.

Copy seen: CaOst; DLC.

7068. HEWITT, CHARLES GORDON, 1885-1920. Conservation of the fur resources of northern Canada. (Canada. Commission of Conservation. Report, 1917. v. 8, p. 119-22)

General remarks on the need for conservation.

Copy seen: CaOSt; DLC.

7069. HEWITT, CHARLES GORDON, 1885-1920. Introduction and list of new genera and species collected by the expedition. Ottawa, King's Printer, 1920. 4 p. l., ix-xi p. (Canadian Arctic Expedition, 1913-1918. Report. v. 3: Insects)

A list, with page index, of ninety-three new species, representing all orders of insects collected by the expedition, in northern Alaska and Northwest Territories.

Copy seen: DSI-M.

7070. HEWSON, E. W. A survey of the facts and the theories of the aurora. (Reviews of modern physics, Oct. 1937. v. 9, p. 403-431, illus., diagrs.)

Contents: 1. Form and occurrence. 2. Method of determination of height. 3. Intensity measurements. 4. Characteristics of ordinary and sunlit aurorae. 5. The auroral spectrum. 6. Theory of aurora. 7. Conclusion (with bibliography of 81 items).

Copy seen: DLC.

HEYDINGER, C., *see* Staehlin v. Storcksburg, J. Account new northern archipelago. 1774.

HEYERDAL, TRYGVE, *see* Alme, H. Om Spitsbergen og den Wellmanske polareksped. 1895.

7071. HIBBEN, Mrs. FRANK C. Pacific eider nesting at Glacier Bay, Alaska. (Condor, July 1942. v. 44, p. 182)

Copy seen: DSI-M.

7072. HICKS, H. BRODIE. The United Keno Hill mine. (Western miner, Nov. 1949. v. 22, no. 11, p. 46-56, illus., 2 sketch maps, diagrs.)

Detailed description of the history, economic conditions, geology, mining, milling, and operation of the United Keno Hill Mines Ltd. silver-lead mine in the Mayo district of Yukon Territory.

Copy seen: DGS.

7073. HICKSON, W. E. On the climate of the North Pole, and on circumpolar exploration. (Royal Geographical Society. Journal, 1865. v. 35, p. 129-42)

Discussion of the probable temperature, ice and current relationships at the Pole, with remarks on need for research on the figure of the earth and of its axial position to the sun.

Copy seen: DLC.

HIEKISCH, C., *see* GIKISH, K.

HIGGINS, DANIEL FRANKLIN, 1882-1930, *see* Grant, U. S., & D. F. Higgins. Coastal glaciers Prince William Sound & Kenai Peninsula. 1913.

HIGGINS, DANIEL FRANKLIN, 1882-1930, *see also* Grant, U. S., & D. F. Higgins. Glaciers Prince William Sound & Kenai Peninsula. 1910-11.

HIGGINS, DANIEL FRANKLIN, 1882-1930, *see also* Grant, U. S., & D. F. Higgins. Reconnaissance of geol. & mineral resources Prince William Sound. 1910.

7074. HIGGINS, FLOYD LINVILLE, 1900-. Field crops for interior Alaska. Washington, U. S. Govt. Print. Off., 1933. 13 p. illus. (Alaska. Agricultural Experiment Stations. Circular no. 4)

Brief discussion of history, characteristics, and field performance of wheat, barley, oats, rye, legumes, grasses, root crops and potatoes.

Copy seen: DA.

7075. HIGGINS, FLOYD LINVILLE, 1900-. Oat production in Alaska. Washington, U. S. Govt. Print. Off., 1932. 18 p. illus., tables, diagr. (Alaska. Agricultural Experiment Stations. Bulletin no. 10)

Discussion of climate, season, soils, rotation, green and commercial fertilizers, varieties, methods, smut and weed control, seeding time and rats, harvesting and rabbit injury.

Copy seen: DA.

7076. HIGGINSON, Mrs. ELLA (RHOADS) 1862-. Alaska, the great country. New ed., with new matter. New York, Macmillan Co., 1919. xii, 583 p. front. (port.) plates, fold. map.

First published in 1908 (537 p.) with several reprintings; republished 1917, with added chapter, p. 531-73, on recent economic and administrative developments; the 1917 edition was reprinted without added material in 1919.

Contains description of Southeast Alaska, the trip westward to Kodiak

and Unalaska, the overland journey from Valdez to Tanana, the Yukon valley, Nome, Dawson and Whitehorse.

Copy seen: DLC (both editions); NNS Stef (1st ed. only).

HIGHWAY RESEARCH BOARD, *see* NATIONAL RESEARCH COUNCIL. HIGHWAY RESEARCH BOARD.

7077. HIITONEN, ILMARI. Die arktischen *Arenaria*-Arten unseres naturwissenschaftlichen Gebietes. (Societas pro fauna et flora fennica. Memoranda, 1935-36, *pub.* 1936, v. 12, p. 60-65, text map) **Title tr.:** Arctic *Arenaria* species of our natural history region.

Contains a discussion of the geographic distribution of the herbs *Arenaria humifusa* and *A. ciliata* with two ssp. *norvegica* and *pseudofrigida*, in arctic regions of Fennoscandia and Kola Peninsula. **Copy seen:** MH-A.

7078. HIITONEN, ILMARI. *Carex brunnescens* x *lohiacea* (C. laestadii Holmb.) Suomessa. (Societas pro fauna et flora fennica. Memoranda 1924-25, *pub.* 1927, v. 1, p. 90-91) **Title tr.:** *Carex brunnescens* x *lohiacea* (C. laestadii Holmb.) in Finland.

Contains a description of a hybrid of sedges *Carex brunnescens* x *lohiacea* (C. laestadii), occurring in Kemi and Enontekiö Lappmark and in some other regions of Finland.

Copy seen: MH-A.

7079. HIITONEN, ILMARI. Die in der Blumenfarbe abweichenden Formen von *Epilobium angustifolium* L. (Societas pro fauna et flora fennica. Meddelanden 1922-23, *pub.* 1925, Häfte 49, p. 213-15) **Title tr.:** Forms of *Epilobium angustifolium* L. deviated in color.

Contains descriptions of five color forms of *Epilobium angustifolium*, including f. *rosea* occurring in Rovaniemi, northern Ostrobothnia.

Copy seen: MH-A.

7080. HIITONEN, ILMARI. Kolme mainittavaa saniaislöytöä Rovaniemeltä. (Societas pro fauna et flora fennica. Memoranda, 1924-1925, *pub.* 1927, v. 1, p. 91-93) **Title tr.:** Three noteworthy fern localities found in Rovaniemi.

Contains a report of finding three ferns, *Asplenium trichomanes*, *Dryopteris filix mas* and *Eupteris aquilina*, in the Rovaniemi region of northern Ostrobothnia, with some critical notes

and data on distribution in Finnish and Russian Lapland.

Copy seen: MH-A.

7081. HIITONEN, ILMARI. Muutamia eläintieteellisiä tiedonantoja Sodankylästä. (Societas pro fauna et flora fennica. Meddelanden, 1921-22, *pub.* 1925, Häfte 48, p. 3-4) **Title tr.:** Some contributions to the knowledge of animals in Sodankylä.

Contains some notes on six species of mammals (polar bear, wolf, mouse, marten, weasel and squirrel) and three of birds observed in the Sodankylä region, Finnish Lapland.

Copy seen: MH-A.

7082. HIITONEN, ILMARI. Über die Kollektivart *Valeriana officinalis* L. in Finnland. (Societas pro fauna et flora fennica. Memoranda, 1931-32, *pub.* 1933, v. 8, p. 318-20) **Title tr.:** On a collective species, *Valeriana officinalis* L., in Finland.

Contains a systematic study of *Valeriana officinalis*, occurring in Finnish and Russian Lapland, and closely related species of the same genus, with some ecological notes.

Copy seen: MH-A.

7083. HILDEBRAND, HANS. De lägre naturfolkens konst. (In: Nordenskiöld, N. A. E. Studier och forskningar [1883-84]. p. 303-402, illus. fold. plate) **Title tr.:** Art of primitive peoples.

German translation was published in Nordenskiöld's *Studien und Forschungen veranlasst durch meine Reise im hohen Norden*, 1885, q.v.

Contents include a general discussion of the Chukchis and the Eskimos of the Seward Peninsula, their drawings and bone carvings. **Copy seen:** DLC.

7084. HILDEBRAND, HENRY. Notes on an abundance of shrews (*Sorex cinereus cinereus*) and other small mammals in the Ungava Bay region of far northern Quebec. (Journal of mammalogy, Aug. 1949, v. 30, p. 309-11)

Based on observations made during three trips to the Fort Chimo region, spring and summer 1947-48, notes on abundance, habits and economic importance of shrews; and with mention of mice and voles. **Copy seen:** DSI-M.

7085. HILDEBRAND, HENRY. Notes on *Rana sylvatica* in the Labrador Peninsula. (Copeia, Sept. 1949, no. 3, p. 168-72)

Observations on frogs made in the region of the Koksoak and George Rivers 1947-48, while the author was a member of a marine biological survey party sponsored by the Fisheries Research Board of Canada, with base at Fort Chimo. **Copy seen:** DSI-M.

7086. HILDEBRAND, SAMUEL FREDERICK, 1883-. An annotated list of the fishes collected on the several expeditions to Greenland, the Fox Basin region, and the coast of Labrador by Captain R. A. Bartlett, from 1925 to 1935. København, C. A. Reitzel, 1939. 12 p. (Meddelelser om Grønland. Bd. 125, nr. 1)

Systematic list, with synonyms, localities and ranges, of nineteen species, from the fresh and marine waters of East and North Greenland, from Foxe Basin and Labrador Sea (coastal waters). **Copy seen:** DSI-M.

HILDEBRAND, SAMUEL FREDERICK, 1883-, *see also* Jackson, H. T. H., & others. Literature on natural history of Alaska & Canada. 1949.

HILDEBRAND, WILLARD, *see* Baxter, D. V., & others. On & off Alaska trails. 1937.

7087. HILDEBRANDSSON, H. HILDEBRAND. Observations météorologiques faites par l'expédition de la Vega du Cap Nord à Yokohama par le détroit de Behring. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 573-675, 4 plates, tables) **Title tr.:** Meteorological observations made by the Vega Expedition from North Cape to Yokohama through Bering Strait.

Contains general discussion of meteorological elements in arctic regions; tables of seven-times daily observations, Oct. 1, 1878 to July 17, 1879 at Petlekay, Chukotsk Peninsula (67°10'N. 173°24'W.); and five-times daily observations along the course from North Cape, Norway, to Petlekay, July 24-Sept. 30, 1878, and thence to Yokohama, July 18-Sept. 2, 1879.

Copy seen: DGS; DLC.

HILDEN, ILMARI, *see* HIITONEN, ILMARI.

7088. HILFERTY, A. F. Radio report. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 326-29)

Notes on radio equipment, sending and receiving, of the Louise A. Boyd Expedition, 1938.

Copy seen: DLC; NNA.

7089. HILGENBERG, O. C. Zur Frage der Meerestiefe im Nordpolarmeer. (Annalen der Hydrographie und maritimen Meteorologie, Dez. 1939. Bd. 67, p. 562-65) **Title tr.:** The question of ocean depths in the north polar sea.

Copy seen: DLC.

7090. HILL, GRACE A. The migration of the king eider at Synuk, Alaska. (Condor, May 1923. v. 25, p. 103-104, illus.)

Note of a spectacular migration, Apr. 1915, witnessed near Nome.

Copy seen: DSI-M.

HILL, HOWARD RICE, 1889-, *see* David, L. R., & H. R. Hill. Alaskan fishes in shrimp trawls. 1938.

7091. HILL, JAMES MADISON, 1884-. Lode deposits of the Fairbanks district, Alaska. (In: Smith, P. S., and others. Investigations in Alaska Railroad belt, 1931. U. S. Geological Survey, Bulletin, 1933. No. 849, p. 29-163, 5 fold. maps, fold. diagrs.)

Contains notes on the geography and means of travel, and on the general geology; description of economic factors affecting mining, metallurgical data, the gold lode deposits, mines and prospects, and the antimony and tungsten deposits.

Maps include geologic map of the Fairbanks district, Alaska (contour interval 25 ft., scale 1:62,500) showing claims, ditches, and cultural features.

Copy seen: DGS.

HILL, MERIDEN S., *see* Mason, O. T. Pointed bark canoes. 1901.

HILMERS, H., *see* Miethe, A., & H. Hergesell, eds. Mit Zeppelin nach Spitzbergen. 1911.

7092. HILSCHER, HERBERT HENRY, 1902-. Alaska, little Siberia. (Alaska life, June 1940. v. 3, no. 6, p. 6, 19, 21, 23)

Analysis and sharp criticism of U. S. Senate Bill no. 3577, "To provide for the settlement and development of Alaska," listed in this Bibliography under U. S. Congress. Senate. Committee on Territories and Insular Affairs.

Copy seen: DLC.

7093. HILSCHER, HERBERT HENRY, 1902- . Alaska now. Boston, Little, Brown, 1948. x, 299 p. illus., 16 plates, maps on lining-papers. Another edition, with some brief revisions in text, and index added (309 p.) was published in 1950.

A member of the five-man Alaska Development Board describes Alaska to "people looking for new horizons"; gives details on living conditions, the cities and towns, industries, scenery, natural resources (agriculture, forestry, fisheries, mining) and politics, with a strong plea for statehood for the Territory. *Copy seen:* CaOGB; DLC.

7094. HILSCHER, HERBERT HENRY, 1902- . The building on the tundra. (Alaska life, Mar. 1942. v. 5, no. 3, p. 4-5, illus.)

Description of the U. S. Bureau of Indian Affairs Hospital at Bethel, Alaska, opened in Dec. 1939.

Copy seen: DLC.

7095. HILSCHER, HERBERT HENRY, 1902- . Is there still time to do the job? (Alaska life, Aug. 1940. v. 3, no. 8, p. 3, 11, illus.)

Discussion of U. S. Army and Navy air base construction in Alaska, 1940, in relation to the need for national defense of Alaska. *Copy seen:* DLC.

7096. HILSCHER, HERBERT HENRY, 1902- . The vision of Utopia revised at Matanuska. (Alaska life, Dec. 1938. v. 1 no. 11, p. 6-7, 14-15, 19, illus.)

Discussion and report of interviews with farmers concerning the financial and marketing agreements under government contract in the Matanuska Valley Project. *Copy seen:* DLC.

7097. HILSCHER, HERBERT HENRY, 1902- , and W. H. HODGE. Gangway for highways. Anchorage-Seward, by H. H. Hilscher, Cordova-Fairbanks, by W. H. Hodge. (Alaska life, Jan. 1941. v. 4, no. 1, p. 4-5, 10-11, 20-23, 2 sketch maps)

Discussion of advantages, costs, and need for highways to replace (1) the Alaska Railroad from Seward to Portage Creek, and (2) the Copper River & Northwestern Railroad, from Cordova to Kennecott, abandoned in Apr. 1939.

Copy seen: DLC.

7098. HILTON, WILLIAM A. Pantopoda. Pantopoda chiefly from the Pa-

cific. (Journal of entomology and zoology, Mar.-June 1942, v. 34, p. 3-7, 38-41)

Of the thirty-five species of sea spiders here described, fifteen (including thirteen new) species, were found in Aleutian waters, Bering Sea, the Gulf of Alaska, and North Alaskan waters.

Copy seen: DSI-M.

7099. HILTON, WILLIAM A. Pycnogonids from the Pacific. (Journal of entomology and zoology. Sept. 1942. v. 34, p. 71-74)

Of the sixteen species of sea spiders here described, two are from the waters of Southeast Alaska.

Copy seen: DSI-M.

7100. HIMMELSTRUP, OLAV. Bestraebelser for at forbedre grønlaendernes boliger. (Grønlandske selskab. Aarskrift, 1948. p. 94-97) *Title tr.:* Attempts to improve the housing facilities of the Greenlanders.

Notes government sponsored improvements since 1834; government building aid and loans; discusses wooden and sod houses, various designs for model houses, etc. *Copy seen:* NN.

HINCKLEY, F. C., see Spurr, J. E. Reconnaissance in southwest Alaska, 1898. 1900.

7101. HINCKS, THOMAS, 1818-1899. Note on lists of arctic Hydroida and Polyzoa published in the "Annals" for February 1874 and January 1877. (Annals and magazine of natural history, July 1877. Ser. 4, v. 20, p. 66-67)

A correction of locality of the species listed previously from Iceland, which were actually dredged by Dr. G. C. Wallich off Fredrikshaab, Davis Strait, in 100 fathoms, on the cruise of the *Bulldog*, 1860. *Copy seen:* DSI-M.

7102. HINCKS, THOMAS, 1818-1899. On deep-water Hydroida from Iceland. (Annals and magazine of natural history, Feb. 1874. Ser. 4, v. 13, p. 146-53, 3 plates)

List, with descriptions, of sixteen (including four new) species, from Dr. G. C. Wallich's cruise in the *Bulldog*, 1860. The specimens were dredged "off Fredrikshaab, Davis Strait in 100 fathoms", not off Iceland, according to the author's *Note on lists of arctic Hydroida*, 1877, q.v.

Copy seen: DSI-M.

7103. HINCKS, THOMAS, 1818-1899. On new Hydroids and Polyzoa from Barents Sea. (Annals and magazine of natural history, Oct. 1880. Ser. 5, v. 6, p. 277-86, plate)

Detailed descriptions of one new hydroid and seven new bryozoan species, collected by the Dutch expeditions in the *Willem Barents*, 1878-79.

Copy seen: DSI-M.

7104. HINCKS, THOMAS, 1818-1899. On Polyzoa from Iceland and Labrador. (Annals and magazine of natural history, Jan. 1877. Ser. 4, v. 19, p. 97-112, 2 plates)

List, with localities and arctic distribution, of thirty-two (including, with descriptions, four new) species from Davis Strait off Frederikshaab, and sixteen (including one new) species from Hamilton Inlet, collected by Dr. Wallich, 1860, in the *Bulldog*, with some incorrectly labeled from Icelandic waters.

Copy seen: DSI-M.

7105. HIND, HENRY YOULE, 1823-1908. Explorations in the interior of the Labrador Peninsula, the country of the Montagnais and Nasquapee Indians. London, Longman, Green Longman, Roberts, & Green, 1863. 2 v. (xv [1] 351 p., xiii p., 1 l., 304 p.) col. front., illus., plates (part col.) 2 maps (1 fold.)

The expedition of 1861 here described, covered the Moisie River basin, for the most part south of the 52°N. parallel.

Contains, in v. 1, a narrative of the journey, with description of the country and the Indians. v. 2, includes chapters on history and geographical description of Labrador and northern Quebec, the Indians and Eskimos, and the missions; with an index.

Copy seen: DLC; NNSf.

7106. HIND, HENRY YOULE, 1823-1908. The mechanical effect of arctic ice in producing ocean currents. (Canadian naturalist, 1878. New ser., v. 8, p. 417-24)

A discussion of how the ice formed in the arctic regions can affect the tides and currents, with estimates of total amounts of ice formed and descriptions of various forms of ice.

Copy seen: DGS.

7107. HIND, HENRY YOULE, 1823-1908. Notes on some geological features of the northeastern coast of Labrador.

(Canadian naturalist, 1878. New ser., v. 8, p. 227-40, 262-78)

The area discussed extends from Sandwich Bay, 53°45'N. to Ukkasik-salik, 55°55'N.

Contents: Area description. Rock cleavages. Pan ice. Extent of pan ice work. Glacial striae and glacial clays. Icebergs. Formation of boulder clays. The marine climate. The crystalline limestones of the Laurentian series. Symmetrical structure of the strata. Concretionary structure. Boulders and outliers Upper Laurentian or Labrador series. Permanent snow drifts. Influence of wind on composition of drifts. Mechanical effects produced by snow drifts. Amount of snow fall in north-eastern America. Direction and force of winds. Influence of snow drifts as geological agents. *Copy seen:* DGS.

HIND, HENRY YOULE, 1823-1908, *see also* Canada. Dept. of the Interior. Navigation Hudson's Bay. 1878.

7108. HINDE, GEORGE JENNINGS, 1839-1918. On the chert and siliceous schists of the Permo-Carboniferous strata of Spitzbergen, and on the characters of the sponges therefrom, which have been described by Dr. E. von Dunikowski. (Geological magazine, June 1888. New ser., decade 3, v. 5, p. 24-51, plate)

Contains a sketch of the stratigraphic division of the series of rocks in the west and southwest shores of West Spitzbergen, based on specimens from the Swedish Geological Expedition, 1882, and a discussion of the fossil sponges.

Copy seen: DGS.

7109. HINE, JAMES STEWART, 1866-. Birds of the Katmai region. (Ohio journal of science, June 1919. v. 19, p. 475-86, illus., 2 plates)

Scientific results of the Katmai Expeditions of the National Geographic Society, no. 10, reprinted by the Society in 1920.

Contains notes on the more common birds of Alaska, and a list, with notes on habits, of thirty-seven species, collected near the mouth of Katmai River and vicinity.

Copy seen: DGS.

HINES, BOB, *see* Dufresne, F. Alaska's animals & fishes. 1946.

7110. HINES, JOHN CHESTERFIELD, 1877-. Minstrel of the Yukon, an

Alaskan adventure. New York, Greenberg [1948] vi, 231 p.

Story of the Gold Rush days in Nome. **Copy seen:** DLC; NNSTef.

HINGSTON, R. G. W., *see* Jackson, A. R. Results of Oxford Univ. Exped. Greenland 1928. Araneae & Opiliones. 1930.

7111. HINKS, ARTHUR R. The Labrador boundary, by A. R. H. (Geographical journal, July 1927. v. 70, p. 38-43, sketch map)

Contains discussion (by A. R. Hinks, secretary of the Royal Geographical Society) on the report on the Labrador boundary case by the Judicial Committee of the Privy Council. Includes presentation in brief form, of the statutes, orders in council, proclamations, etc., set before the Committee as bases of decision. **Copy seen:** DLC.

7112. HINKS, ARTHUR R. Notes on determination of position near the Poles. (Geographical journal, Mar. 1910. v. 35, p. 299-312)

Paper, read before the Research Dept. of the Royal Geographical Society on (1) the instruments and methods, (2) chronometers and watches, and (3) the reduction of the observations (p. 299-303); followed by remarks from the floor (p. 303-312).

Copy seen: DLC.

7113. HINKS, DAVID CHARLES CECIL, d. 1942. The fishes of Manitoba. [Winnipeg] Dept. of Mines and Natural Resources, Province of Manitoba, 1943. x, 102 p. incl. 80 figs., 5 sketch maps.

Contains notes on body structure and function of fishes in general, a key to several hundred species occurring in Manitoba and remarks on distribution, abundance, food, growth, breeding, etc. with an index and a bibliography (24 items).

Copy seen: DF.

7114. HINTIKKA, T. J. Révision des myxogastres de Finland. Helsingfors, 1919. 43 p. (Societas pro fauna et flora fennica. Acta, v. 46, no. 9) **Title tr.:** Revision of the myxogasters of Finland.

Contains a systematic enumeration of about one hundred species of slime molds (myxogasters) of Finland, including a few native to Swedish and Finnish Lapland and Kola Peninsula.

Copy seen: MH-A.

HINZ, JOHN, *see* Schmitt, A., & J. Hinz. Untersuchungen z. Geschichte d. Schrift. 1940.

HINZPETER, MAX, *see* Hamburg. Deutsche Seewarte. Wetterbeobachtungen 1932/33 Fischdampfern. 1939.

7115. HIRN, KARL E. Die finländischen Zygnemacéen. Helsingfors, 1895. 15 p. plate. (Societas pro fauna et flora fennica. Acta, 1894-95, pub. 1895. v. 11, no. 10) **Title tr.:** Zygnemaceae of Finland.

Contains a systematic enumeration of forty-one species of fresh-water green algae (Chlorophyceae) of family Zygnemaceae; with detailed data on distribution in Finland, including arctic regions; *Spirogyra kuusamoensis* is described as new. Bibliography (27 items).

Copy seen: MH-A.

7116. HIRN, KARL E. Växtfynd i Kuusamo. (Societas pro fauna et flora fennica. Meddelanden, 1894. Häfte 20, p. 7-9) **Title tr.:** Plant discoveries in Kuusamo.

Contains floristic notes on seventeen species of various plants from the Kuusamo region, some extending to northern regions.

Copy seen: MH-A.

7117. HIRN, KARL E. Verzeichnis finländischer Oedogoniaceén. Helsingfors, 1895. 23 p. plate. (Societas pro fauna et flora fennica. Acta, 1894-95. v. 11, no. 6) **Title tr.:** List of Finnish Oedogoniaceae.

Contains a list of fifty-eight species of confervoid algae of family Oedogoniaceae, based on various collections of Finnish botanists, including five from Finnish Lapland and one from Kola Peninsula; *O. loriatum* from Kuusamo is described as new to science.

Copy seen: MH-A.

7118. HISINGER, EDUARD. Några ord om de i Skandinavien förekommande formerna af granen (*Picea excelsa*). (Botaniska notiser, 1867, no. 2-3, p. 49-56, plate) **Title tr.:** A few words on the forms of the spruce *Picea excelsa* occurring in Scandinavia.

Contains critical notes on various forms of spruce, *Picea excelsa*, occurring in Scandinavia, its synonymy, distribution and northern limits: Finnmark, Norway, 69°30'N.; Finnish Lapland, 68°N.; Swedish Lapland, 68°

40°-69°N. This discussion is followed by some critical comments of the editor, T. M. Fries, *Tillägg till föregående uppsats* (A supplement to the above article), p. 54-56.

Copy seen: MH-A.

7119. THE HISTORY OF THE HUDSON'S BAY COMPANY. (Polar record, Jan. 1935, No. 9, p. 54-60)

Brief sketch of the founding, administrative changes and explorations of the company.

Copy seen: DLC.

7120. HITCHCOCK, ALBERT SPEAR, 1865-1935. *Agrostis* genus novis speciebus Americae septentrionalis auctum. (Repertorium specierum novarum regni vegetabilis, 1908. Bd. 5, no. 99-104, p. 356-59) *Title tr.:* Some new North American species of the genus *Agrostis*.

Contains Latin diagnoses of the grasses *Agrostis* (*Euagrostis*) *hiemalis* subsp. *geminata* n. subsp. from Unalaska and *A. melaleuca* from Alaska.

Copy seen: MH-A.

7121. HITCHCOCK, ALBERT SPEAR, 1865-1935. Collecting grasses in Newfoundland and Labrador. (Smithsonian Institution. Explorations and fieldwork of the Smithsonian Institution in 1928, pub. 1929. Pub. no. 3011. p. 123-28, illus.)

Brief account of a trip to collect grasses in Newfoundland and Labrador (Cartwright, Battle Harbour, Hope-dale and Nain).

Copy seen: DLC.

7122. HITCHCOCK, ALBERT SPEAR, 1865-1935. North American species of *Agrostis*. Washington, Govt. Print. Off., 1905. 68 p. plates 1-37. (U. S. Dept. of Agriculture, Bureau of Plant Industry. Bulletin. No. 68)

Contains data on taxonomy, nomenclature and history of the genus *Agrostis* (Gramineae), keys to the species of this grass and an enumeration of North American species, including some native to arctic regions. Descriptions of new species also published in the author's *Agrostis genus novis speciebus*, 1908, q.v.

Copy seen: MH-A.

7123. HITCHCOCK, CHARLES B. Echo sounding records. (In: Boyd, L. A. Fiord region of East Greenland. 1935, p. 300-312, 3 plates) Results of Louise A. Boyd Expedition to East Greenland, 1933.

Contains soundings to determine the character of the fiord bottoms, with

profiles constructed for Franz Joseph Fiord and branches, Sofia Sound, Vega Sound, King Oscar Fiord, Narwhal Sound, Kempe Fiord, and Antarctic Sound; bathymetric record across Greenland Sea combined with other records to construct profiles of the continental shelf.

Copy seen: DLC.

HITCHCOCK, CHARLES B., *see also* Forbes, A., & others. Flight to Cape Chidley. 1936.

7124. HITCHCOCK, HAROLD B. Hoary bat, *Lasiurus cinereus*, at Southampton Island, N. W. T. (Canadian field naturalist, Apr.-May, 1943. v. 57, p. 86)

First record of this species north of the wooded zone.

Copy seen: DLC.

7125. HITCHCOCK, MARY E. Two women in the Klondike; the story of a journey to the gold-fields of Alaska. New York and London, G. P. Putnam's Sons, 1899. xiv p., 1 l., 485 p. front., illus., fold map (in pocket).

The author traveled in the summer of 1898 to Dawson via the Yukon River, and returned via Skagway and Sitka. She describes the river valley and its people; the Gold Rush activities in Dawson, Skagway Pass, etc.; with index.

Copy seen: DLC; NNS (map lacking).

HITTLE, JEAN E., *see* Woods, K. B., & others. Correlation between permafrost & soils. 1948.

HITTLE, JEAN E., *see also* Woods, K. B., & others. Use aerial photographs permafrost & soils. 1948.

7126. HIXSON, WILLIAM EDWARD, 1912-. What's holding back Alaskan aviation? (Alaska life, Dec. 1948. v. 11, no. 12, p. 6-7, 10, illus.)

The supervisor of the Alaska Aeronautics and Communications Commission discusses the problem of inadequate airfields in Alaska and makes suggestions for future action on the part of the Territorial legislature and others.

Copy seen: DLC.

7127. HJELMQVIST, HÅKON. The flax weeds and the origin of cultivated flax. (Botaniska notiser, 1950, häfte 2, p. 257-98, illus., text maps)

Contains a study of the origin, migration, relative age and geographic distribution of various flax weeds and

the still unsettled question of the origin of cultivated flax; includes *Lolium remotum*, a weed occurring in northern Norway and Swedish Lapland.

Copy seen: MH-A.

7128. HJELMQVIST, HAKON, and ELSA NYHOLM. Några anatomiska artkaraktärer inom *Carex*-gruppen *Distigmaticae*. (Botaniska notiser, 1947, häfte 1, p. 1-31, illus.) *Title tr.*: Some anatomical species characteristics in the Scandinavian Carices *Distigmaticae*.

Contains a study of leaf anatomy in the critical group *Distigmaticae* of the genus *Carex* in Scandinavia, based partly on material from Swedish Lapland, and a discussion of its importance for determination and taxonomy.

Copy seen: MH-A.

7129. HJELT, HJALMAR. Kännedom om växternas utbredning i Finland med särskildt afseende å fanerogamer och ormbunkar. Helsingfors, 1891. 152 p. fold. tables, (Societas pro fauna et flora fennica. Acta, 1892, pub. 1891. v. 5, pars 1a) *Title tr.*: Information on the phytogeography of Finland with emphasis on phanerogams and ferns.

Contains a study of plant distribution in Finland (especially phanerogams and ferns), with a systematic list of over one thousand species and tabulated statistical data on distribution in 29 geobotanical regions, including Finnish and Russian Lapland; bibliographical footnotes.

Copy seen: MH-A.

7130. HJELT, HJALMAR, and R. HULT. Vegetationen och floran i en del af Kemi Lappmark och Norra Osterbotten. Helsingfors, 1885. 158 p. (Societas pro fauna et flora fennica. Meddelanden. Häfte 12) *Title tr.*: Vegetation and flora of a part of Kemi Lappmark and North Osterbottnia.

Contains a study made by the authors in the summer of 1877, including a sketch of the journey, physical and geographical survey of the region (66°-67°N. in Finland), a study of plant formations and elements of the flora, botanico-statistical data and a systematic enumeration of over three hundred fifty plant species. *Copy seen:* MH-A.

7131. HJORT, JOHAN, 1869-1948. Forschungsfahrten auf nördischen Meeren. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1904. p. 484-97)

Contains a discussion of the general oceanographic conditions in the seas between Norway, Greenland and West Spitsbergen as they affect the fisheries, especially in the Norwegian area.

Copy seen: DLC.

7132. HJORT, JOHAN, 1869-1948, and others. Oversigt over Norsk fiskeri- og havforskning 1900-1908. Review of Norwegian fishery- and marine investigations 1900-1908. Bergen, J. Grieg, 1909. 204 p. 18 plates (diags.) (Norway. Fiskeridirektoratet. Skrifter: ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 2, no. 1) *Other authors:* B. Helland-Hansen, A. Apellöf, D. Damas, E. Koefoed, Knut Dahl, Oscar Sund, and T. Iversen. Text in Norwegian and English.

The work undertaken during the years mentioned, (with the *Michael Sars*, also fishing boats) was mostly in the coastal waters of Norway. Cruises in 1900 and 1904 included waters between Norway, Bear Island, Jan Mayen, and Iceland. This report contains a full description of the research vessel, *Michael Sars*, and her equipment; and reviews of the research on hydrography, bottom fauna, plankton, and the spawning, eggs, age, growth and fluctuation of (commercial) fishes.

Copy seen: DF.

7133. HJORT, JOHAN, 1869-1948. Zur Anatomie und Entwicklungsgeschichte einer in Fleisch von Fischen schmarotzenden Crustacée (*Sarcotaces arcticus* Collett.) Kristiania, Jacob Dybwad, 1895. 14 p. 2 plates (Norske videnskapsakademi. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1895, no. 2) *Title tr.*: The anatomy and life development of a crustacean (*Sarcotaces arcticus* Collett.) parasitic in the flesh of fishes.

Discussion of specimens from various stations off northern Norway and of parasitism in fishes.

Copy seen: DLC.

7134. HJORT, JOHAN, 1869-1948, and H. H. GRAN. Currents and pelagic life in the northern ocean. Bergen, J. Grieg, 1899. 1 p. 1., 22 [1] p. illus., 28 p. of tables (part fold.) 7 plates (4 double-face diags., 3 charts). (Bergen. Museum. Skrifter. Nr. 6)

"Report on Norwegian marine investigation 1895-97." The waters of

the Norwegian coast are studied in great detail, with inclusion of data and discussion on the Greenland Sea north of Norway and between Iceland and Norway. Covers hydrographic conditions and the periodic influence upon them of the Gulf Stream, Arctic Current and the continent of Norway; and the kinds and annual periodicity in occurrence of the phytoplankton.

Copy seen: DLC.

7135. HJORT, JOHAN, 1869-1948, and J. T. RUUD. Whaling and fishing in the North Atlantic. (International Council for the Study of the Sea. *Rapports et procès-verbaux*, 1929. v. 56, p. 1-123, illus. diags.)

Contents include: Introduction (p. 5-11) a summary of the currents and water masses of the Greenland Sea and Baffin Bay-Davis Strait waters.

Chap. 1. The Greenland waters (p. 11-37). Brief remarks on the history of whaling and fishing off the west coast, the fishery investigations, and Danish commercial fishing efforts 1924-28, including the *Michael Sars* expedition, 1924, and a whaling expedition carried out simultaneously. Discussion (in brief) of the currents, temperature and plankton of the waters across Davis Strait at about 66°N.

Chap. 3. Problems and conclusions (p. 75-84). A. Plankton communities. 1. Waters covered by floating ice (Greenland Sea). *Copy seen:* DF.

7136. HJORT, JOHAN, 1869-1948, and N. S. KNIPOVICH, eds. Bericht ueber die Lebensverhaeltnisse und den Fang der nordischen Seehunde. Copenhagen, A. F. Høst & Fils, 1907. 125 p. illus., 12 plates (incl. 3 double-face charts) tables. (International Council for the Study of the Sea. (*Rapports et procès-verbaux*, v. 8) *Title tr.*: Report on the natural history and fishery of the northern seals.

The report of the International Council's Committee, appointed in 1903 to work out the (1) principal biological data, (2) the influence of migrations of seals on the fisheries, (3) the present position of the seal-fishery and its economic importance to Norway and Russia, and (4) eventual conclusions regarding deliberate extermination of the seals.

Contents tr.: Wollibaek, A. Norway: On the biology of the seal and seal fishery in the European Arctic Ocean.

2. Knipovich, N. S. Russia: On the biology of the seal and seal fishery in the European Arctic Ocean according to Russian sources.

Appendices: A. Extracts of journals of Norwegian seal hunting ships, 1873-1906. B. Statistical tables. (Catches in arctic seas and Denmark Strait, of seals and walrus, from (variously) 1821-1905). Summary in English, p. 108-256. *Copy seen:* DF.

HJORT, JOHAN, 1869-1948, *see also* Berlin. Universität. Institut für Meereskunde. Polarbuch. 1933.

7137. HJORT, V. La longitude de Godthaab déterminées d'après les observations de MM. Falbe, Bluhme et Ryder. [Copenhagen, 1886] p. 1, 4 p. (International Polar Year. 1st, 1882-1883. Expédition danoise. Observations faites à Godthaab. T. 2, livr. I, 3) *Title tr.*: The longitude of Godthaab determined from observations of Falbe, Bluhme and Ryder.

The series of observations, by the first two Danish naval officers, was made in 1863 at Kajartalik, while Lt. C. Ryder's observations were from Godthaab (64°11'N. 51°43'W.) 1882-83.

Copy seen: DLC.

HJORT, V., *see also* Amtrup, G. C., & others. *Observ. astron. météorol. et magnétiques de Tasiusak 1898-99. 1904.*

7138. HJORTLUND, S. Lidt om hajkød. (Gronlandske selskab. Aarskrift, 1917. p. 47-60, diags.) *Title tr.*: Something about shark meat.

Describes shark meat poisoning; bacteriological and microscopic tests; analyzes influence of temperature and seasons on poisons; notes importance of hunting shark and value of products.

Copy seen: NN.

7139. HOARE, J. DOUGLAS. Arctic exploration. London, Methuen, 1906. viii, 314 p., 1 l., 18 plates (incl. front.) 4 maps (2 fold.)

Contains chapters on voyages, land journeys, (and Andrée's balloon flight), from earliest times to 1900; with an index. *Copy seen:* DLC; NNStef.

7140. HOARE, WILLIAM H. B., d. 1948. Report of investigations affecting Eskimo and wildlife, District of Mackenzie 1924-1925-1926. [Ottawa, 1926?] 3 p. l., 16, 44 l. illus., with mounted

photographs. 2 fold. maps. Mimeographed. Issued by the Canadian Dept. of the Interior, Northwest Territories and Yukon Branch.

The author, as special investigator, spent the season of 1924-25 in Bernard Harbour, Mackenzie Point, Coppermine River region, and 1925-26 in the Bathurst Inlet region, studying the needs and food supply of the natives with reference to caribou, and the migration routes, food and pasturage of the caribou; and educating the natives in conservation and protection of the caribou. He recommends the shifting of trading posts away from areas of caribou destruction, the encouragement of more fishing by the Copper Eskimos and the discontinuance of their spring caribou hunts. *Copy seen:* CaMAL.

7141. HOARE, WILLIAM H. B., d. 1948. Sanctuary. (Beaver, June 1939. Outfit 270, no. 1, p. 38-41, illus.)

Facts concerning the musk ox and a note on the Thelon Game Sanctuary.

Copy seen: DSI-M.

HOARE, WILLIAM H. B. d. 1948, *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Conserving Canada's musk-oxen. 1930.

7142. HOBBS, WILLIAM HERBERT, 1864- . An arctic airplane route between America and Europe. (Arktis, 1929. Jahrg. 2, p. 15-17, sketch map)

Discussion (in brief) of the great circle route from Chicago to Scandinavia and its flight conditions.

Copy seen: DLC; NNStef.

7143. HOBBS, WILLIAM HERBERT, 1864- . Characteristics of the inland-ice of the arctic regions. (American Philosophical Society. Proceedings, 1910. v. 49, p. 57-129, illus., 5 plates)

Contents: The arctic glacier type. Physiography of the continental glacier of Greenland. Nourishment of the Greenland inland-ice. Depletion of the Greenland ice from surface melting. Discharge of bergs from the ice front.

Includes descriptions (in brief) of the inland ice of Franz Josef Land, West Spitsbergen, Northeast Land, and other regions. *Copy seen:* DLC.

7144. HOBBS, WILLIAM HERBERT, 1864- . The climate of the Arctic as viewed by the explorer and meteorologist. (Science, Aug. 27, 1948. v. 108, p. 193-201)

Discusses results of the contrasted methods of investigation used by explorer and meteorologist in (1) the Arctic Basin, and (2) the inland ice of Greenland. Remarks on future techniques in reporting weather; bibliography (33 items). *Copy seen:* DLC.

7145. HOBBS, WILLIAM HERBERT, 1864- . Conditions of exceptional visibility within high latitudes, particularly as a result of superior mirage. (Association of American Geographers. Annals, 1937. v. 27, p. 229-40, illus.)

Discussion of recent meteorological work in explaining the phenomena, with references to both arctic and antarctic literature. *Copy seen:* DLC.

7146. HOBBS, WILLIAM HERBERT, 1864- . The defense of Greenland. (Association of American Geographers. Annals, 1941. v. 31, p. 95-104, illus., plate)

Discussion of the physical characteristics and potential bases.

Copy seen: DLC.

7147. HOBBS, WILLIAM HERBERT, 1864- . Discovery and exploration within the area to the west of the Kane Basin. (Geographical Society of Philadelphia. Bulletin, Apr. 1937. v. 35, p. 26-30, 4 sketch maps)

Occasioned by a misstatement in reports of the Oxford University Ellesmere Land Expedition, 1935, concerning the early surveying and naming of features of that island. The author reviews and clarifies the results of Peary's and O. Sverdrup's explorations in the region of Bache Peninsula.

Copy seen: DGS.

7148. HOBBS, WILLIAM HERBERT, 1864- . The early attempted flights to Europe over Greenland. (United States Naval Institute. Proceedings, Jan. 1949. v. 75, p. 39-45, illus.)

Account of the preparations for the Hassell-Cramer flight, 1928, and services rendered after its crash near Søndre Strømfjord, West Greenland, by members of the University of Michigan Greenland Expedition; also mention of later flights, 1929, 1931 and 1941. *Copy seen:* DLC; DN-HO.

7149. HOBBS, WILLIAM HERBERT, 1864- . Evolution in the travel technique of polar exploration. (*In:* Zbiór prac poświęcony przez Towarzystwo

Geograficzne we Lwowie Eugenjuszowi Romerowi w 48 - lecie jego twórczości naukowej. Lwów, 1934. p. 79-104, illus.)

(In: Collection of works dedicated by the Geographical Society of Lwów to Eugenjusz Romer on the 48th anniversary of his scientific contributions.)

Review (in brief) of natural conditions to be met at the Poles by explorers, the navigation of pack ice, wintering base, dogs vs. ponies as draft animals, types of sledges, supporting parties, clothing, shelter, cooking en route, motor sledges, airplanes, airships, and submarine; with a bibliography (59 items).

Copy seen: CtY; NNNStef.

7150. HOBBS, WILLIAM HERBERT, 1864- . Exploring about the North Pole of the winds. New York, London, G. P. Putnam's Sons, 1930. viii, 376 p. front., illus. (incl. maps, plan) 23 plates, ports. maps on lining-papers.

Contains an account (by the leader) of the University of Michigan Greenland Expeditions 1926-1928, including the trips on the inland ice. Describes (in general) the work on upper air research, and the rescue of Hassell and Cramer, the Rockford fliers.

Copy seen: DLC.

7151. HOBBS, WILLIAM HERBERT, 1864- . The First Greenland Expedition of the University of Michigan. (Geographical review, Jan. 1927. v. 17, p. 1-35, illus. (maps) fold. plate)

Narrative of the journey to the inland ice from Maligiak Fiord, Holsteinsborg District, northeastward to Otto Nordenskiöld Glacier, beyond Lake Kardligssuit. Includes discussion of glaciology, anticyclones and Greenland winds, geomorphology as related to glaciation, meteorological results and climate, the topographic survey, geological and tidal studies.

Copy seen: DLC.

7152. HOBBS, WILLIAM HERBERT, 1864- . The glacial anticyclone and the continental glaciers of North America. (American Philosophical Society. Proceedings, 1943. v. 86, p. 368-402, illus., diags.)

Largely concerned with Pleistocene glaciation of the United States, but includes discussion of the Greenland icecap conditions, manner of nourishment, and winds.

Copy seen: DLC.

7153. HOBBS, WILLIAM HERBERT, 1864- . The glacial anticyclones; the poles of the atmospheric circulation. New York, London, Macmillan Co., 1926. xxiv, 198 p. illus. (incl. maps) 3 plates. (incl. col. front.) diags. (University of Michigan studies. Scientific series, v. 4) Introduction by Hugh Robert Mill.

History of polar wind observations, of exploration of the Greenland continent and continental glaciers; theory and data on relationship of inland ice and wind; atmospheric circulation over specific arctic areas; certain glacier shapes, and the "glacial anticyclone".

Copy seen: DLC.

7154. HOBBS, WILLIAM HERBERT, 1864- . Greenland, the advances of a decade (1921-1931). (Michigan Academy of Science, Arts and Letters. Papers, 1933. v. 18, p. 363-411)

A survey of the maps and publications in all fields of physical science, during the period, with a bibliography.

Copy seen: DLC.

7155. HOBBS, WILLIAM HERBERT, 1864- . Introduction. (In: Michigan University. Greenland Expeditions, 1926-1933. Reports, 1931. pt. 1, p. 1-37, 4 plates, diags.) Results of University of Michigan Greenland Expeditions, 1926-29.

Contains a statement of the objectives and personnel, description of the bases of the first three expeditions, and of the field work carried out; comparison of Greenland anticyclones with North Atlantic storms, and discussion of the pilot-balloon ascents in East Greenland.

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7156. HOBBS, WILLIAM HERBERT, 1864- . The January storms over the North Atlantic and the strophs of the Greenland anticyclone. (U. S. Weather Bureau. Monthly weather review, July 1926. v. 54, p. 286-88, diagr., tables)

Synoptic pressure distributions over area contiguous to Greenland and incident to the anticyclonic strophs of East Greenland are analyzed and charted.

Copy seen: DLC.

7157. HOBBS, WILLIAM HERBERT, 1864- . Loess, pebble bands, and boulders from glacial outwash of the Greenland continental glacier. (Journal of geology, May-June 1931. v. 39, p. 381-85)

Based on observations made, during the University of Michigan Greenland Expeditions, 1927-29, at Mt. Evans, near the head of Søndre Strømfjord, West Greenland. Contains a discussion of "the action of the glacial anticyclone upon the outwash deposit of its front", and the manner of deposition of the materials now collected in dunes. *Copy seen:* DGS.

7158. HOBBS, WILLIAM HERBERT, 1864- . Nourishment of the Greenland continental glacier. (Journal of geology, Mar. 1944. v. 52, p. 73-96, illus.)

Author's interpretation of the data from meteorological stations set up in the interior of Greenland, 1930-33, in support of his views on the path of cyclones around Greenland and on the source of nourishment for the icecap, with further remarks on the glacial anticyclone and the present-day recession of the glacier. *Copy seen:* DGS.

7159. HOBBS, WILLIAM HERBERT, 1864- . Observations of pilot-balloons near margin of Otto Nordenskjöld Glacier, July [i.e. August] 5 and 7, 1926. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1931. pt. 1, p. 243)

Contains a few data from the edge of the icecap, directly east of Holsteinsborg, West Greenland.

Copy seen: DLC.

7160. HOBBS, WILLIAM HERBERT, 1864- . Peary. New York, Macmillan Co., 1936. xv, 502 p. illus., 8 plates, incl. ports., 27 maps (2 fold.) diagrs. (1 fold.)

Detailed and thoroughly documented biography of Robert E. Peary, with interpolated information on Greenland, expedition equipment, meteorology, etc., by a veteran scientist-explorer of West Greenland. Chapters on Peary's training, government service and (particularly) his eight expeditions to the North Greenland region. Includes discussion of the icecap, its wind system, Cape York meteorites; Peary's assaults on the Pole (in detail); the Peary-Cook controversy.

Appendices (six) include list of Peary's publications (125 items); computations of geographic positions in vicinity of the Pole; record of some dog-sledge journeys over sea ice; medals, appreciations, etc.

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7161. HOBBS, WILLIAM HERBERT, 1864- . The progress of discovery and exploration within the arctic region. (Association of American Geographers. Annals, 1937. v. 27, p. 1-22, illus.)

Copy seen: DGS.

7162. HOBBS, WILLIAM HERBERT, 1864- . Rhythm in the Greenland glacial anticyclone. (American Geophysical Union. Transactions, 1944. v. 25, p. 491-94, illus.)

Discussion (with illustration) of a diagram prepared by Dr. Georgi, of the German Greenland Expedition under Alfred Wegener, 1929-31, which did not appear in the expedition reports, and which indicates an approach to periodicity; also diagrams based on results of British observations, 1930-31.

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7163. HOBBS, WILLIAM HERBERT, 1864- . The rôle of the glacial anticyclone in the air circulation of the globe. (American Philosophical Society. Proceedings, Aug. 1915. v. 54, p. 185-225, illus.)

Based on the author's study of results of polar exploration carried out by others in the Arctic and Antarctic. Discussion of the evidence for fixed glacial anticyclones above existing continental ice, their action of outward sweeping of surface snow, the sudden warming of air at the end of a blizzard, the Greenland foehn, the moist air and the clouds above the ice domes of Greenland, the evolution of the glacial blizzard and the foehn, and the theory of circumpolar whirls vs. the glacial anticyclone; the effect of the Greenland anticyclone upon migrating cyclonic depressions, and the fixed low pressure areas marginal to the Greenland inland ice. Concludes with remarks on the rôle of the glacial anticyclone of high latitudes in the general circulation.

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7164. HOBBS, WILLIAM HERBERT, 1864- . The University of Michigan Greenland Expedition of 1926-27. (Geographical review, Apr. 1926. v. 16, p. 256-63, illus., sketch map)

Statement of the purposes, plans, and personnel of, and special problems to be studied by the expedition.

Copy seen: DLC.

7165. HOBBS, WILLIAM HERBERT, 1864- . Visibility and the discovery of

polar lands. (*Geografiska annaler*, 1933. Årg. 15, p. 217-24, illus. incl. diags.)
Copy seen: DLC.

7166. HOBBS, WILLIAM HERBERT, 1864- , and RALPH L. BELKNAP. Errors in the synoptic weather-charts which cover the Greenland region. (American Geophysical Union. Transactions, 1944. v. 25, p. 482-90, illus.)

Discussion of the paths of cyclones approaching Greenland, the effect, of the glacial anticyclone upon them, and weather charts constructed later, based on data from several Greenland expeditions, 1931 and 1933.

Copy seen: DLC.

HOBBS, WILLIAM HERBERT, 1864- , see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung 1928. 1929.

HOBBS, WILLIAM HERBERT, 1864- , see also Michigan. University. Greenland Expeditions, 1926-1933. Reports. 1931-41.

7167. HOCKING, B., and others. A preliminary evaluation of some insecticides against immature stages of black-flies (Diptera: Simuliidae). (Scientific agriculture, Feb. 1949. v. 29, p. 69-85, illus., 5 plates, tables) Other authors: C. R. Twinn and W. C. McDuffie.

Report on a joint project of the Canadian Dept. of Agriculture Division of Entomology on behalf of the Canadian Defense Research Board and the U. S. Bureau of Entomology and Plant Quarantine on behalf of the U. S. Army Surgeon General, June-July 1947, at Churchill, Manitoba. Discusses results of two aerial applications and fourteen direct applications to streams, of DDT and four other insecticidal preparations. Bibliography (8 items).

Copy seen: DA.

HOCKING, B., see also Twinn, C. R., & others. Prelim. account biting flies Churchill. 1948.

7168. HODGE, FREDERICK WEBB, 1864- , editor. Handbook of American Indians north of Mexico. Washington, U. S. Govt. Print. Off., 1907-10. 2 v. (ix, 972 p.; iv, 1221 p.) illus. (incl. ports.) fold. map. (Smithsonian Institution. Bureau of American Ethnology. Bulletin 30)

A basic reference work begun in 1873 completed in 1910, embodying results of research till that time. Contains encyclopedic information on Indians (including those of northern Canada and Alaska), Eskimos and Aleuts; articles (by various authorities) on history, archeology, manners, customs, institutions, arts, industries, settlements, relations with government; brief descriptions of all linguistic stocks, tribal groups and divisions, with short biographies of notable individuals. Synonymy v. 2, p. 1021-1178; bibliography, v. 2, p. 1179-1221, also bibliographical references throughout the text.

Copy seen: DLC.

7169. HODGE, FREDERICK WEBB, 1864- , editor. Handbook of Indians of Canada. Published as an appendix to the Tenth report of the Geographic Board of Canada . . . Ottawa, Printed by C. H. Parmelee, 1913. x, 632 p. 3 fold. maps. (Supplement to the [Forty-fourth] annual report of the Dept. of Marine and Fisheries. [1911] Marine) Canada. Parliament, 1911-1912. Sessional paper 21a.

A selection from Hodge's *Handbook of American Indian north of Mexico*, 1907-10, q.v., of those portions relating to Indians of Canada; prepared for publication by James White, with typographical changes from American to English usage, and a few corrections of geographical and historical fact; with, also, the addition of new articles on treaties, Dept. of Indian Affairs, Indian reserves, etc. based on Canadian conditions, and with a specially prepared map.

Map: Aborigines of Canada, Alaska and Greenland, 1:12,500,000 compiled by James White, and embodying information resulting from V. Stefansson's work in northern Canada, 1908-12.

Copy seen: DLC.

7170. HODGE, WALTER H. What cost crabs? (Alaska life, Nov. 1940. v. 3, no. 11, p. 12-13, 21, illus.)

Analysis of costs in crab canning, especially in Cordova, Alaska region, and arguments for a protective tariff against Japanese competition.

Copy seen: DLC.

HODGE, WALTER H., see also Hilscher, H. H., & W. H. Hodge. Gangway for highways. 1941.

7171. HODGINS, THOMAS, 1828-1910. The Alaska Boundary Commission. (Canada law journal, Mar. 15, 1903. v. 39, p. 170-82)

Discussion of some of the American members of the commission, and the articles of the treaty-convention on the Canada-Alaska boundary dispute.

Copy seen: CaOAr (reprint); NNC.

7172. HODGINS, THOMAS, 1828-1910. The Alaska-Canada boundary dispute, under the Anglo-Russian treaty of 1825; the Russian-American Alaska treaty of 1867; and the Anglo-American conventions of 1892, 1894 and 1897. An historical and legal review . . . 2d ed. Toronto, 1903. 26 p. map.

A reprinting, with some addition, of the author's article *The Alaska-Canada boundary dispute* originally published in *Contemporary review*, 1902. v. 82, p. 190-206.

Copy seen: CaOAr.

7173. HODGSON, DUNCAN M. Ungava caribou. (Arctic circular, Aug. and Nov. 1948. v. 1, p. 69-70, 78) Mimeographed.

Brief note on plans, and report on expedition to George River, Sept. 1948, to collect pairs of the rare Ungava caribou for Canadian museums.

Copy seen: CaMAI.

7174. HOEBEL, E. ADAMSON. Lawways of the primitive Eskimos. (Journal of criminal law and criminology, Mar.-Apr. 1941. v. 31, p. 663-83)

Contains a documented analysis of the Eskimo's social organization: his property notions, leadership, including shamanism, legal homicide, homicide and sexual competition, criminal homicide, criminal sorcery and perfidy, evidence, regulated combat, and juridical song contests; bibliography (32 items).

Copy seen: DLC; NNS Stef.

7175. HØEG, OVE ARBO, 1898-. Blütenbiologische Beobachtungen aus Spitzbergen. Oslo, J. Dybwad, 1932. 22 p. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 16) *Title tr.*: Observations concerning the biology of flowers on Spitsbergen.

Notes made during the author's two visits to West Spitsbergen (1) in the Ice Fiord region and inner Wijde Bay (with Norwegian Spitsbergen Expedition in 1924), and (2) in the north-western part of the island, especially Ytre Norskøya (Vogt Spitsbergen-Ex-

pedition, 1928). He gives a list of the plants observed on Ytre Norskøya, and in Advent Valley, and the regions of Dickson Bay and West Fiord (Wijde Bay), with remarks on the insects associated with these places and discussion of pollination problems.

Copy seen: DGS.

7176. HØEG, OVE ARBO, 1898-. The corticolous Norwegian Pertusariaceae and Thelotremaeae. (Nytt magasin for naturvidenskapene, 1924. Bd. 61, p. 139-78, plate 3)

Contains a critical revision of twenty-two species (two new species and some forms) of epiphytic lichens of the families Pertusariaceae and Thelotremaeae, living on trees, with a key to the species, synonymy, descriptions and data on distribution in Norway, and hosts; includes some arctic species.

Copy seen: MH-Z.

7177. HØEG, OVE ARBO, 1898-. Cyanophyceae and bacteria in calcareous sediments in the interior of limestone caves in Nord-Rana, Norway. (Nytt magasin for naturvidenskapene, 1946. Bd. 85, p. 99-104, illus.)

Contains data on calcareous sediments in limestone caves in Nord-Rana, northern Norway, found to include some bacteria, probably short rods, and indeterminate species of the algal genus *Gloeocapsa* (Cyanophyceae).

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7178. HØEG, OVE ARBO, 1898-. The Downtonian and Devonian flora of Spitsbergen. Oslo, J. Dybwad, 1942. 228 p. illus. (incl. maps) 62 plates on 31 l. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 38)

Contains introductory remarks on the Devonian system of north, central West Spitsbergen, 78°40'-79°40'N. 12°-15°E., and on the expeditions, 1882-1928 which have collected the fossil plants described herein; detailed descriptions, arranged by region of thirty-two (including eleven new) species of fossil flora; a stratigraphical discussion; discussion of the classification of the Psilophytes and others; a diagnosis of new genera and species; and a bibliography (293 items).

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7179. HØEG, OVE ARBO, 1898-. The fossil wood from the Tertiary at Myggbukta, East Greenland. (Norsk geol-

ogisk tidsskrift, 1931. Bd. 12, p. 363-90, 8 plates) Reprinted as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse, 1932. Nr. 14.

Report on a study of specimens collected by the Norwegian Expedition to East Greenland, 1930; full descriptions of three species, of which two are new.

Copy seen: DGS.

7180. HØEG, OVE ARBO, 1898-. De fossile planter på Svalbard. (Polar-årboken, 1935. p. 125-30, illus.) **Title tr.:** The fossil plants of Svalbard.

Notes wealth and variety of fossil species, and importance of paleobotany in scientific investigations.

Copy seen: NN; NNA.

7181. HØEG, OVE ARBO, 1898-. Die Norwegischen *Nephroma*-Arten. (Nytt magasin for naturvidenskapene, 1922. Bd. 60, p. 85-97, illus. plate) **Title tr.:** Norwegian species of *Nephroma*.

Contains critical notes on five species of the lichen genus *Nephroma* distributed in Norway, including *N. arctica* of the northern regions.

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7182. HØEG, OVE ARBO, 1898-. Notes on some arctic fossil wood, with a redescription of *Cupressinozylon polyommatum*, Cramer. Oslo, J. Dybwad, 1932. 9 p. 3 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 17)

Description of samples from (1) Franz Josef Land (2) Jackson Island (East Greenland) and (3) locality unnamed.

Copy seen: DGS.

7183. HØEG, OVE ARBO, 1898-. Pollen on humble-bees from Novaya Zemlya. Kristiania, 1924. 18 p. illus., tables. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 27) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

Discussion of pollen from nineteen plant species.

Copy seen: DLC.

HØEG, OVE ARBO, 1898-. *see also* Iversen, T., & others. Hopen, Svalbard; reconnaissance, 1924. 1926.

7184. HÖFER von HEIMALT, HANS, 1843-1924. Graf Wilczek's Nordpolarfahrt im Jahre 1872. Mittheilungen, I-III. (Petermanns geographische Mittheilungen, 1874-75. Bd. 20, p. 219-28, 297-305; Bd. 21, p. 53-56; fold. map)

Title tr.: Count Wilczek's North Polar Expedition in the year 1872. Proceedings I-III. Reports by the geologist.

Contents tr.: 1. Contributions to the geography of southern Spitzbergen (including structure and glaciers in the region of Horn Sound).

2. The structure of Novaya Zemlya.

3. The glaciers of Novaya Zemlya. (Translation in English of this part was published in U. S. Hydrographic Office, *Papers on the eastern and northern extension of the Gulf Stream*, 1875. Suppl. 6, p. 9-12)

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HÖFER von HEIMALT, HANS, 1843-1924, *see also* Körber, G. W. Lichenen Spitzbergens u. Novaja-Semlja's. 1875.

7185. HÖGBOM, A. G. Nya bidrag till kännedom om de kvartære nivåförändringarne i norra Sverige. (Geologiska föreningen, Stockholm. Förhandlingar, 1904. Bd. 28, p. 469-92, fold. map) **Title tr.:** New contributions to the knowledge of Quaternary changes in level in northern Sweden.

Discussion, based on observations of old shore lines, of change of the level of northern Sweden during the ice age.

Copy seen: DLC.

7186. HÖGBOM, BERTIL, 1888-. Bidrag till Isfjordsområdets kvartärgeologi. (Geologiska föreningen, Stockholm. Förhandlingar, 1911, pub. 1912. Bd. 33, p. 32-57, illus. (maps) 2 plates) **Title tr.:** Contribution to the Quaternary geology of the Ice Fjord region.

Contains discussion of the region during the ice age, later glaciation of the fjords, and post-glacial conditions, with remarks on the evidences of glaciation and the structural soils. Summary in German, p. 55-57. **Copy seen:** DGS.

7187. HÖGBOM, BERTIL, 1888-. Einige illustrationen zu den geologischen Wirkungen des Frostes auf Spitzbergen. (Upsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1908-09, pub. 1910, v. 9, p. 41-59, illus.) **Title tr.:** Some illustrations of the geological work of frost on Spitzbergen.

Description of frost cracks, solifluction and "fossil ice," as observed during the Swedish expeditions, 1908-09.

Copy seen: DGS.

7188. HÖGBOM, BERTIL, 1888-. Om Spetsbergens Mytilustid. (Geologiska föreningen, Stockholm. Förhandlingar, 1913. Bd. 35, p. 151-56) *Title tr.*: On the *Mytilus* period of Spitsbergen.

Statement of the author's opinion, based on discussion of evidence, that the period was post-glacial.

Copy seen: DGS.

7189. HÖGBOM, BERTIL, 1888-. Über die geologische Bedeutung des Frostes. (Upsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1914. v. 12, p. 257-390, illus.) *Title tr.*: On the geological significance of frost.

Study of frozen ground, frost splitting as an agent of weathering and physiographic change, its resultant land forms, its influence on soils, polygon soils and solifluction; regional occurrence of recent and ancient frost action in arctic regions (and elsewhere); bibliography (140 items).

Copy seen: DGS; DLC.

7190. HÖGBOM, BERTIL, 1888-. Wüstenerscheinungen auf Spitzbergen. (Upsala. Universitet. Mineralogisk-geologiska institut. Bulletin, 1912. v. 11, p. 242-51, illus.) *Title tr.*: Desert-like occurrences on Spitsbergen.

Copy seen: DGS.

7191. HOEK, PAULUS PERONIUS CATO, 1851-. Die Crustaceen, gesammelt während der Fahrten des "Willem Barents" in den Jahren 1878 und 1879. [Leiden, etc., 1882] 75 p. 3 double-face plates. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 7. *Pub.* in: *Niederländisches Archiv für Zoologie. Supplement-Bd. I*) *Title tr.*: Crustacea, collected during the cruises of the *Willem Barents*, 1878-79.

Contains a list, with synonyms, references, descriptive notes, localities and depths, of seventy-three species (including one new isopod and three new amphipods) from Barents Sea; with a bibliography (32 items).

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7192. HOEK, PAULUS PERONIUS CATO, 1851-. The pycnogonids, dredged during the cruises of the "Willem Barents" in the years 1878 and 1879. [Leiden, etc., 1881] 28 p. 2 double-face plates. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 8, *Pub.* in: *Niederländ-*

isches Archiv für Zoologie. Supplement-Bd. I)

Contains a discussion and a table of all known arctic species and their distribution, and a list, with synonyms, references, descriptions, localities, and notes on range, of eight (including one new) species from Barents and Greenland Seas.

Copy seen: DSI-M.

7193. HOEL, ADOLF, 1879-. The coal deposits and coal mining of Svalbard (Spitsbergen and Bear Island). Oslo, J. Dybwad, 1925. 92 p. incl. tables, illus. (maps, diagrs.) 8 plates. (Norway, Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 6)

Contents: A. Situation, shipping conditions, history and exploration. B. 1. Geology. 2. Coal deposits. 3. Coal reserves. 4. History of coal mining. 5. Mining ordinance for Spitsbergen and Bear Island. 6. Coal mining and coal export. 7. Quality of the coal. 8. Markets and uses. Bibliography, p. 89-92.

Copy seen: DGS.

7194. HOEL, ADOLF, 1879-. The coal fields of Svalbard (Spitsbergen and Bear Island). (World Power Conference. 1st, London, 1924. Transactions, 1925. v. 1, p. 1008-1040, illus., fold. table, diagrs.)

Contains a concise, comprehensive presentation of the geology of the coal deposits, the results of analyses of the coal, and the market and uses. Includes tabular data on number of men employed by, and the exports (in tons) of, the important coal companies.

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7195. HOEL, ADOLF, 1879-. Coal mining in Svalbard. (Polar record, July 1938. No. 16, p. 74-85, plate, sketch map)

Contains mention of the geologic age of various coal fields, notes on national claims of land, a survey of mining companies and history of coal mining, notes on mining markets and uses, with tables of treaty properties, number of men employed, and exports of coal, as of 1937 or 1938.

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7196. HOEL, ADOLF, 1879-. The discovery of King Karl Land, Spitsbergen. (Geographical review, July 1935. v. 25, p. 476-78)

A review of the early exploration of the region and a translation of Capt. E. Eriksen's letter on the island's discovery in 1859.

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7197. HOEL, ADOLF, 1879- . Det eldste billede av norsk bebyggelse på Svalbard. (Norsk geografisk tidsskrift, 1934-35, pub. 1935. Bd. 5, p. 367-71, illus.) *Title tr.*: The oldest picture of a Norwegian dwelling on Spitsbergen.

Discussion of a recently discovered drawing by B. M. Keilhau, dated 1827, and depicting the first house built by Norwegians on West Spitsbergen in 1822; description of house and locality on Bear Island quoted from Keilhau's *Reise i Øst- og Vest-Finmarken samt til Beeren-Eiland og Spitsbergen, i aarene 1827 og 1828, 1831* (copies at Brown Univ. and Yale Univ.)

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7198. HOEL, ADOLF, 1879- . Géologie. Monaco, Impr. de Monaco, 1914. 2 p. l., 63 p., 29 l. 27 plates (part col., part fold. including maps, diagrs.) (Isachsen, G. I. *Exploration du nord-ouest du Spitsberg* [etc.] 3 ptie. Pub. as: Albert I, Prince of Monaco. *Résultats des campagnes scientifiques accomplies sur son yacht. Fasc. 42*) *Title tr.*: Geology. (Exploration of northwest Spitsbergen [etc.])

Based on research by H. Horneman in 1906, and by the author, 1907, in Haakon VII Land, (78°40'-79°40'N. 10°30'-14°30'E.), carried out as part of the Isachsen Expedition. Description of the Archaean terrain, Hecla-Hoek formation, Devonian, Carboniferous, Tertiary and Quaternary systems, and of the glaciers (the principal report on which appears in Isachsen, G. I. and A. Hoel, *Description du champ d'operation*, 1913, q.v.)

Copy seen: DLC.

7199. HOEL, ADOLF, 1879- . Geologiske iagttagelser paa Spitsbergenekspeditionerne 1906 og 1907, udrustede af fyrst Albert af Monaco og ledede af ritmester Isachsen. Foreløbig meddelelse. Kristiania, A. W. Brøgger, 1909. 27 p., 4 plates (incl. map) (Norsk geologisk tidsskrift. Bd. 1, nr. 4) *Title tr.*: Geological observations of the Spitsbergen Expeditions, 1906 and 1907, equipped by Prince Albert of Monaco and led by [G. I.] Isachsen. Preliminary report.

Report on work in the northwesternmost part of West Spitsbergen; remarks on the basement complex, the Hecla-Hoek and Liefde Bay forma-

tions; fossils found; shorelines; movement and ablation of glaciers.

Final geological reports from the expeditions were published in Isachsen, G. I. *Exploration du nord-ouest du Spitsberg*, 1912-14, pt. 3, q.v.

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7200. HOEL, ADOLF, 1879- . Gunnar Isachsen, (Norsk geografisk tidsskrift, 1940-41, pub. 1941. Bd. 8, p. 1-5, illus.) *Title tr.*: Gunnar Isachsen.

Notes the death of Major Gunnar Isachsen (1868-1939), his contributions to arctic exploration, and to astronomical, geographical, geodetic and hydrographic research, his writings on these subjects, and topographical work.

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7201. HOEL, ADOLF, 1879- . Isforholdene paa Spitsbergens vestkyst sommeren 1915. (Norske geografiske selskab. Aarbok, 1914-1916, pub. 1916. Bd. 26-27, p. 111-34, illus., maps) *Title tr.*: The state of the ice on the west coast of Spitsbergen during the summer of 1915.

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7202. HOEL, ADOLF, 1879- . Norske skib leiet av utenlandske ekspedisjoner til polartraktene. Polar-årboken, 1938. p. 19-27, illus.) *Title tr.*: Norwegian ships chartered by foreign arctic expeditions.

Notes ships of Norwegian registry, used by arctic explorers and expeditions from 1827.

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7203. HOEL, ADOLF, 1879- . The Norwegian Svalbard expeditions 1906-1926. Oslo, J. Dybwad, 1929. 104 p. incl. tables. illus. (maps, photos) 2 plates, fold. map. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 1) *Contains* a brief account of each expedition, p. 9-63.

Appendix: Lists of personnel and collaborators, literature, tables of vessels, instruments, stations, methods, results (including papers and maps published) and fiscal contributions of the surveys, p. 63-104.

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7204. HOEL, ADOLF, 1879- . Nouvelles observations sur le district volcanique du Spitsberg du Nord. Kristiania, J. Dybwad, 1914. 2 p. l., 33 p. illus., 13 plates (incl. fold. diagr.) 4 maps (3 col. fold.) (Norske videnskaps-akademi i Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1914. No. 9)

Includes the geology of the area to the west of Wood Bay, the lava beds, dikes, volcanoes and hot springs.

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7205. HOEL, ADOLF, 1879- . Observations sur la vitesse d'écoulement et sur l'ablation du Glacier Lilliehöök au Spitsberg 1907-1912. Kristiania, J. Dybwad, 1916. 29, [1] p. 4 plates (part fold.) 3 fold. maps. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1916. No. 4) *Title tr.:* Observations on speed of movement and on ablation of the Lilliehöök Glacier, Spitsbergen, 1907-1912. Issued also as: Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques, 1916. T. 2, no. 14.

Report on investigations begun by G. I. Isachsen during the Norwegian Expedition of 1907, and continued annually through the expedition led by Staxrud-Hoel in 1912. *Copy seen:* DLC.

7206. HOEL, ADOLF, 1879- . Om ordningen av de territoriale krav på Svalbard. (Norsk geografisk tidsskrift, 1928-29, pub. 1929. Bd. 2, p. 1-24, illus., sketch map) *Title tr.:* Settlement of territorial claims on Spitsbergen. Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 2.

Description of annexations of Spitsbergen by various nationals, 1898-1920, and attempts to settle sovereignty of the islands; discussion of the Svalbard Convention, 1920, which awarded the sovereignty to Norway; Norwegian settling of property rights and the final ceding of Spitsbergen to Norway, 1925.

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7207. HOEL, ADOLF, 1879- . Die Ortsnamen in Svalbard. Berlin, Borntraeger, 1942. p. l, 16 p. (Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. Reihe I: Arktis. Nr. 9) *Title tr.:* Place-names in Svalbard.

Discussion of the history, and method used in the compilation of the gazetteer of Svalbard, published by the Norges Svalbard- og Ishavs-undersøkelser, *The place-names of Svalbard*, 1942, q.v.

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7208. HOEL, ADOLF, 1879- . En slaedetur paa Spitsbergen under ritmester Isachsens ekspedition 1909. (Norske turistforening. Aarbok, 1912,

p. 1-33, illus., sketch maps) *Title tr.:* A sledge journey on Spitsbergen during Captain Isachsen's expedition, 1909.

Account of a trip to make geological investigation of northwestern West Spitsbergen from Lilliehöök Glacier to Red Bay; with descriptive remarks on Lilliehöök and other glaciers, and routes recommended for tourists.

Copy seen: DLC.

7209. HOEL, ADOLF, 1879- . Sovjetunionens arktiske institutt. (Norsk geografisk tidsskrift, 1930-31, pub. 1931. Bd. 3, p. 503-506) *Title tr.:* The Arctic Institute of the Soviet Union.

Description of the establishment, functions and publications of the Arctic Institute of the U.S.S.R.

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7210. HOEL, ADOLF, 1879- . Svalbardisbrytaren. (Polar-årboken, 1935. p. 48-53, illus.) *Title tr.:* The Svalbard ice-breaker.

Discusses problem of transporting coal from West Spitsbergen; recommends navigation aids, ice-breakers, etc.

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7211. HOEL, ADOLF, 1879- . Verket om stedsnavnene på Svalbard ferdig. (Polar-årboken, 1939. p. 61-71) *Title tr.:* The work on the place-names of Svalbard.

Notes multiple names given by successive explorers, and the work of the committee appointed in 1924 to make decisions on names to be used on Norwegian government maps recently executed.

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7212. HOEL, ADOLF, 1879- . Die Verwendung von Luftfahrzeugen bei der Erforschung der Polargebiete. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1938. p. 161-75) *Title tr.:* The application of aeronautics to the exploration of the polar regions.

Contains a discussion (in brief) of the conditions and uses of flight in the Arctic, and a summary of the flights from various countries into the Arctic.

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7213. HOEL, ADOLF, 1879- , and ANDERS K. ORVIN. Das Festungsprofil auf Spitzbergen Karbon-Kreide I, Vermessungsergebnisse. Oslo, J. Dybwad, 1937. 59 p. illus., 5 plates (part fold.) diagrs. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 18)

Title tr.: The Carboniferous-Cretaceous profile on Spitsbergen. 1. Results of measurements.

A description of the geological profile on the south side of the mouth of Ice Fiord, between Festningen and Cape Starotsin, and of its Cretaceous to upper Carboniferous formations, with a bibliography. **Copy seen:** DLC.

7214. HOEL, ADOLF, 1879- , and O. HOLTEDAHL. Les nappes de lave, les volcans et les sources thermales dans les environs de la Baie Wood au Spitsberg. Christiania, J. Dybwad, 1911. 37, [1] p. illus., 8 plates (photos.) 2 maps. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1911. No. 8) **Title tr.:** The lava deposits, the volcanoes and the thermal springs of Wood Bay region in Spitsbergen. Issued also as: Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques, 1916. T. 2, No. 1.

Based on observations made during the summer 1910, in the Bock Bay region (Wood Bay). Description of the igneous rocks, their chemical composition and occurrence in the region, the surface geology and evidence of volcanic action as shown by glacier moraines and physiography, the age of the volcano, and the hot springs.

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HOEL, ADOLF, 1879- , see also Brandal, A. Dagbok ført av A. Brandal overvintring Østgrønland 1908-9. 1930.

HOEL, ADOLF, 1879- , see also Hovdenak, G., & A. Hoel. Roald Amundsens siste ferd. 1934.

HOEL, ADOLF, 1879- , see also Ifft, G. N. Polar ice-drift & sun spots. 1922.

HOEL, ADOLF, 1879- , see also Isachsen, G. I., & A. Hoel. Description du champ d'operation. (Mission Isachsen 1906-07) 1913.

HOENSBROECH, L. von, see Jordans, A. v. Beitrag z. Kenntnis d. Vogelwelt. 1925.

7215. HÖRRING, RICHARD, 1875- . Birds. København, C. A. Reitzel, 1939. 44 p. illus. (Meddelelser om Grønland. Bd. 108, nr. 6)

Results of 6th and 7th Thule Expeditions to southeast Greenland, 1931-33. List, with synonyms, field notes, meas-

urements, and distribution especially between Cape Brewster and Lindenows Fiord, of twenty-nine species and subspecies of birds, based on collections made on the 7th Thule Expedition.

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7216. HÖRRING, RICHARD, 1875- , and others. Birds collected on the Fifth Thule expedition. [Copenhagen, Gylendal, 1937] 133, [1] p. fold. map. (Thule Expedition. 5th, 1921-24. Report. v. 2, no. 6)

List with descriptions and localities of birds collected in the vicinity of Bylot Island, Baffin Island, Melville Peninsula, Southampton Island and Barren Grounds; also a few collected from King William Island, Kent Peninsula, and Sledge Island, Bering Sea.

Appendices: 1. Bangsted, Helge. Notes from Vansittart Island. The summer of 1923, p. 124-28.

2. Bangsted, Helge. Bird life on Barren Grounds, p. 129-31.

3. Freuchen, P. Birds met with in the summer at Baker Lake, p. 132-33.

4. Freuchen, P. Species observed at Eskimo Point. **Copy seen:** DLC.

7217. HÖRRING, RICHARD, 1875- , and FINN SALOMONSEN. Further records of rare or new Greenland birds. (Miscellaneous notes on Greenland ornithology IV.) København, C. A. Reitzel, 1941. 86 p. illus. (Meddelelser om Grønland. Bd. 131, nr. 5)

Continuation of the list of records published in Salomonsen, F. *Some records on birds new or rare to Greenland*, 1935, bringing the records to the year 1941.

Full annotations on eighty-two species of which twenty-one are new to Greenland; with a bibliography (48 items). **Copy seen:** DSI-M.

7218. HOESSLY, HANS. Kraniologische Studien an einer Schädelserie aus Ostgrönland. (Ergebnisse der Schweizerische Grönlandexpedition, 1912-1913, Pt. V) Basel, Georg & Co., 1916. 1 p. l, 54 p. illus., 3 plates (Schweizerische Naturforschende Gesellschaft. Denkschriften. Bd. 53) **Title tr.:** Craniological studies on a series of skulls from East Greenland. Results of the Swiss Greenland Expedition, 1912-1913, Pt. 5.

Originally published separately as Abhandlung I of Ergebnisse; later designated as Pt. V. **Copy seen:** DLC.

HOESSLY, HANS, *see also* Quervain, A. de., & others. Gemeinsame Beobachtungen Westküste, Grönlandexped. 1912-13. 1920.

HØVER, JOHAN EINAR, 1889- , *see* Amundsen, R. E. G., & others. First crossing polar sea. 1927.

HØVER, JOHAN EINAR, 1889- , *see also* Amundsen, R. E. G., & others. Første flukt over Polhavet. 1926.

7219. HØYGAARD, ARNE, 1906- . Acute epidemic diseases among Eskimos in Angmagssalik. (Lancet, Jan. 28, 1939. v. 236, p. 245-46)

Discussion (based on observations of the Norwegian Medical Expedition in 1936-37) of unsanitary conditions as cause of infections in a number of different diseases; bibliography (9 items).

Copy seen: DLC; NNNStef.

7220. HØYGAARD, ARNE, 1906- . Eskimoenes mentalitet. (Polar-årboken, 1940. p. 77-83, illus.) *Title tr.:* The mentality of the Eskimos.

Discusses briefly the origin and characteristics of the Greenland Eskimos, and the upbringing of their children.

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7221. HØYGAARD, ARNE, 1906- . De hygieniske forhold i Angmagssalik, Østgrønland. (Grønlandske selskab. Aarskrift, 1938. p. 79-93, illus. tables) *Title tr.:* Hygienic conditions at Angmagssalik.

Account of the author's studies during the Norwegian Medical Expedition of 1936-37, among 756 East Greenland Eskimos; data on Danish influences in housing, lighting and heating, etc.; conditions in various settlements; European foods in relation to infectious diseases; tuberculosis; etc. Includes bibliography and statistics.

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7222. HØYGAARD, ARNE, 1906- . Some investigations into the physiology and nosology of Eskimos from Angmagssalik in Greenland; a preliminary statement. Oslo, J. Dybwad, 1937. 14 p. illus. (incl. map) (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 74)

A statement of the dietetic investigations, the examination of the natives and the laboratory tests made on East Greenland Eskimos during the Norwegian Medical Expedition, 1936-37.

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7223. HØYGAARD, ARNE, 1906- . Studies on the nutrition and physiopathology of Eskimos, undertaken at Angmagssalik, East-Greenland 1936-1937. Oslo, Jacob Dybwad, 1941. 176 p. 2 plates, tables. (Norske videnskapsakademi, Oslo. Skrifter. Matematisk-naturvidenskapelig klasse, 1940. No. 9)

Results of the Norwegian Medical Expedition, an investigation undertaken by the author's party of six, with headquarters at Tasisaq (about 65° 39'N. 37°35'W.), Aug. 1936-Aug. 1937.

Contains 1. Introductory account of this expedition, equipment, previous exploration of the region and its people. 2. Nutrition of Angmagssalik Eskimos; their fishing, hunting and dietary habits, food requirements, consumption, care, etc. (including poisonous foods p. 28-30). 3. Nutritional and physical condition: development, diseases, skeleton, teeth, etc., scurvy, visual acuity in dim light, fertility, hemoglobin. 4. Metabolism. Bibliography (about 200 items).

Supplement (p. 151-76): Tables of food consumption per family (indicating parts and amounts of various mammals, fishes, plants, etc., also imported food); composition of food, ascorbic acid, calorific value. Tables of physique, metabolism. *Copy seen:* DLC.

7224. HØYGAARD, ARNE, 1906- . Tuberculosis in Eskimos. (Lancet, Sept. 24, 1938. v. 235, p. 758-59)

Result of investigation in Angmagssalik during the winter of 1936-37, by the Norwegian Medical Expedition. Notes on variation of incidence of tuberculosis in a community and in outlying groups; on occurrence of haemoptysis; and on the dying out of tuberculosis in isolated localities.

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7225. HØYGAARD, ARNE, 1906- . Tuberkulosen hos eskimoer i Angmagssalik, Østgrønland. (Nordisk medicinsk tidsskrift. 1938. Bd. 16, p. 1647-56, fold table) *Title tr.:* Tuberculosis in the Eskimos of Angmagssalik, East Greenland.

Results of the Norwegian Medical Expedition of 1936-37. Detailed report on the incidence of the disease, on the differences in its attack on Eskimos, the lower incidence in isolated localities, and a possible relationship to famine conditions; bibliography (18 items). *Copy seen:* NNN; NNNStef.

7226. HØYGAARD, ARNE, 1906- , and H. W. RASMUSSEN. Vitamin C sources in Eskimos food. (Nature, June 3, 1939. v. 143, p. 943)

Brief report on the study of Angmagssalik Eskimos' nutrition carried out 1936-37; with a table showing vitamin C content in common food of the natives.

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7227. HØYGAARD, ARNE, 1906- , and MARTIN MEHREN. "Ajungilak," eller Grønland påtvers. Oslo, Gyldendal, 1931. 3 p. l., ix-xiii p., 1 l., 151 p., 1 l. illus., plates, ports., fold. map. *Title tr.:* "Ajungilak"; or, Across Greenland.

Narrative of the authors' crossing of the Greenland icecap from Umanak on the west coast to Franz Joseph Fiord on the east coast, July-Aug., 1931.

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7228. HØYGAARD, ARNE, 1906- , and MARTIN MEHREN. Tvers over Grønlands innlandsis. (Norsk geografisk tidsskrift, 1932-33, pub. 1933. Bd. 4, p. 1-14, illus., sketch map) *Title tr.:* Across Greenland's inland ice.

Summary account of the authors' sledge journey across Greenland from Umanak on the west coast to Franz Joseph Fiord; with remarks on scientific investigations, equipment, etc.

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HØYGAARD, ARNE, 1906- , see also Broch, O. J., & others. På ski over Spitsbergen. 1929.

HØYGAARD, ARNE, 1906- , see also Maurstad, A. Meteorol. Beobachtungen Grønland, 1931. 1932.

7229. HOFF, TH. Om tinstenens forekomst ved Ivikaet ved Arsut Fjord i Syd-Grønland. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1854, pub. 1855. p. 201-204, diagr.) *Title tr.:* On the occurrence of tin at Ivigut, Arsut Fiord, south Greenland. Discussion of the geology and associated mineral occurrences.

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7230. HOFFMAN, WALTER JAMES, 1846-1899. The graphic art of the Eskimos. Based upon the collections in the National Museum. (U. S. National Museum. Annual report. 1895, pub. 1897. p. 739-968, 154 illus., 82 plates (part double) incl. map, facsimis.)

Contains a general account of the Eskimos, their geographic distribution

in arctic America, Greenland, the Aleutian Islands and northeastern Asia; their settlements and environment; their art facility, materials, subjects and style; decoration and ornamentation, pictographs of domestic avocations, pictographic records, ideography, shamanism, conventionalizing, comparison.

Appendix: Gesture signs of Eskimo.

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7231. HOFFMANN, CHRISTIAN KAREL. Die Echinodermen gesammelt waehrend der Fahrten des "Willem Barents." In dem Jahren 1878 und 1879. [Leiden, etc., 1882] 20 p. plate. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 2. Pub. in: Niederländisches Archiv für Zoologie. Supplement. Bd. I) *Title tr.:* Echinoderms collected during the cruises of the *Willem Barents*, 1878-79.

Contains a list, (with synonyms, references, localities in Greenland Sea, Barents Sea and Svalbard waters, also geographic distribution) of thirty-eight species.

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HOFFMEYER, E., see Hellén, W. Verzeichnis d. Callimomiden. 1934.

7232. HOFFMEYER, NIELS HENRIK CORDULUS, 1836-1884. Den grønlandske føhn. (Geografisk tidsskrift, Kjøbenhavn, 1877. Bd. 1, p. 6-12, tables, plate) *Title tr.:* The Greenland foehn.

Discussion of the foehn wind in West Greenland and its influence on the climate there; with theories on its origin and remarks on the effects of the foehn wind in the Alps.

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7233. HOFFMEYER, NIELS HENRIK CORDULUS, 1836-1884. Internationale polarstationer. (Geografisk tidsskrift, Kjøbenhavn, 1880. Bd. 4, p. 38-40) *Title tr.:* International polar stations.

Discussion of plans for erection of polar stations through international co-operation and report of the conference held in Hamburg, 1879, for this purpose; also plans for the erection of a Danish station at Upernavik.

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7234. HOFFMEYER, NIELS HENRIK CORDULUS, 1836-1884. [Om vejrforholdene i Vest-Grønland og over det nordlige Atlanterhav fra d. 25de-30te juli 1878] (Meddelelser om Grønland, 1879. 2. hefte, p. 165-71, illus., diagr.)

Title tr.: Concerning the weather in West Greenland and over the North Atlantic Ocean, July 25-30, 1878.

Description of conditions during the J. A. D. Jensen expedition to south-west Greenland in 1878.

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7235. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . Die Decapoden Crustaceen des Eisfjords. Stockholm, Almqvist & Wiksell, 1916. 108 p. tables, diagrs., maps. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2, Heft 7. *Pub.* as: Svenska vetenskapsakademien. Handlingar. Bd. 54, no. 7)

List of Decapoda, with descriptions, locations and distribution in Ice Fiord and other arctic regions; bibliography, p. 101-107.

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7236. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . Die Echinodermen des Eisfjords. Stockholm, Almqvist & Wiksell, 1915. 282 p. illus. (tables, diagrs.), 2 maps. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2, Heft 2. *Pub.* as: Svenska vetenskapsakademien. Handlingar. Bd. 54, no. 2)

List with descriptions, locations in Ice Fiord, and distribution throughout the arctic region of thirty-one species of echinoderms; bibliography, p. 270-80.

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7237. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . Die Fische des Eisfjords. Stockholm, Almqvist & Wiksell, 1919. 129 p. tables, diagrs. (Svenska Spetsbergs-expeditionen. Zoologische Ergebnisse, Teil 2, Heft 10. *Pub.* as: Svenska vetenskapsakademien. Handlingar. Bd. 54, no. 7)

List of twenty-six species of fishes in Ice Fiord, with note of locations, general distribution, and a discussion of distribution in Ice Fiord and other arctic waters. Bibliography, p. 122-27.

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7238. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . Rhabdocoele Turbellarien. Kristiania, 1924. 5 p. illus. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 28) Published by Det Norske videnskaps-akademi i Oslo (Videnskaps-selskapet i Kristiania).

Description of two species of fresh-water flat worms, one new.

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7239. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . Den svenska undersökningen af Isfjorden på Spetsbergen år 1908. (Ymer, 1924. Årg. 44, p. 305-312) **Title tr.:** The Swedish investigation of Ice Fiord on Spitsbergen, 1908.

Contains chiefly discussion of investigations of bottom fauna in Ice Fiord, made during the Swedish expedition to West Spitsbergen, 1908.

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7240. HOFSTEN, NILS GUSTAF ER-LAND von, 1881- . The Swedish investigation of Ice Fiord in Spitzbergen in 1908, by N. von Hofsten. (Geografiska annaler, 1924. Årg. 6, p. 213-22, diagrs.)

Summary of hydrographical and zoological investigations, as published in Svenska Spetsbergs-expeditionen, 1908. *Zoologische Ergebnisse*, Teil 1-2, q.v.

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HOFSTEN, NILS GUSTAF ER-LAND von, 1881- , *see also* Svenska Spetsbergs-expeditionen, 1908. *Zoologische Ergebnisse* schwedischen Exped. 1908. 1910-15.

HOGG, JABEZ, *see* Jeffreys, J. G., & others. Preliminary report of biological results *Valorous*. 1876.

7241. HOLBÖLL, CARL PETER, 1795-1856. Ornithologischer Beitrag zur Fauna Groenlands. Leipzig, E. Fleischer, 1846. x, 102 p. plate (front.)

Title tr.: Ornithological contribution to Greenland's fauna. Reprinted in 1854.

Translation of his, *Ornithologiske bidrag til den Grønlandske fauna, 1842-43*, q.v.

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7242. HOLBÖLL, CARL PETER, 1795-1856. Ornithologiske bidrag til den grønlandske fauna. (Naturhistorisk tidsskrift, 1842-43. Bd. 4, p. 361-457) **Title tr.:** Ornithological contribution to Greenland's fauna.

General discussion of West Greenland birds; an annotated list of eighty-eight species, with zoogeographical remarks. Translated in German as the author's *Ornithologischer Beitrag zur Fauna Groenlands*, 1846, q.v.

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7243. HOLDICH, Sir THOMAS HUNGERFORD, 1843-1929. The Alaska boundary. (Geographical journal, Dec. 1903. v. 22, p. 674-76, fold. map)

Discussion of the verdict of the arbitration tribunal for the boundary dispute between Canada and the U. S.

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7244. HOLDINGHAUSEN, ED. Die Sonne als Ursache der Schwankungen des Erdmagnetismus und der Polarlichter. (Annalen der Hydrographie und maritimen Meteorologie, 1886. Jahrg. 14, p. 137-51, diagrs.) *Title tr.:* The sun as the cause of geomagnetic variations and auroras.

Discussion of solar physics and the effect of solar activity on ground electricity, magnetism and polar lights.

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7245. HOLDRIDGE, DESMOND. Northern lights. New York, Viking Press, 1939. 4 p. l., 3-240 p. illus., map on lining-papers.

Account of a voyage in a small sloop from Nova Scotia along the northern coast of Labrador to Button Islands (60°38'N. 64°40'W.); with descriptions of the coast, settlements, and waters traversed.

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7246. HOLGERSEN, HOLGER. The ants of Norway (Hymenoptera, Formicidae). (Nytt magasin for naturvidenskapene, 1944. Bd. 84, p. 165-203, illus.)

Contains a revision of thirty-four species, one subspecies and thirteen varieties of ants (Hymenoptera, Formicidae), half of the species having a wide distribution, some reaching 70°N. Includes a comparative table of the ant fauna of Norway, Sweden and Great Britain, and keys to the workers of hymenopterous ant species. Bibliography (64 items). *Copy seen:* MH-Z.

7247. HOLGERSEN, HOLGER. Norske sikader I. (Nytt magasin for naturvidenskapene, 1944. Bd. 84, p. 205-218) *Title tr.:* Norwegian Cicadina I.

Contains a critical revision of fourteen species (in six families) of Homoptera Cicadina, with synonymy, descriptions, critical notes and geographic distribution of these bugs; includes *Philænus spumarius* and *Neophilaenus exclamationis*, extending to the Troms and Finnmark regions; bibliography (22 items). Summary in English.

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7248. HOLGERSEN, HOLGER. The Norwegian species of Euscelis and re-

lated genera (Homoptera Cicadina). (Nytt magasin for naturvidenskapene, 1949. Bd. 87, p. 77-94, illus. text maps)

Contains a review of twenty-five Norwegian species of leaf-hoppers (*Euscelis* and related genera), including eight species new to Norwegian fauna and five native to arctic regions.

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7249. HOLL, ALFRED. Erdwärme und Gletschertemperatur. (Die Alpen, Nov. 1937. Bd. 13, p. 414-22) *Title tr.:* Terrestrial heat and glacier temperature.

Discussion of the role of heat in formation and movement of glacier ice.

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7250. HOLL, ALFRED. Gletscherwärmewirtschaft. Ein Kapitel aus der Gletscherphysik. (Die Alpen, Aug. 1937. Bd. 13, p. 292-301) *Title tr.:* Heat economy of glaciers. A chapter of glacier physics.

Discussion of the plasticity and fluidity theories of several glaciologists, as part of the problem of movement of glaciers, and a rejection of these, with heat economy proposed in their stead.

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7251. HOLL, ALFRED. Polare Eismärmewirtschaft. (Die Alpen, Jan. 1939. Bd. 15, p. 15-26, 2 plates) *Title tr.:* Heat economy of ice in polar regions.

Study of Greenland's inland ice; of the firn and glacier ice; the courses of glacial movement; the extent of firn; and the geothermal heat of precipitation and flow pressure effects on behavior of glaciers.

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7252. HOLL, ALFRED. Schmelzung in Innern der Gletscher. (Die Alpen, Mai 1938, Bd. 14, p. 178-88) *Title tr.:* Melting within the glacier. Discussion of the physics of glacier movement.

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7253. HOLLAND, GEORGE P. Notes on some northern Canadian Siphonaptera, with a description of a new species. (Canadian entomologist, Dec. 1944. v. 76, p. 242-46, incl. 2 p. of illus.)

List of five species, in five genera, of fleas from Northwest Territories and Baffin Island, and a description of *Ceratophyllus tundrensis*, a new species occurring on the arctic weasel and marten of the Northwest Territories.

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7254. HOLLAND, WILLIAM JACOB, 1848-1932. Alaska insects, Pt. I-II. (Entomological news, Mar.-Apr. 1900. v. 11, p. 381-89, 416-23)

Enumeration of insects collected in 1899 by two Alaskan missionaries, Rev. S. H. Young and M. E. Koonce: a list with localities, and some notes, of twenty-four (including three new lepidopteran) species of insects, from Yukon Territory and northeast Alaska.

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HOLLAND, WILLIAM JACOB, 1848-1932, *see also* Brooks, S. T., & others. Insects (Lepidoptera) & invertebrates. 1935.

HOLLATZ-BRETAGNE, Mme. MARIE MARGUERITE, 1886-, *see* Thalbitzer, W. C. Légendes et chants esquimaux. 1929.

7255. HOLLICK, CHARLES ARTHUR, 1857-1933. Results of a preliminary study of the so-called Kenai flora of Alaska. (American journal of science, Apr. 1911. Ser. 4, v. 31, p. 327-35) Also issued as New York Botanical Garden. Contributions, no. 143.

Discussion of the age, and the association of the fossil flora collected from Alaska Peninsula. *Copy seen:* DLC.

7256. HOLLICK, CHARLES ARTHUR, 1857-1933, and G. C. MARTIN. The Upper Cretaceous floras of Alaska, by Arthur Hollick, with a description of the plant bearing beds, by George C. Martin. Washington, U. S. Govt. Print. Off., 1930. v. 123 p. incl. illus., tables. 87 plates, (incl. fold. map) (U. S. Geological Survey. Professional paper 159)

Contains notes (by Hollick) on previous investigations, and a discussion of stratigraphic, botanic, and phyto-geographic relations of the floras, p. 1-9.

Description (by Martin) of Cretaceous rocks of Alaska, and details of the plant-bearing beds of the Alaska Peninsula, the upper and lower Yukon region, Rampart-Tanana district, and Koyukuk valley, p. 9-37.

List, with descriptions, synonymy, and locations, of two hundred thirty-six (including one hundred fifty new) species and some new varieties of Cretaceous plants. *Copy seen:* DGS.

7257. HOLLICK, CHARLES ARTHUR, 1857-1933, and P. S. SMITH. The Ter-

tiary floras of Alaska, by Arthur Hollick, with a chapter on The geology of the Tertiary deposits, by Philip S. Smith. Washington, U. S. Govt. Print. Off., 1936. iii, 185 p. 122 plates (incl. fold. map, fold. tables). (U. S. Geological Survey. Professional paper 182)

Contains discussion (by Hollick) of the history, the botanic and geologic relations, and the fossil plant localities, p. 1-24. Description (by Smith) of the marine deposits, the terrigenous deposits of Matanuska-Cook Inlet region, Alaska Peninsula, Alaska Range, and the Yukon Basin, also the effusive and intrusive igneous rocks, p. 24-34. List, with descriptions, synonymy and localities, of three hundred eighty-three (including one hundred two new) species and some new varieties of fossil plants. *Copy seen:* DGS.

7258. HOLLISTER, NED, 1876-1924. New mammals from Canada, Alaska, and Kamchatka. Washington, Smithsonian Institution, 1912. 1 p. l., 8 p. 3 plates. (Smithsonian miscellaneous collections, v. 56, no. 35)

Contents include descriptions of four (including three new) species of caribou. *Copy seen:* DLC.

HOLLSTEN, J., *see* Wittrock, V. B. Om Bergianska herbariet. 1891.

7259. HOLM, ÅKE. Notes on the spider fauna of East Greenland [Stockholm, 1937] 2 p. (Arkiv för zoologi. Bd. 29B, no. 12)

Note of two species new to Greenland; and annotated list, with localities, of three additional species.

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7260. HOLM, ÅKE. Zur Kenntnis der Spinnenfauna Spitsbergens und der Bären Insel. [Stockholm, 1937] 17 p. illus. (Arkiv för zoologi. Bd. 29A, no. 18) *Title tr.:* On the spiders of Spitsbergen and Bear Island.

Based on collections of the Swedish Expeditions to Bear Island, 1899 and to Spitsbergen 1908 and 1918. Annotated list, with notes on taxonomy, distribution and interrelationships, of eight (including with description, one new) species; remarks on ecology, and a bibliography (23 items).

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HOLM, ÅKE, *see also* Carpenter, G. D. H., & A. Holm. Insecta & Araneae E. Greenland. 1939.

7261. HOLM, DON. Ghosts of Alaskan commerce. (Alaska sportsman, Sept. 1941. v. 7, no. 9, p. 20-22, 24-27, illus.)

Notes on shipwrecks of southeastern and southern Alaska waters since 1790.

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7262. HOLM, GERHARD. Försteningar från Lappland, insamlade af E. Mörtzell. (Geologiska föreningen, Stockholm. Förhandlingar, 1890. Bd. 12, p. 259-67) *Title tr.:* Fossils from Lapland collected by E. Mörtzell.

Contains review of previous literature; remarks on fossils found at ten localities in northern Sweden in 1885, with list of forty species of crustaceans and molluscs.

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7263. HOLM, GERHARD, and A. H. WESTERGAARD. A Middle Cambrian fauna from Bennett Island. Leningrad, 1930. 25 p. 4 plates. (Russkaja poljarnaja ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. C., livr. 8. *Pub. as:* Akademiiã nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 21, no. 8)

Based on collections of fossils made by E. V. von Toll, and recovered after his death, by two later expeditions.

Contains a brief characterization of Bennett Island's geologic structure from von Toll's notes; a list, identifying three species of brachiopods, eighteen (including four new) species and two new subspecies of trilobites; and a tabulation of these fauna which shows also the stratigraphic occurrence of identical or similar forms in Scandinavia; bibliography (19 items).

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7264. HOLM, GUSTAV FREDERIK, 1849-1940. Beskrivelse af ruiner; Julianehaabs distrikt der er undersøgte i aaret 1880. (Meddelelser om Grønland, 1883. 6. hefte, p. 57-145, illus., 34 plates) *Title tr.:* Description of ruins in Julianehaab District, investigated in the year 1880.

Report of the Danish Expedition to Julianehaab District, 1880, to do surveying and investigate Norse ruins at the site of the old colony "Østerbygden". Gives a historical review of Norse colonization in West Greenland; account of the author's trip, 1880, to the southeast coast and information on conditions there; the life of the Norsemen in the colony "Østerbygden"; groups of ruins in various other locali-

ties in the Julianehaab District; and list of archeological objects found. Summary in French, p. 202-213.

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7265. HOLM, GUSTAV FREDERIK, 1849-1940. Bidrag til kjendskabit om eskimoernes herkomst. (Geografisk tidsskrift, 1891-1892, Kjøbenhavn, 1892. Bd. 11, p. 15-27) *Title tr.:* Contribution to the knowledge of the origin of the Eskimos.

Essay on common cultural traits of Eskimos and Indians, comparing the folklore, language, mythology and implements of the Angmagssalik Eskimos with those of the Aztec and Maya Indians.

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7266. HOLM, GUSTAV FREDERIK, 1849-1940. Eskimoiske "kaart" af trae. (Geografisk tidsskrift, Kjøbenhavn, 1886. Bd. 8, p. 103-105) *Title tr.:* Eskimo "maps" made of tree.

Discussion of "maps," carved in wood by Eskimos of the Angmagssalik region, their interest in geography and cartography.

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7267. HOLM, GUSTAV FREDERIK, 1849-1940. Ethnologisk sketch of the Angmagssalik Eskimo. (In: Thalbitzer, W. C. The Ammassalik Eskimo, pt. 1, no. 1. *Pub. in:* Meddelelser om Grønland, 1914. Bd. 39, p. 1-147, illus., 20 plates)

Translation of the author's *Ethnologisk skizze av Angmagssalikerne*, q.v., with some additions in the text, including a narrative of the East Greenland Expedition, 1883-1885.

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7268. HOLM, GUSTAV FREDERIK, 1849-1940. Ethnologisk skizze av Angmagssalikerne. (In: Østgrønlandske expedition, 1883-1885. Beretninger, 2. del, 2. *Pub. in:* Meddelelser om Grønland, 1888. 10. hefte, p. 43-182, illus., 42 plates (incl. fold. map)) *Title tr.:* Ethnological sketch of the Angmagssaliks. Published in English as *Ethnological sketch of the Angmagssalik Eskimo*, 1914.

Description of the Angmagssalik region and its Eskimo inhabitants, their names, distribution, physical characteristics, clothing, dwellings, implements, hunting and fishing, etc., also their family life, childbirth, marriage and mortuary customs; their mythology and beliefs, psychological characteris-

tics, art, songs and dances. Summary in French, p. 367-82.

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7269. HOLM, GUSTAV FREDERIK, 1849-1940. Geographiske undersøgelser af Grønlands sydligste del. 1881. (Meddelelser om Grønland, 1883, 6. hefte, p. 147-92, illus., plate, tables, fold. map) **Title tr.:** Geographic research in the southern part of Greenland.

Report of the Danish Expedition to South Greenland, 1881, which surveyed and mapped the southwest coast from 61°N. to Cape Farewell, and investigated the drift of the ice in Davis Strait.

Appendices: The extent of drift ice in Davis Strait, summer 1881. Results of astronomical observations made 1880-81. (Geographic positions of fifty-three places).

Map: Details of the coast from 60°15'N. 43°02'W. to 61°15'N. 46°20'W. Summary in French at end of volume.

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7270. HOLM, GUSTAV FREDERIK, 1849-1940. Gunbjørns-skaer og korsøer, 1940. (Meddelelser om Grønland, 1918. Bd. 56, p. 289-308, 2 maps (1 fold.)) **Title tr.:** Gunbjørn Cliff and Cross Island.

Discussion of the identity of two places (probably in East Greenland) mentioned in Norse literature; with quotations from source material.

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7271. HOLM, GUSTAV FREDERIK, 1849-1940. De islandske kursforskrifters Svalbarde. (Meddelelser om Grønland, 1925. Bd. 59, p. 273-97, maps) **Title tr.:** The Svalbarde of the Icelandic sailing directions.

Discussion of "Svalbarde" (i.e. the cool coast) mentioned in Norse literature and Icelandic sailing directions; theories of its location on Spitsbergen and the author's theory of its identity with Scoresby Sound, East Greenland. Holm's views are discussed by F. Nansen in his *Svalbard*, 1927, q.v.

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7272. HOLM, GUSTAV FREDERIK, 1849-1940. De islandske kursforskrifters Svalbarde. (Grønlandske selskab. Aarskrift, 1925-26, p. 5-11, map, table) **Title tr.:** The "Svalbarde" of the Icelandic sailing directions.

Quotes from Icelandic sources to prove that the "Svalbarde" of the sagas and annals refers to East Greenland and not to Spitsbergen.

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7273. HOLM, GUSTAV FREDERIK, 1849-1940. Kap Dan's beliggenhed. (Geografisk tidsskrift, København, 1888. Bd. 9, p. 25-29) **Title tr.:** The location of Cape Dan.

Challenge of C. J. O. Kjellström's article *Om læget af Kap Dan*, q.v., concerning variations of the location of Cape Dan on maps of East Greenland made by Holm and Kjellström as results (respectively) of Danish and Swedish expeditions to Greenland, 1883-85.

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7274. HOLM, GUSTAV FREDERIK, 1849-1940. Konesbaads-expeditionen til Grønlands østkyst, 1883-85. (Geografisk tidsskrift, København, 1886. Bd. 8, p. 79-98) **Title tr.:** The Umiak Expedition to the East Coast of Greenland, 1883-85.

Popular account of the Danish Expedition to East Greenland, 1883-1885 (also called the Konebaad, i.e. women's boat, or umiak, Expedition): the wintering at Angmagssalik, the Eskimos there, outline of previous expeditions to that region.

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7275. HOLM, GUSTAV FREDERIK, 1849-1940. Legends and tales from Angmagssalik. (In: Thalbitzer, W. C. The Ammassalik Eskimo, pt. 1, no. 5. Pub. in: Meddelelser om Grønland, 1914. Bd. 39, p. 225-305)

Translation, with additional introductory remarks, and two tales added, of Holm's *Sagn og fortællinger fra Angmagssalik*, 1888, q.v.

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7276. HOLM, GUSTAV FREDERIK, 1849-1940. Liste over den ethnografiske samling fra Angmagssalik. (In: Østgrønlandske expedition, 1883-1885. Beretninger, 2. del, 6. Pub. in: Meddelelser om Grønland, 1888, 10. hefte, p. 347-58, plates V-XXII, XXIV-XXXI) **Title tr.:** List of the ethnological collection from Angmagssalik.

List of implements, clothing, household articles, recreational objects, models, etc., collected in the Angmagssalik region of East Greenland. Summary in French, p. 390.

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7277. HOLM, GUSTAV FREDERIK, 1849-1940. Liste over stednavne i dansk Østgrønland. (*In*: Østgrønlandske expedition, 1883-1885. Beretninger, 1. del, 8. *Pub.* in: Meddelelser om Grønland, 1889. 9. hefte, p. 341-52) *Title tr.*: List of place names in Danish East Greenland.

Alphabetical list of more than two hundred places indicating the region in which they are located. Summary in French, p. 419-20. *Copy seen*: DLC.

7278. HOLM, GUSTAV FREDERIK, 1849-1940. Oprettelsen af missions- og handelsstationen Angmagssalik paa Grønlands østkyst. (Geografisk tidsskrift, 1893-94, Kjøbenhavn, 1894. Bd. 12, p. 247-55, sketch map) *Title tr.*: The establishment of the mission and trading station Angmagssalik.

Exploration of the Angmagssalik region, the Eskimos there; transportation of goods, building material and personnel (from Copenhagen) in the *Hvidbjørnen*, 1894; the choice of Angmagssalik as site for the East Greenland station, climatological data 1884-85, and remarks on ice conditions off the coast 1786-1894.

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7279. HOLM, GUSTAV FREDERIK, 1849-1940. Sagn og fortaellinger fra Angmagssalik samlede af G. Holm. (*In*: Østgrønlandske expedition, 1883-1885. Beretninger, 2. del, 5. *Pub.* in: Meddelelser om Grønland, 1888. 10. hefte, p. 235-334) *Title tr.*: Legends and tales from Angmagssalik, collected by G. Holm. Published in English as *Legends and tales from Angmagssalik*, 1914.

Collection of fifty-two tales from the Angmagssalik region of East Greenland; with explanatory remarks to each tale. Comments on the tales, etc., were published by H. Rink as *Bemaerkninger til G. Holms samling*, 1888, q.v.

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7280. HOLM, GUSTAV FREDERIK, 1849-1940. Small additions to the Vinland problem in consequence of Professor H. P. Steensby's "Norsemen's route from Greenland to Wineland", 1924. (Meddelelser om Grønland, København, 1925. Bd. 59, p. 11-37, sketch map)

Contains (1) discussions of and quotations from Norse literature; (2)

criticism of Steensby's *Norsemen's route from Greenland to Wineland*, q.v.; and (3) the author's conclusions regarding Eric the Red and Thorfinn Karlsefni's voyages to Vinland.

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7281. HOLM, GUSTAV FREDERIK, 1849-1940. Storisen; Davis-Straedet 1892. (Geografisk tidsskrift, 1893-94, Kjøbenhavn, 1894. Bd. 12, p. 45-49) *Title tr.*: "Storis" in Davis Strait, 1892.

Descriptions of the unusual amount "storis" i.e. mass of drifting ice, encountered in the Davis Strait during the summer of 1892, as observed by the author on board the trading ship *Hvidbjørnen*, and according to reports by sea captains submitted to the Meteorological Institute and the Directorate for Greenland Trade.

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7282. HOLM, GUSTAV FREDERIK, 1849-1940, and J. C. A. PETERSEN. Angmagssalik distrikt. (*In*: Grønland i tohundredaaret for Hans Egedes landing, bd. 2, 2. del. *Pub.* in: Meddelelser om Grønland, 1921. Bd. 61, p. 560-661, plates, sketch maps) *Title tr.*: Angmagssalik District.

Outline of the physical geography, ice conditions, geology and climate; the Eskimo population: language, clothing, social organization, trade, etc., and material, culture; the Danes: economic activities, administration, the trading and mission station at Angmagssalik; history. Includes sketch maps of various localities.

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7283. HOLM, GUSTAV FREDERIK, 1849-1940, and V. GARDE. Beretning om Konebaads-expeditionen til Grønlands østkyst, 1883-85. (*In*: Østgrønlandske expedition, 1883-85. Beretninger, 1. del, 2. *Pub.* in: Meddelelser om Grønland, 1889. 9. hefte, p. 53-143, illus., plates XVI-XVII (fold. maps)) *Title tr.*: Report on the Umiak Expedition to the east coast of Greenland, 1883-85. Summary in German of the work of this expedition, appears in *Deutsche geographische Blätter*, 1889, Bd. 12, p. 260-83.

Narrative of the Expedition to East Greenland 1883-1885 (also called Konebaads-Expeditionen), led by G. F. Holm, for mapping and archeological, hydrographic, geological and botanical investigations.

Contains accounts of exploratory trips in umiaks along the coast from Nanortalik, south Greenland to Sermilik Fiord 66°N.; the wintering, 1883-84, at Nanortalik and the winterings in 1884-85 of the main expedition at Angmagssalik (65°36'N.) and of the southern section under T. V. Garde at Nanortalik; also brief discussion of the scientific results. Summary in French, p. 357-69. *Copy seen:* DLC.

7284. HOLM, GUSTAV FREDERIK, 1849-1940, and V. GARDE. Om de geografiske forhold i dansk Østgrønland. (*In:* Østgrønlandske expedition, 1883-1885. Beretninger, 1. del, 3. *Pub.* in: Meddelelser om Grønland, 1889. 9. hefte, p. 145-228, illus., plates VIII-XVI (incl. 2 fold. maps)) *Title tr.:* On the geography of Danish East Greenland.

Physical geography of the east coast of Greenland north to 68°N.; explanatory remarks to accompanying maps and table of astronomical determination and magnetic variation for about fifty places.

Maps: the southernmost part of the east coast of Greenland to 63°45'N., prepared by G. Holm and V. Garde, 1883-85; Greenland's east coast from 63°20' to 66°25'N. prepared by G. Holm, 1884-85. Summary in French, p. 369-83. *Copy seen:* DLC.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Garde, V., & others. Magnetiske observationer, 1883-85. 1889.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Hansen, J. List of inhabitants East coast Greenland. 1914.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Hansérak, J. H. Grønlandske kateket Hanséraks dagbog 1884-85. 1933.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Østgrønlandske expedition, 1883-1885. Beretninger. 1888-89.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Steenstrup, K. J. V., & others. Astronomiske observationer Julianehaab. 1881.

HOLM, GUSTAV FREDERIK, 1849-1940, *see also* Thalbitzer, W. C. Ethnographical collections East Greenland. 1914.

7285. HOLM, HERMAN THEODOR, 1854-1932. Almindelige bemaerkninger om Kara-havets fauna. (*In:* Lütken, C. F. Dijnphnatogtets zoologisk-botaniske udbytte, 1887, p. 473-88) *Title tr.:* General remarks on the fauna of the Kara Sea.

Chiefly discussion, based on results from the voyage of the *Dijnphna*, 1882-83, of the distribution and frequency of various forms of marine fauna. Summary in French, 491-501. *Copy seen:* DLC.

7286. HOLM, HERMAN THEODOR, 1854-1932. Beretning om de paa Fylla's togt i 1884 foretagne zoologiske undersøgelser i Grønland. (Meddelelser om Grønland, 1889. 8. hefte, p. 151-71) *Title tr.:* Report on the zoological research carried out on the cruise of the *Fylla* in 1884.

Contains a list of fourteen dredging and plankton stations on the west coast of Greenland, giving type of bottom and nature of hauls with additional taxonomic listing of species taken. Summary in French at end of volume. *Copy seen:* DLC.

7287. HOLM, HERMAN THEODOR, 1854-1932. Carices novae Americae boreali-occidentalis. (Repertorium specierum novarum regni vegetabilis, 1905. Bd. 1, no. 13, p. 193-96) *Title tr.:* New Carices from northwestern America.

Contains Latin diagnoses of eight sedges (*Carex*), including *C. cryptochlaena* from Alaska.

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7288. HOLM, HERMAN THEODOR, 1854-1932. Contributions to the morphology, synonymy, and geographical distribution of arctic plants. Ottawa, King's Printer, 1922. 139 p. illus., tables. (Canadian Arctic Expedition, 1913-1918. v. 5: Botany, Pt. B)

Description of one hundred twenty-five separate species of vascular plants gathered from the North American Arctic, with full discussion (including tables) of the entire arctic distribution. Bibliography, p. 136-39.

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7289. HOLM, HERMAN THEODOR, 1854-1932. The earliest record of arctic plants. (Biological Society of Washington. Proceedings, June 1896. v. 10, p. 103-107)

Discussion of Friedrich Martens' 17th century record of plants of Spitsbergen as noted in John Ray's *Historia plantarum*, London, 1704. Martens, as surgeon, accompanied a whaler which visited the region now called Smeerenburg (Amsterdam Island) off north-western West Spitsbergen.

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7290. HOLM, HERMAN THEODOR, 1854-1932. New plants from arctic North America. (Repertorium specierum novarum regni vegetabilis, 1907. Bd. 3, no. 48-49, p. 337-38)

Contains Latin diagnoses of six new species of herbs from Mansfield (Mansel) Island, Nottingham Island and the coast of Hudson Bay (the mouth of Severn River).

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7291. HOLM, HERMAN THEODOR, 1854-1932. Novaia-Zemlia's vegetation, særlig dens phanerogamer. (In: Lütken, C. F. *Dijmphnatogtets zoologisk-botaniske udbytte*, 1887, p. 5-59, plate 1-12) **Title tr.:** The vegetation of Novaya Zemlya, especially its phanerogams.

Contains list, with localities, of one hundred twenty-three species of seed plants and four cryptogams, observed by the author during the *Dijmphna* Expedition, 1882-83; table showing distribution of plants in arctic regions; discussion of the vegetation of the tundra and the rocks of Novaya Zemlya; descriptions of the morphology and anatomy of twenty-five species. French summary of botanical reports, p. 97-107.

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7292. HOLM, HERMAN THEODOR, 1854-1932. Studies in the Cyperaceae. XIV. On a collection of Carices from Alaska with remarks upon the affinities of *Carex circinata* C. A. Mey and *C. lejoearpa* C. A. Mey. (American journal of science, Oct. 1900. Ser. 4, v. 10, p. 266-84)

List, with locations and some descriptions, of twenty-one (including two new) species of sedges with notes on synonymy and circumpolar distribution.

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7293. HOLM, HERMAN THEODOR, 1854-1932, and K. RØRDAM. Oversigt over bundskrabninger, udførte paa "Dijmphna" 1882-83. (In his: *Dijmphnatogtets zoologisk-botaniske udbytte*,

1887, p. XIII-XXI) **Title tr.:** Survey of dredgings made on board the *Dijmphna*, 1882-83.

Table of collecting stations (with coordinates) in Novaya Zemlya waters and the Kara Sea, indicating date of dredging, depth, occurrence of algae and character of bottom; remarks on temperature, salinity and bottom sediments of the Kara Sea.

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HOLM, HERMAN THEODOR, 1854-1932, *see also* Deichmann Branth, J. S. Lichener fra Novaia-Zemlia (*Dijmphna* 1882-83). 1887.

HOLM, HERMAN THEODOR, 1854-1932, *see also* Hammer, F. Iagttagelser *Fylla's* togt 1886. 1888.

HOLM, HERMAN THEODOR, 1854-1932, *see also* Jensen, C. E. O. Mosser fra Novaia-Zemlia (*Dijmphna* 1882-83). 1887.

HOLM, HERMAN THEODOR, 1854-1932, *see also* Lütken, C. F., & H. T. Holm. Indledning. (*Dijmphna-togtet* 1882-83). 1887.

HOLM, HERMAN THEODOR, 1854-1932, *see also* Macoun, J. M., & H. T. Holm. Vascular plants. *Canad. Arctic Exped.* 1921.

HOLM, JOHANNES, *see* Lynge, E., & V. Sindbjerg-Hansen. Beretning fra laegeekspedition 1947-48. 1949.

7294. HOLM, LENNART. Taxonomical notes on Ascomycetes I. The Swedish species of the genus *Ophiobolus* Riess sensu Sacc. (Svensk botanisk tidskrift, 1948. Bd. 42, häfte 4, p. 337-47, illus. plate)

Contains a key and critical notes on fifteen species of *Ophiobolus*, a genus of sac fungi, including a Latin description of *O. lapponica* n. sp. from Torne Lappmark.

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HOLM, THEODOR, *see* HOLM, HERMAN THEODOR, 1854-1932.

7295. HOLM, V. F. En resa i Lapland och Norge. (Botaniska notiser, 1875, no. 3, p. 169-79) **Title tr.:** A journey to Lapland and Norway.

Contains an account of the author's exploring trip to Lule and Pite Lappmark and adjoining regions of Norway, in the summer of 1873, with a general

description of the vegetation and scattered notes on plants observed.

Comment on one of Holm's botanical notes was published by A. N. Lundström, *Om Salix finmarkica*, 1876, q.v.

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7296. HOLMBERG, OTTO RUDOLF, 1874-1930. Carices nonnullae hybridae e sectionibus Canescentibus, Tenuifloris, Elongatis. (Botaniska notiser, 1929, häfte 1, p. 10-28, illus.) **Title tr.:** Some *Carex* hybrids of the sections *Canescentes*, *Tenuiflorae*, *Elongatae*.

Contains descriptions of twelve new hybrids of sedges (*Carex*) and critical notes on six others described previously, belonging to the sections *Canescentes*, *Tenuiflorae* and *Elongatis* of the genus, including eight hybrids from Swedish Lapland and three from arctic Norway.

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7297. HOLMBERG, OTTO RUDOLF, 1874-1930. Einige *Puccinellia*-Arten und -Hybriden. (Botaniska notiser, 1920, p. 103-111) **Title tr.:** Some *Puccinellia* species and hybrids.

Contains critical notes on nine species (six new comb. and names) of the gramineous genus *Puccinellia*, including *P. reflexa* with two varieties extending from central and northern Europe to Greenland.

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7298. HOLMBERG, OTTO RUDOLF, 1874-1930. Die Gattung *Phippsia* und ihre Arten. (Botaniska notiser, 1924, häfte 2, p. 126-34) **Title tr.:** The genus *Phippsia* and its species.

Contains a taxonomic study of this genus of grasses, its five species and forms and two new hybrids (*Phippsia algida* x *concinna* and *P. concinna* x *Puccinellia angustata*), all distributed in the Arctic, some in Sweden and some in West Spitsbergen.

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7299. HOLMBERG, OTTO RUDOLF, 1874-1930. Några nya former av skandinaviska gräs. (Botaniska notiser, 1926, häfte 2, p. 181-85) **Title tr.:** Some new forms of Scandinavian grasses.

Contains descriptions of twenty-four new forms of Scandinavian grasses, including *Deschampsia atropurpurea* f. *multiflora* n.f. (Lule Lappmark), *Puccinellia retroflexa* subsp. *borealis* n. subsp. (Greenland, Nordland, Norway)

and *P. retroflexa* var. *virescens* (Finnmark, Norway, Greenland).

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7300. HOLMBERG, OTTO RUDOLF, 1874-1930. Neue *Puccinellia*-Arten aus Nord- und Ost-Asien. (Botaniska notiser, 1927, häfte 3, p. 206-210) **Title tr.:** New *Puccinellia* species from northern and eastern Asia.

Contains Latin diagnoses of the grass *Puccinellia sibirica* n. sp. (Yenisey River region, 70°10'N.), *P. sibirica* var. *lenensis* n. var. (Yakutsk), *P. kamtschatica* n. sp. with two new varieties *asperula* and *sublaevis* n. vars., native to Kamchatka Peninsula.

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7301. HOLMBERG, OTTO RUDOLF, 1874-1930. Nochmals *Puccinellia*. (Botaniska notiser, 1924, häfte 3, p. 299-310) **Title tr.:** More on *Puccinellia*.

Contains a taxonomic discussion on the validity of the name *Puccinellia* and the affinity of this genus with *Atropis* and *Poa*, two genera of Gramineae; includes references to some arctic species; deals mostly with F. J. v. Ruprecht's arrangement of the genus *Poa* in his work *Flores Samoedorum cisuralensium*, 1845, q.v. Bibliography (16 items).

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7302. HOLMBERG, OTTO RUDOLF, 1874-1930. Om *Carex canescens*, dess begränsning och variationer. (Botaniska notiser, 1927, häfte 3, p. 215-23) **Title tr.:** On *Carex canescens*, its limitations and varieties.

Contains a taxonomic discussion on the sedge *Carex canescens*, its systematic content and critical notes on its four varieties and one new form, including varieties *suboliacea* and *subvitis*, native to Swedish Lapland.

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7303. HOLMBERG, OTTO RUDOLF, 1874-1930. Om "*Carex macilentia* Fr." dess historia och dess systematiska valär. (Botaniska notiser, 1910, häfte 2, p. 81-90) **Title tr.:** On "*Carex macilentia* Fr." its history and systematic denomination.

Contains a critical revision of the complicated taxonomy of a northern species of sedges, *Carex macilentia* Fr. s. l., including Latin diagnoses of three related hybrids *C. brunnescens* x *lolia-*

cea n. hybr. f. *subbrunnescens*, *C. canescens* x *loliacea* f. *subcanescens* and f. *subloliacea*, native to Swedish Lapland (Lule and Torne Lappmark); bibliography (32 items).

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7304. HOLMBERG, OTTO RUDOLF, 1874-1930. Om hybridiseringen hos *Carices canescentes* och närstående grupper. (Botaniska notiser, 1929, häfte 1, p. 1-9) *Title tr.:* On hybridization of *Carices canescentes* and related groups.

Contains a discussion of hybridization of various species of sedges (*Carex*) of the group *Canescentes* and some other related sections of the same genus; includes references to some arctic species.

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7305. HOLMBERG, OTTO RUDOLF, 1874-1930. *Sagina linnæi* och dess hybrid med *S. procumbens*. (Botaniska notiser, 1919, p. 263-70, illus.) *Title tr.:* *Sagina linnæi* and its hybrid with *S. procumbens*.

Contains a taxonomic discussion of some controversial plants of the genus *Sagina*, including a hybrid of *S. linnæi* x *procumbens* collected by the writer at Furulund in Nordland, Norway, and described in detail. Summary in English.

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7306. HOLMBERG, OTTO RUDOLF, 1874-1930. De skandinaviska formerna av *Carex*-gruppen *Limosae*. (Botaniska notiser, 1929, häfte 4, p. 209-228, illus.) *Title tr.:* Scandinavian forms of *Carex* group *Limosae*.

Contains critical notes on four species and Latin descriptions of some new forms and hybrids of Scandinavian sedges (*Carex*) of the group *Limosae* including at least three native to Swedish Lapland. Summary in German.

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7307. HOLMBOE, JENS, 1880-1943. En fjeldform af *Capsella Bursa pastoris*. (Botaniska notiser, 1899, p. 261-65, illus.) *Title tr.:* An alpine form of *Capsella Bursa pastoris*.

Contains a description of *Capsella Bursa pastoris* v. *pigmaca* n. var. occurring in South Varanger region, Norway, and notes on the distribution of *Capsella* in Norway (Finnmark), Finland (Inari Lappmark) and Greenland.

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7308. HOLMBOE, JENS, 1880-1943. Nogle ugraesplanter indvandring i Norge. (Nytt magasin for naturvidenskaben, 1900. Bd. 38, hefte 2-3, p. 129-262, text maps) *Title tr.:* Migration of some weeds in Norway.

Contains a study of migration of nineteen weeds (some introduced) of economic importance on account of their rapid spread in Norway, with data on their origin, date of introduction, way of migration, speed of spreading, etc., supplemented by a special study of the expansion of their areals in Norway, based on literature material arranged chronologically for each species; bibliography (113 items). Summary in German.

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7309. HOLMBOE, JENS, 1880-1943. Om "haerbúa" og dens forekomst ved elvene i Trøndelag i sagatiden. (Svensk botanisk tidskrift, 1936. Bd. 30, häfte 3, p. 551-64, illus. text map) *Title tr.:* On "haerbúa" and its occurrence along rivers of Trøndelag in saga times.

Contains a botanico-phytological study of a subshrub, "haerbúa" or *Myricaria germanica*, based on references in old Scandinavian literature, folklore, sagas, etc., and study of its old and present distribution in Scandinavia, including Nordland and Finnmarken provinces of northern Norway; bibliography (23 items).

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7310. HOLMBOE, JENS, 1880-1943. Spredte bidrag til Norges flora. I. (Nytt magasin for naturvidenskaben, 1930. Bd. 68, p. 119-49, illus., sketch maps) *Title tr.:* Occasional contributions to the flora of Norway. I.

Contains critical notes on ten species of flowering plants, including *Cornus succica* with a form *stenophylla* n. f., native to Nordreisa, Troms region, and *Conopodium denudatum* from Nordland, Norway; with bibliography (35 items).

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7311. HOLMBOE, JENS, 1880-1943. Spredte bidrag til Norges flora. II. (Nytt magasin for naturvidenskaben, 1932. Bd. 71, p. 147-84, illus., sketch map) *Title tr.:* Occasional contributions to the flora of Norway. II.

Contains critical notes and data on distribution of ten Norwegian flowering plants, including *Nymphaea alba*, native to the Troms region; bibliography (50 items).

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7312. HOLMBOE, JENS, 1880-1943. Spredte bidrag til Norges flora. III. (Nytt magasin for naturvidenskapene, 1934. Bd. 74, p. 71-116, illus., sketch maps) *Title tr.*: Occasional contributions to the flora of Norway. III.

Contains critical notes on ten flowering plants of Norway, including *Ceratophyllum demersum*, native to Finnmark, and *Euphrasia lapponica*, from arctic Norway and Finland; bibliography (72 items). *Copy seen:* MH-Z.

7313. HOLMBOE, JENS, 1880-1943. Spredte bidrag til Norges flora. IV. (Nytt magasin for naturvidenskapene, 1933. Bd. 78, p. 1-35, illus., sketch maps) *Title tr.*: Occasional contributions to the flora of Norway. IV.

Contains critical notes on ten Norwegian flowering plants and vascular cryptogams, including four native to arctic regions of Norway, with data on their distribution; bibliography (46 items). *Copy seen:* MH-Z.

7314. HOLMBOE, JENS, 1880-1943. Spredte bidrag til Norges flora. V. (Nytt magasin for naturvidenskapene, 1941. Bd. 82, p. 9-44, illus.) *Title tr.*: Occasional contributions to the flora of Norway. V.

Contains critical notes on various plants of Norwegian flora, including *Knautia arvensis*, occurring in arctic regions of Norway, Sweden and Finland; bibliography (69 items).

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HOLMBOE, JENS, 1880-1943, *see also* Finnmark omkring 1700. 1932-45.

HOLMBOE, JENS, 1880-1943, *see also* Hanssen, O., & J. Holmboe. Vascular plants of Bear Island. 1925.

7315. HOLME, RANDLE F. A journey in the interior of Labrador, July to October, 1887. (Royal Geographical Society. Proceedings, Apr. 1888. New ser., v. 10, p. 189-205, fold. map) Paper read before the Society, Feb. 1888, followed by discussion from members, p. 203-205.

Contains the narrative of a boat journey, up Hamilton Inlet, Lake Melville, the navigable stretches of five smaller rivers draining into the lake, and up the Hamilton River as far as Lake Waminikapou (i.e. Winokapau); with discussion of the geographic features of the area as far west as the

divide, and remarks on the Indians, the natural history, and the routes used by natives, traders and missionaries.

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7316. HOLMEN, BERNARD. Alaska's greatest need. (Alaska life, Aug. 1944. v. 7, no. 8, p. 58-59)

Note on suitability of the western shores of Cook Inlet, Kenai Peninsula, for agricultural development.

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7317. HOLMES, ARTHUR, 1890- , and H. F. HARWOOD. The basaltic rocks of the arctic region, by Arthur Holmes. With analyses by H. F. Harwood. (Mineralogical magazine, Aug. 1918. v. 18, p. 180-223, 2 plates)

Description, with chemical analyses, of typical rocks from Greenland, Jan Mayen, West Spitsbergen, and Franz Josef Land, with a classification of the rocks, a review of chemical characters, and remarks on petrographic provinces.

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7318. HOLMES, Mrs. BETTIE (FLEISCHMANN). The log of the "Laura" in polar seas; a hunting cruise from Tromsø, Norway to Spitsbergen, the polar ice off East Greenland and the Island of Jan Mayen in the summer of 1906. Cambridge, Eng. Cambridge University Press, 1907. 4 p. l., 137 p. illus., 23 plates, double map.

Contains a narrative of the trip and tables of game (showing where taken); also meteorological observations twice daily, June 17-Aug. 28.

Copy seen: DLC; NNSef.

7319. HOLMES, HARLAN B. Natural propagation of salmon in Alaska. (Pacific Science Congress. 5th, 1933. Proceedings, 1934. v. 5, p. 3585-92)

Review of investigations carried out by the U. S. Bureau of Fisheries, beginning 1908; the methods and tentative results, including theoretical relation and ratio between escapement and return, fresh and salt-water mortalities, and factors influencing success of propagation.

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7320. HOLMES, JOHN BECK, Bishop, 1767-1843. Historical sketches of the missions of the United Brethren for propagating the gospel among the heathen, from their commencement to the year 1817. Dublin, Printed by R. Napper, 1818. v. [3], 472 p. "Second

improved edition" (470 p. 1 l.) was published in London, 1827.

Contains chapters on Moravian missions in Greenland, 1732-1817; and in Labrador, 1771-1817.

Copy seen: DLC (2d ed.); NNS Stef (1st ed.).

7321. HOLMES, LEWIS. The arctic whaleman; or, Winter in the Arctic Ocean: being a narrative of the wreck of the whale ship Citizen. Together with a brief history of whaling. Boston, Wentworth, 1857. 296 p. incl. 15 plates. Another edition without change was published in Boston by Thayer & Eldridge, 1861.

Contents (in pt. 1) an account of whaling in Bering and Chukchi Seas; the wreck of the *Citizen* in Sept. 1852; the customs and behavior of natives of the Chukotsk Peninsula near East Cape as experienced by the ship's survivors during a nine-month sojourn there.

Pt. 2 gives history (in general) and details of whaling, the various whales and outfitting.

Copy seen: DLC (1861 edition); NNS Stef (1857 and 1861).

7322. HOLMES, S. J. Amphipod crustaceans of the expedition. (*In:* Rathbun, M. J., and others: Crustaceans. Harriman Alaska series, 1904. v. 10, p. 231-46, illus.)

List, with localities of nineteen species (including five new, with descriptions) from the waters of the Pribilof and Shumagin Islands, Glacier Bay, Yakutat Bay, Prince William Sound, Dutch Harbor, and southeastern Alaska.

Copy seen: DLC.

HOLMES, WILLIAM H., see Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

7323. HOLMGREN, AUGUST EMIL, 1829-1888. Bidrag till kännedomen om Beeren eilands och Spetsbergens insekt-fauna. Stockholm, P. A. Norstedt & söner, 1869. 55 [1] p. (Svenska vetenskapsakademien. Handlingar. Bd. 8, no. 5) **Title tr.:** Contribution to the knowledge of the insect fauna of Bear Island and Spitsbergen.

List, with descriptions, locations and notes on synonymy, of seventy-one species, from the Swedish North Polar Expedition, 1868. **Copy seen:** DLC.

7324. HOLMGREN, AUGUST EMIL, 1829-1888. Insekter från Nordgrönland, samlade af prof. A. E. Nordenskiöld år 1870. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1872, pub. 1873. Årg. 29, no. 6, p. 97-105) **Title tr.:** Insects from North Greenland collected by Prof. A. E. Nordenskiöld in 1870.

List, with synonymy, remarks on the species and some descriptions, of Coleoptera, Hymenoptera (bees, wasps, etc.), Diptera (flies, mosquitoes, etc.), Lepidoptera (butterflies and moths) and Hemiptera (bugs) found in the Disko region of West Greenland.

Copy seen: DLC.

7325. HOLMGREN, AUGUST EMIL, 1829-1888, and **CHR. AURIVILLIUS.** Insecta a viris doctissimis Norden-skiöld illum ducentis sequentibus in insulis Waigatsch et Novaja Semlia anno 1875 collecta. (Entomologisk tidskrift, 1883. Bd. 4, p. 139-94) **Title tr.:** Insects collected by Dr. Nordenskiöld on Waigach Island and Novaya Zemlya during his expedition of 1875.

Contents tr.: Holmgren, A. E. Hymenoptera and Diptera. (Systematic, annotated list, with localities, of forty-six species of hymenopterous, and eighty-one species of dipterous insects.)

Aurivillius, C. Lepidoptera. (Descriptions of a new genus and species of moth *Schöyenia arctica*, and list of nine species of butterflies and moths collected.)

Copy seen: DA.

7326. HOLMQUIST, P. J. Die Hochgebirgsbildungen am Torne Träsk in Lappland. (Geologiska föreningen, Stockholm. Förhandlingar, 1910. Bd. 32, p. 913-83, col. fold. map) **Title tr.:** The high mountain formations at Torne Träsk in Lapland.

Discussion of the composition and structure of the high mountain range at Torne Träsk (lake) in northern Sweden (68°52'N. 24°10'E.); with description of rocks. **Copy seen:** DLC.

7327. HOLMSEN, GUNNAR, 1880-. Lidt om Spitsbergens geologi; foredrag den 18. februar 1909. (Norsk geografisk selskab. Aarbok, 1908-09, pub. 1909. v. 20, p. 1-8) **Title tr.:** A few remarks on the geology of Spitsbergen, a lecture delivered Feb. 18, 1909.

Copy seen: DLC.

7328. HOLMSEN, GUNNAR, 1880-. Ørkindannelser i Polarlandene. (Norsk

geografisk selskab. Aarbok, 1911-1912, pub. 1913. v. 23, p. 77-82, illus.) *Title tr.*: Desert formations in polar regions.

Brief comparison of similarities between certain arctic and desert phenomena, including vegetation, the surface, salts and the forms of the rocks and stones.

Copy seen: DLC.

7329. HOLMSEN, GUNNAR, 1880- . Spitsbergens jordbunds is og de bidrag dens undersøkelse har kunnet gi til forstaelsen av de i arktiske land optraedende varige isleier i jorden. (Norsk geografisk selskab. Aarbok, 1912-1913, pub. 1913. v. 24, p. 1-150, illus., 8 plates (photos.) tables) *Title tr.*: Spitsbergen's subterranean ice and the contribution which research has made to the understanding of the permanent ice layers which occur in the ground of the arctic regions.

Contents include: The morphology of Coles Bay, West Spitsbergen and a detailed study of its subterranean ice, p. 1-33. Results of research on the structure of the ice, p. 38-45. The ice of Novaya Zemlya, Siberia and New Siberian Islands, p. 45-80. "Ground ice" of Alaska and Grinnell Land, p. 80-107. The age of geographic distribution of the ice, p. 107-132. Summary in German, p. 133-44.

Copy seen: DLC.

7330. HOLMSEN, GUNNAR, 1880- . Spitsbergens natur og historie. Kristiania, O. Nordli, 1911. 111 [1] p. incl. illus. maps, diags. *Title tr.*: The nature and history of Spitsbergen. Published in German as *Spitsbergens Natur und Geschichte*. Berlin-Halensee, Nordland G.m.b.H. [1912]. 125 p. illus., incl. 3 maps.

Descriptions, based on published accounts, of the discovery and exploration of West Spitsbergen; hunting, whaling and life of the whalers and hunters; the natural history, geology and coal deposits of the island.

Appendix: Raebel, M. Note for tourists on Nordenskiöld Mt. in Advent Bay.

Copy seen: ICJ; NNS Stef (German edition).

7331. HOLMSEN, HANNA MARIE (RESVOLL), 1873- . De fredede planter i Junkerdalsuren, på Solveigtind og Båtfjell. (Norsk geografisk tidsskrift, 1928-29, pub. 1929. Bd. 2, p. 256-65, illus., sketch map) *Title tr.*:

Protected flowers in the Junkerdal slope, on Solveigtind and Båtfjell.

Description of a rare flower sanctuary in Saltdalen, northern Norway (about 67°N.); account of botanical investigations made there, and descriptions of rare flowers, with list of sixty-four species.

Copy seen: DLC.

7332. HOLMSEN, HANNA MARIE (RESVOLL), 1873- . Lidt om Spitsbergens plantevekst; foredrag den 18. februar 1908. (Norsk geografisk selskab. Aarbok, 1908-1909, pub. 1909. v. 20, p. 9-17, illus.) *Title tr.*: A few remarks on the vegetation of Spitsbergen; lecture given February 18, 1909.

Description of vegetation of the Cross Bay (79°N. 11°30'E.), Coal Bay (78°N. 14°30'E.) and Ice Fiord regions on the west and northwest coast of West Spitsbergen.

Copy seen: DLC.

7333. HOLMSEN, HANNA MARIE (RESVOLL), 1873- . Observations botaniques. Monaco, Impr. de Monaco, 1913. 2 p. l., 80 p., 2 l. 9 plates. (Isachsen, G. I. Exploration du nord-ouest du Spitsberg [etc.] 5. ptie. Pub. as: Albert I, Prince of Monaco. Résultats des campagnes scientifiques accomplies sur son yacht. Fasc. 44) *Title tr.*: Botanical observations. (Exploration of northwest Spitsbergen (etc.))

Results of the Isachsen expedition 1906-07.

Contents tr.: The vegetation along the west coast of Spitsbergen. Some remarks on autumnal coloration. Discovery of layers of 'peat over fossil ice. The vascular plants. Cryptogams new to Spitsbergen. Includes a list, with locations, of one hundred twenty-four species of vascular plants, and lists of fifty-nine fresh-water algae, two fungi and seven mosses from northwest West Spitsbergen (Haakon VII Land, 78°40'-79°40'N. 10°30'-14°30'E.).

Copy seen: DLC.

7334. HOLMSEN, HANNA MARIE (RESVOLL), 1873- . Om jordbundsstruktur i polarlandene og planternes forhold til dem. (Nytt magasin for naturvidenskapene, 1909. Bd. 47, p. 289-96, 3 plates) *Title tr.*: On structural soil in arctic regions and its relation to plants.

Discussion of polygonal soil, especially on West Spitsbergen, and its significance to the vegetation.

Copy seen: DLC.

7335. HOLMSEN, HANNA MARIE (RESVOLL), 1873- . Svalbards flora med endel om dens plantevekt i nutid og fortid. Oslo, J. W. Cappelen, 1927. 56 p., illus., map. *Title tr.*: Flora of Svalbard with data on the vegetation of the past and present time.

Contains a general sketch of the vegetation of Svalbard including very brief data on some fossil plants and a systematic enumeration of one hundred thirty-three plants with keys and illustrations. *Copy seen:* MH-A.

7336. HOLMSTROM, JOHANNES AUGUST. Utkast till den svenska florans literatur-historia. (Botaniska notiser, 1849, no. 7-8, p. 105-121, no. 10-11, p. 156-63) *Title tr.*: A historical sketch of the literature on Swedish flora.

Contains a preliminary historical study of Swedish botanical literature of pre-Linnean period, with brief biographical notes on Swedish botanists and bibliographical data on the most important works; includes some works concerning northern regions and references to arctic plants.

Copy seen: MH-A.

7337. HOLST, NILS OLOF, 1846- . Berättelse om en år 1880 i geologiskt syfte företagen resa till Grönland. Stockholm, 1886. 68 p. double-face map. (Sweden. Geologiska undersökning. Afhandlingar och uppsatser. Ser. C, no. 81) *Title tr.*: Account of a geological expedition to Greenland in the year 1880.

The author spent six weeks during July-Aug. in the region north of Frederikshaab-Fiskernaes, near Dalagers Nunatak on the inland ice; also at Frederikshaab and at Ivigtut. This narrative of his journey includes general remarks on the country traversed, the inland ice and the rock formations; followed by separate sections on the bed rock, inland ice, its cryconite, moiraines, rubble formations, clays (with notes on the fossils found there), and on peat.

Copy seen: DGS.

HOLST, NILS OLOF, 1846- , *see also* Törnebohm, A. E. Mikroskopisk undersökning bergartsprof från Grönland. 1883.

7338. HOLT, N. G., and F. E. CLEMITSON. Notes on the behavior of H.M. ships during the war. (Institute of

Marine Engineers. Transactions, 1948. v. 60, p. 207-216) Reprinted in American Society of Naval Engineers. Journal, May 1949. v. 61, p. 408-430.

Includes brief note on operational activity in high latitudes, de-icing, ice damage and comfort of personnel below decks. *Copy seen:* DLC.

7339. HOLTEDAHL, OLAF, 1885- . Bemerkninger om de av Høygaard og Mehren medbragte bergartsprøver fra Grönlands innland. (Norsk geografisk tidsskrift, 1932-33, pub. 1933. Bd. 4, p. 19-20) *Title tr.*: Remarks on rock samples brought back by Høygaard and Mehren from the interior of Greenland.

Discusses the geological importance of rock samples from Westfal-Larsens Nunatak and Knud Ringnes Nunatak on the inland ice (about 74°N. 30°W.).

Copy seen: DLC.

7340. HOLTEDAHL, OLAF, 1885- . Bidrag til Finnmarkens geologi. Kristiania, H. Aschehoug & Co., 1918. vii, [1] 314 p. illus., 21 plates (incl. fold. maps, fold. diagr.) tables. (Norges geologiske undersøkelse, nr. 84) *Title tr.*: Contribution to the geology of Finnmark.

Contains a survey of previous investigations of the geological structure of Finnmark province, northern Norway; the author's investigations 1914-17, of the solid rock formations, the late sedimentary series, and fossils; topographic survey of the Alten district, region around Talvik and east of the Alten Fiord, the Pre-Cambrian area south and southwest of Alten Fiord, the region east of Altenbladet and around the head of the Porsanger Fiord, the Varanger Peninsula and the Skipagurra-Skoganvarre region in Finnmark. Describes the Pre-Cambrian group, the fossiliferous lower Cambrian shale-sandstone group, the early, dolomite-bearing sandstone division; the late tillite-bearing sandstone group, and the metamorphic rock formations of the Caledonian mountain chains. Notes previous estimates of the age of the Finnmark geological formations as incorrect; minerals encountered, eruptive rocks, etc. Includes mineralogical, geological, topographic, paleontological and geographical data. Summary in English, p. 299-314.

Copy seen: NNA.

7341. HOLTEDAHL, OLAF, 1885- . Brief account of the expedition. Kristiania, A. W. Brøgger, 1922. 14 p. illus., plates (photos.) maps (2 fold., 1 col.) (*In*: Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 1) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

Narrative of the voyage of the *Blaafjell* along the west coast of Novaya Zemlya from Goose Bay to Pankatev Peninsula, also through Matochkin Shar, with an overland trip from Mashigin Fiord to Zivolka Fiord, July-Aug., 1921.

Maps of Serebryanka Fiord and Matochkin Strait and of Mashigin Fiord showing depths and heights. Notes to maps, p. 11-14. *Copy seen:* DLC.

7342. HOLTEDAHL, OLAF, 1885- . The Cambro-Ordovician beds of Bache Peninsula, and the neighbouring regions of Ellesmere Land. Kristiania, A. W. Brøgger, 1913. 14 p. 4 plates, map. (*In*: Norske videnskapsakademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 4, (no. 28))

Discussion of the beds, based on Schei's *Preliminary account of the geological investigations*, q.v. and of fossil material; with a list of species.

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7343. HOLTEDAHL, OLAF, 1885- . A crossing of Novaya Zemlya. (Geographical journal, May 1922. v. 59, p. 370-75, sketch map)

An account of a march across the island from Mashigin Fiord to Zivolka Fiord, during the Norwegian Expedition, 1921.

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7344. HOLTEDAHL, OLAF, 1885- . Ekspedisjonsliv på Novaja Semlja. (Polar-årbooken, 1933, p. 68-79, illus.) *Title tr.*: Expeditionary life in Novaya Zemlya.

Account of the Norwegian Expedition to Novaya Zemlya, 1921, and its botanical, zoological and geographical work. Includes remarks on meeting with Samoyeds at Matochkin Strait, the sledge trip to the head of Zivolka Bay on the east coast, days spent on the southwest coast, voyage home in the *Blåfjeld*.

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7345. HOLTEDAHL, OLAF, 1885- . Geologische Karte der Arktis mit an-

grenzenden Gebieten. (Arktis, 1930. Jahrg. 3, p. 49-60, incl. 3 sketch maps; fold. map) *Title tr.*: Geological map of the Arctic and bordering regions.

Contains remarks on the general geologic structure of the map area.

Map: Geologic map, polar projection, to 60°N. (scale 1:20,000,000).

Copy seen: DLC; NNStef.

7346. HOLTEDAHL, OLAF, 1885- . Gjennem ukjendte strøk av Spitsbergens indland; en slaedetur Kingsbay-Woodbay-Ekmanbay paa Den norske Spitsbergen-ekspedition sommeren 1911. (Norsk geografisk selskab. Aarbok, 1910-11, p. 121-38, illus.) *Title tr.*: Through unknown regions of the Spitsbergen interior; a sledge journey, Kings Bay-Wood Bay-Ekman Bay on the Norwegian Spitsbergen Expedition in the summer of 1911.

Account of the author's topographical and geological trip to northwestern West Spitsbergen. *Copy seen:* DLC.

7347. HOLTEDAHL, OLAF, 1885- . New features in the geology of northwestern Spitzbergen. (American journal of science, May 1914. Ser. 4, v. 37, p. 415-24, illus.)

Description (in brief) of the "chief features of geologic structure and the essential stratigraphy" of that part of West Spitsbergen from Prince Charles Foreland to Wijde Bay, based on observations of Norwegian expeditions, 1909-12 (including the author's work, 1909-11).

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7348. HOLTEDAHL, OLAF, 1885- . Notes on the geology of northwestern Spitsbergen. Oslo, J. Dybwad, 1926. 28 p. illus., 7 plates (photos., 2 maps). (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter, nr. 8)

Short notes on observations, and general remarks on the geology, of the area visited by the author during Norwegian Spitsbergen Expeditions, 1909, 1910, and 1911.

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7349. HOLTEDAHL, OLAF, 1885- . Notes on the Ordovician fossils from Bear Island collected during the Swedish expeditions of 1898 and 1899. (Norsk geologisk tidsskrift, 1918. Bd. 5, p. 79-94, 3 plates)

Descriptions of five cephalopods, one brachiopod, and one coral species, with mention of bryozoans and crinoids, in a revision of the (hitherto) confused

record of the Ordovician of Bear Island, and a discussion of correlation with American and Siberian fossils of that age.

Copy seen: DGS.

7350. HOLTEDAHL, OLAF, 1885- . Novaya Zemlya, a Russian arctic land. (Geographical review, Oct. 1922. v. 12, p. 521-31, illus.)

General facts concerning the geography, physiography, plants and animals, and remarks on the Samoyed colonies.

Copy seen: DLC.

7351. HOLTEDAHL, OLAF, 1885- . O nauchnoi ékspeditsii na Novuiu Zemliu. (Akademiia nauk SSSR. Bulletin, jan.-déc., 1921. Sér. 6, t. 15, p. 152-54) *Title tr.:* About a scientific expedition to Novaya Zemlya.

Letter from the leader of the Norwegian expedition of 1921 to the Russian Commissar of Foreign Affairs, outlining itinerary and giving the author's opinion regarding lack of economic value of the Novaya Zemlya mineral deposits.

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7352. HOLTEDAHL, OLAF, 1885- . On fault lines indicated by the submarine relief in the shelf area west of Spitsbergen. (Norsk geografisk tidsskrift, 1936-37, pub. 1937. Bd. 6, p. 214-21, sketch maps) Reprinted as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 35.

Discussion of the resemblance between longitudinal channels in the shelf area west of West Spitsbergen, 76°30' to 79°38'N. and in a strip of the Norwegian continental shelf, and the evidence of faulting in the Cenozoic.

Copy seen: DLC; DGS (reprint only).

7353. HOLTEDAHL, OLAF, 1885- . On some Ordovician fossils from Boothia Felix and King William Land, collected during the Norwegian expedition of the Gjøa, Captain Amundsen, through the North-West Passage. Kristiania, J. Dybwad, 1912. 11 p. illus., 4 plates. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1912. No. 9)

List with descriptions, localities and discussion of eight species of fossil invertebrates.

Copy seen: DLC.

7354. HOLTEDAHL, OLAF, 1885- . On the fossil faunas from Per Schei's Series B on south-western Ellesmere-

land. Kristiania, A. W. Brøgger, 1914. 48 p. 8 plates, 2 maps (*In:* Norske videnskapsakademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 4, (no. 32))

Descriptions, with locations and synonymy of specimens representing forty-three (including nine new) species, with references to occurrence in eastern North America.

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7355. HOLTEDAHL, OLAF, 1885- . On the Paleozoic series of Bear Island, especially on the Heclahook system. (Norsk geologisk tidsskrift, 1919. Bd. 5, p. 121-48, 4 plates)

Discussion of the stratigraphy of the southern part of the island with remarks on the Ordovician fossils and their correlation with American arctic forms, and a table of mineralogical data on three rock specimens from the Heclahook system; based on investigations made in 1916.

Copy seen: DGS.

7356. HOLTEDAHL, OLAF, 1885- . On the rock formations of Novaya Zemlya, with notes on the Paleozoic stratigraphy of other arctic lands. Kristiania, A. W. Brøgger, 1924. 183, [1] p. illus., 44 plates (part fold.; incl. 9 maps) (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 22) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania).

"The geological structure of Novaya Zemlya, due to an intensive folding of practically all the rock . . . is extremely difficult to decipher . . . The object of my personal work . . . was to try to combine the facts stated before and to get an idea of the distribution of different divisions along the strike and in cross-sections."—Introduction.

Contains results of observations at twenty places, giving notes on the rocks and fossils and cross-section diagrams; a summary of knowledge on stratigraphy, structure and pre-Quaternary geologic history; notes on Paleozoic stratigraphy of other arctic regions; discussion of a possible Paleozoic geosyncline connecting Novaya Zemlya and Alaska; some general remarks on arctic Paleozoic faunas; and a bibliography (188 items).

A modification of these conclusions appears in Ermolaev, M. M. *Geologiya Novoi Zemli*, 2, 1936, q.v.

Copy seen: DLC.

7357. HOLTEDAHL, OLAF, 1885-. Paleogeography and diastrophism in the Atlantic-Arctic region during Paleozoic time. (American journal of science, Jan. 1920. Ser. 4, v. 49, p. 1-25, diagsr.)

A study of the northwest part of Europe and the Arctic lying north of it.

Copy seen: DLC.

7358. HOLTEDAHL, OLAF, 1885-. A "pipe-rock" in the upper Carboniferous of Bear Island. (Norsk geologisk tidsskrift, 1924-25, pub. 1926. Bd. 8, p. 270-80, illus.)

Description of the rocks, comparison with similar occurrences elsewhere in the world, discussion of possible origin, and brief remarks on the conditions under which the rocks were laid down.

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7359. HOLTEDAHL, OLAF, 1885-. Some points of structural resemblance between Spitsbergen and Great Britain, and between Europe and North America. Oslo, Jacob Dybwad, 1925. 20 p. sketch maps. (Norske videnskaps-akademi. Avhandlingar. Matematisk-naturvidenskapelig klasse, 1925, no. 4)

Contains discussion of likeness of sedimentary series and structure of the crust in Great Britain and on West Spitsbergen.

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7360. HOLTEDAHL, OLAF, 1885-. Some remarkable features of the submarine relief on the north coast of the Varanger Peninsula, northern Norway. Oslo, Jacob Dybwad, 1929. 14 p. maps (1 fold.) (Norske videnskaps-akademi. Avhandlingar. I Matematisk-naturvidenskapelig klasse, 1929. No. 12)

Discussion of the character and the geomorphology of the narrow coast platform 30-80 m. below sea level along the northeastern tip of Norway; the fiord basins and moraines, reference to other coastal regions in West Spitsbergen and Alaska showing similar conditions.

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7361. HOLTEDAHL, OLAF, 1885-. Summary of the geological results. Kristiania, A. W. Brøgger, 1917. 27 p. illus. 5 plates, port. (In: Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 4, (no. 36))

Summary of geological and paleontological investigations done by Per

Schei, geologist of the Second *Fram* Expedition at Folkefjord (about 78°20' N. 72°30' W. western coast of North Greenland) and on Ellesmere, Axel Heiberg and Devon Islands; also of work on Schei's collections done later by others and published in the Report of this expedition (as no. 1, 7, 22, 28-30, 32-34).

Copy seen: DLC.

7362. HOLTEDAHL, OLAF, 1885-. Tectonics of arctic regions. (Pan-American geologist, Nov. 1926. v. 46, p. 257-72, illus., 2 plates (diagsr.))

Paper presented at the Madrid meeting of the Fourteenth International Geological Congress, 1926, and published in its *Comptes rendus*, 1928. Fasc. 4, p. 1735-48.

Contains data on the structural history of Novaya Zemlya, West Spitsbergen and Bear Island.

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7363. HOLTEDAHL, OLAF, 1885-. An Upper Cambrian fauna of Pacific type in the European arctic region. (American journal of science, May 1922. Ser. 5, v. 3, p. 343-48, illus.)

Preliminary discussion of the brachiopod and trilobite fossils discovered by the author during the Norwegian Novaya Zemlya Expedition, 1921.

Copy seen: DLC.

7364. HOLTEDAHL, OLAF, 1885-. W. C. Brøgger. (Norsk geografisk tidsskrift, 1940-41, pub. 1941. Bd. 8, p. 6-8, illus.) Title tr.: W. C. Brøgger.

Notes the death of Professor W. C. Brøgger (1851-1940), and his contribution to the sciences, especially geology and mineralogy.

Copy seen: NNA.

7365. HOLTEDAHL, OLAF, 1885-. Zur Kenntnis der Karbonablagerungen des westlichen Spitzbergens. I. Eine Fauna der Moskauer Stufe. Kristiania, J. Dybwad, 1911. 46 p. illus., 5 plates (photos.) (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-videnskapelig klasse, 1911. No. 10) Title tr.: Concerning the Carboniferous deposits of West Spitsbergen. 1. Fauna of the Moscow series. Issued also as: Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques, 1916. T. 2, no. 3.

Based on fossil collections made by the author in 1909, on Schetelig Mt. located on the Brøgger Peninsula,

south of King's Bay. Contains introductory remarks on the Schetelig Mt. horizons and their relationships to the Moscow series; descriptions of forty-three species of fossil corals, crinoids, bryozoans, brachiopods, gastropods, trilobites, and fishes, including a new crinoid and brachiopod species; and a conclusion concerning the certainty of relationship of this Carboniferous fauna to the Russian middle Carboniferous, Moscow series.

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7366. HOLTEDAH, OLAF, 1885- . Zur Kenntniss der Karbonablagerungen des westlichen Spitzbergens. II. Allgemeine stratigraphische und tektonische Beobachtungen. Kristiania, J. Dybwad, 1913. 3 p. l., 91 p. illus., 11 plates (photos., part fold.) 3 col. maps (2 fold.) (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1912. No. 23) **Title tr.:** Concerning the Carboniferous deposits of West Spitsbergen. II. General stratigraphic and tectonic observations. Issued also as: Norske Spitsbergenekspeditioner, 1909-1910. Résultats scientifiques, 1916. T. 2, no. 11.

Based on observations made during the Norwegian Spitsbergen Expeditions under Isachsen, 1909-10, and Hoel-Staxrud, 1911. Discussion of the stratigraphy of the Peninsula west of Green Harbor and the coast north to King Bay (78°-79°N.), an annotated list of twenty (including a few new) species of fossil invertebrates found; and description of tectonics of the west coast from Brøgger Peninsula to Green Harbor.

Maps include geological map of the west coast 78°10'-79°N. (1:200,000) and of Brøgger Peninsula (1:100,000).

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HOLTEDAH, OLAF, 1885- , *see also* Hoel, A., & O. Hortedahl. Nappes de lave Spitsberg. 1911.

HOLTEDAH, OLAF, 1885- , *see also* Norske Novaja Semlja ekspedisjon, 1921. Report of scientific results. 1924-30.

7367. HOLTUM, RICHARD ERIC, 1895- . The vegetation of West Greenland. (Journal of ecology, 1922. v. 10, no. 1, p. 87-108, 3 plates)

Contains a critical survey of the literature on the subject and data on topography, climate and classification of vegetation types; with a small bibliography.

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7368. HOLTVED, ERIK, 1899- . Arbejder og indtryk under to aars ophold blandt Polareskimoerne 1935-37. (Grønlandske selskab. Aarskrift, 1938. p. 60-78, illus.) **Title tr.:** Investigations during and impressions from a two-year stay among the Polar Eskimos, 1935-37.

Notes Therkel Mathiassen's archaeological excavations and ethnological studies in Greenland since 1929; the author's similar investigations at Thule, 1935, 1937 and at Marshall Bay, Inglefield Land (approximately 78°55' N.) 1936; Norse and Eskimo relics discovered; also data on Eskimo folklore, conditions of livelihood, and wildlife, etc.

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7369. HOLTVED, ERIK, 1899- . Archaeological investigations in the Thule District. København, C. A. Reitzel, 1944. 2 v: 308 p.; 184 p. 110 illus. (incl. 3 maps, plans, profiles) 49 plates, tables. (Meddelelser om Grønland. Bd. 141, nr. 1-2)

Results of the author's work, Aug. 1935-Aug. 1937, in the Thule District and Inglefield Land.

Contents: v. 1. Descriptive part. 1. Introduction. Settlements in the Thule District. 2. Description of ruin sites and the excavated ruins. 3. Description of the objects found. 4. Analysis of metal objects.

v. 2. Analytical part. 1. Excavated material. Mutual relationship of middens, age of house ruins. Chronological group-distribution. 2. Culture developments in Thule District. 3. Thule in relation to the rest of Greenland. 4. Relations with the Dorset and Thule cultures in Canada. 5. Relation between Thule cultures of Inglefield and Canada. 6. Position of the Ruin Island people in Eskimo culture. 7. Clothing. 8. Contribution of the Thule District towards elucidating the development of the Eskimo culture. Bibliography (84 items). Reviewed by T. Mathiassen in his *Archeology of the Thule District*, 1944-45, q.v.

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7370. HOLTVED, ERIK, 1899- . The Eskimo legend of Navaranâq; an ana-

lytical study. København, E. Munksgaard, 1943. 42 p. (Acta arctica. Fasc. 1)

Tale about a girl's treachery and subsequent punishment; first recorded in Labrador and West Greenland, later from Baffin Island and west coast of Hudson Bay, and now in the literature, in fourteen versions representing the principal Eskimo groups from Copper Eskimos eastward to the East Greenlanders. *Copy seen:* CaMAI.

7371. HOLTVED, ERIK, 1899-. Foreløbig beretning om Den arkaeologisk-etnografiske expedition til Thule distriktet, 1935-1937. (Geografisk tidsskrift, København, 1938. Bd. 41, p. 1-24) *Title tr.:* Preliminary report of the Archeological-Ethnographical Expedition to Thule District, 1935-37.

Preliminary report on investigation of former Eskimo habitations on the northwest Greenland coastal region 76-79°N. under auspices of the Danish government and private foundations, 1935-37.

Contains account of the author's trips and excavations in the Thule region, and Inglefield Land, Eskimo and Norse ruins and objects found there; discussion of their culture types; also remarks on the author's collection and recording of legends and drum-songs, etc., of the Eskimos now living in the region. Summary in English.

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HOLTVED, ERIK, 1899-. *see also* Gad, F. Grønlands historie 1500-1945. 1946.

HOLTVED, ERIK, 1899-. *see also* Mathiassen, T. Contributions to archaeology Disko B. 1934.

HOLTVED, ERIK, 1899-. *see also* Mathiassen, T., & E. Holtved. Eskimo archaeology Julianehaab. 1936.

HOLVEG, OLIVER SIMEON, 1903-
see OLIVER, SIMEON, 1903-

7372. HOLZAPFEL, RUPERT. Diskussion der Ergebnisse der meteorologischen Beobachtungen im Bereich der Weststation. (Deutsche Grönland-Expedition Alfred Wegener. 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1939. Bd. 4, Meteorologie, Halbbd. 2: Die Ergebnisse, p. 137-248, illus., tables, diagrs.) *Title tr.:* Discussion of the results of meteorological

observations taken at the West Station and in its vicinity. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931)

Includes, besides the results from the West Station on the edge of the inland ice, at 71°12'N. 51°07'42"W., those from the stations at Kamarujuk, 71°09'N. 51°14'W., and at Umanak, 70°40'N. 52°09'W., where simultaneous observations were made, Sept. 1930-Aug. 1931.

Contains an analysis of air temperature at Kamarujuk, West Station, and Umanak, June 1930-Sept. 1931, and a comparison of them according to their average, and frequency values, by monthly, pentadal, daily and bihourly periods, the number of days with maximum and minimum temperatures by five-degree intervals, and the number of hours when the temperature exceeded specified temperature values. Thermograph charts show foehn effect on temperature (p. 137-86).

A comparison and tabulation of the average and extreme monthly pressure at West Station and Umanak, July 1930-Sept. 1931. Bihourly averages, Nov. 1930-Sept. 1931 showing daily course of pressure. Average monthly values and/or daily course values (8, 14, and 21 hours or bihourly values) of humidity, wind direction and speed, and cloudiness during the same period (p. 186-205, 207-22, and p. 326-27).

The results of 24 pilot balloon ascents at West Station, Sept. 17, 1930 to July 21, 1931, tabulated for standard levels up to 10,000 meters (p. 206).

Study of the typical weather situation in connection with the general synoptic weather situation over Greenland. Summary of the general characteristics of weather in a Greenland fiord, on the basis of observations made in Nordost Bugt (p. 222-48).

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7373. HOLZAPFEL, RUPERT. Ergebnisse der Registrierung der Windgeschwindigkeit an der Weststation. (Deutsche Grönland-Expedition Alfred Wegener. Wissenschaftliche Ergebnisse, 1940. Bd. 5, p. 73-91, incl. 14 p. of tables) *Title tr.:* Results of the wind speed records of the West Station. (German Greenland Expedition Alfred Wegener, 1929 and 1930-31)

The West Station was on the edge of the inland ice northeast of Kamarujuk, at about 71°12'N. 51°07'42"W.

Contains hourly data in meters per second, for each day, Aug. 10, 1930–Sept. 16, 1931 (with a few interruptions); mean daily data for each of the same months, taken at Scheideck, 71°10'51"N. 51°08'25"W., and brief discussion. *Copy seen:* DLC.

7374. HOLZAPFEL, RUPERT. Die Fahrt der "Sachsen" vor Ostgrönland im Herbst 1940. [Bad Kissingen, June 1949] 7 p., 1 l. table, fold. chart. (Bound with his: Die Tätigkeit des deutschen Wetterdienstes der Luftwaffe in der Arktis, 1949) Reproduced from typewritten copy. *Title tr.:* Voyage of the *Sachsen* along East Greenland in the fall of 1940.

Report of the German Weather Service in the U. S. Zone. Account of the seventy days at sea, Sept.–Nov., of this German weather ship, at the edge of the pack ice off East Greenland; with notes from a diary on radio communication, radiosonde ascensions, and ice conditions (with chart, about 65°–69° N.) and with a few weather data for Sept. 24–29, 1940.

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7375. HOLZAPFEL, RUPERT. Meteorologische Beobachtungen in Kamarujuk. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930–1931. Wissenschaftliche Ergebnisse, 1939, Bd. 4, Meteorologie, Halbbd. 2: Die Ergebnisse, p. 249–73, incl. 15 p. of tables *Title tr.:* Meteorological observations in Kamarujuk. (German Greenland Expedition Alfred Wegener, 1929 und 1930–1931)

Kamarujuk lies at 71°09'N. 51°14'W., the innermost corner of Kamarujuk (i.e. Qaumarujuk) Fiord, in the Umanak Fiord region. It was a supplies station only, and made meteorological observations incidentally to the planned work of the expedition. This paper gives the results of its daily routine observations of temperature and humidity, wind direction and force and cloudiness at 8, 14 and 21 hours, July 8, 1930 to Sept. 22, 1931 (temperature and humidity only during July 7–Dec. 18, 1930), with weather notes.

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7376. HOLZAPFEL, RUPERT. Die Tätigkeit des Deutschen Wetterdienstes der Luftwaffe in der Arktis während

des Krieges. [Bad Kissingen, June 1949] p. l., 20 p. fold. map. (Deutscher Wetterdienst in der U. S.-Zone. Berichte) *Title tr.:* Activities of the German Air Force Weather Service in the Arctic during the war. (Report of the German Weather Service in the U. S. Zone)

Contents tr.: A. Routine activity of the ring of weather stations. (Location, type of observation, flights and personnel of stations in northern Norway, Bear Island, West Spitsbergen and Hope Island, 1940–44).

B. Special research. 1. The weather ship *Sachsen*. (Note on its program carried out between Greenland and Spitsbergen at the ice limit). 2. Special activity from Norway. (Account of establishment of a station at Longyearbyen, West Spitsbergen, 1941–42; of flights to Novaya Zemlya and Bear Island, and weather station on Hope Island).

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7377. HOLZAPFEL, RUPERT. Die Weststation und die Station Umanak. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930–1931. Wissenschaftliche Ergebnisse, 1935–1939. Bd. 4, Meteorologie, Halbbd. 1, Das Beobachtungsmaterial, p. 387–530, incl. 93 p. of tables and diagrs. Nachträge, Halbbd. 2: Die Ergebnisse, p. 326–28) *Title tr.:* The West Station and Umanak Station. (German Greenland Expedition Alfred Wegener, 1929 und 1930–1931)

Meteorological observations taken at about 71°12'N. 51°05'W. on the edge of the inland ice and at Umanak, 25 meters above sea level, about 70°40'N. 52°09'W.

Contains 1. Tables of daily meteorological observations at 8, 14 and 21 hours at the Umanak station, June 20, 1930 to Sept. 30, 1931 (p. 388–403).

2. Remarks on the methods and equipment of the West Station, and tables of daily observations at 8, 14, and 21 hours, Aug. 10, 1930 to Sept. 19, 1931; pressure records Nov. 10, 1930 to Sept. 19, 1931; two-hourly pressure tables, same dates; two-hourly temperature tables, Aug. 6, 1930 to Sept. 18, 1931; remarks on the weather to accompany these daily observations; upper wind observations from twenty-five aerological ascents (p. 404–69).

3. Radiation observations. Tables of hourly sunshine records, Aug.–Oct.

1930, Feb.-Sept. 1931, with actinograph records; intensity of solar radiation (same dates) and other tables of total intensities and intensities through red filters, monthly heat sums, etc. (p. 469-513).

4. Measurements of the temperature of the snow surface at the winter house, i.e. West Station (p. 513-17).

5. The fluctuation of barometric altitude determination between Umanak and Scheideck (71°10'N. 51°08'W.) (p. 317-22).

6. Simultaneous observations at Scheideck and at the winter house (West Station) which were 2½ kilometers apart at about the same altitude on the west edge of the inland ice. Tables of temperature and wind, for winter and summer, with discussion of conclusions to be drawn from them.

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7378. **HOLZAPFEL, RUPERT, and GERHARD KIRSCH.** Über die Oberflächenwellen des grönländischen Inland-eises. (Meteorologische Zeitschrift, Juli 1934. Bd. 51, p. 262-64, diagr.) *Title tr.:* Notes on the surface undulations of the Greenland inland ice.

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HOLZAPFEL, RUPERT, *see also* Gesellschaft für Erdkunde Berlin. Deutsche Grönland-Exped. 1929-31. 1932.

HOLZAPFEL, RUPERT, *see also* Kopp, W., & R. Holzapfel. Beiträge z. Mechanismus d. Witterungsverlauf Grönland (Exped. Wegener). 1939.

HOLZAPFEL, RUPERT, *see also* Wegener, E., *ed.* Alfred Wegeners letzte Grönlandfahrt. 1932.

HOLZAPFEL, RUPERT, *see also* Wegener, K., & R. Holzapfel. Schneefegen. (Exped. Wegener). 1933.

7379. **HOLZWORTH, JOHN MICHAEL,** 1888-. The wild grizzlies of Alaska; a story of the grizzly and big brown bears of Alaska, their habits, manners and characteristics, together with notes on mountain sheep and caribou, collected by the author for the United States Biological Survey. New York, London, G. P. Putnam's Sons, 1930. xxi, p., 1 l., 417 p. col. front., 80 plates, maps on lining-papers.

A plea for protection of the grizzly and big brown bear, based on studies during the summer and fall of 1927-

29, on the Islands of Admiralty, Chichagof, and Baranof (with one fall spent in the interior of Alaska). Includes an account of the author's three expeditions, including a trip to Chickaloon Pass (north of Seward, and east of the Alaska Railway); sections on the classification, description, habits, food, intelligence, popular fallacies concerning, and legal protection of bears; methods of making, and value of motion pictures of bears and large game; and notes on mountain sheep and caribou.

Appendix: Merriam, C. H. *Ursus holzworthi*, a new grizzly from the Talkeetna Mountains, Alaska (p. 409-12). Indexed. *Copy seen:* DSI-M.

7380. **HOMÉN, VIKTOR THEODOR,** 1858-, *editor.* East Carelia and Kola Lapmark, described by Finnish scientists and philologists, Theodor Homén [editor] London, New York [etc.] Longmans, Green and Co., 1921. xiii p., 1 l., 264 p. 61 illus. (music) plates, 14 maps (13. fold.)

A translation, with slight changes, from the Swedish edition which is a translation of the Finnish edition (*Itä-Karjala ja Kuollan Lappi*, Helsinki, [1918]) with the addition of a chapter and map on the claim of Finland to a share in the arctic coast.

A general description of the physical, social, and economic geography of the Kola and Karelia areas before 1917, by J. G. Gravö, O. Lönnroth, and others, under the editorship of V. T. Homén. Includes such topics as vegetation zones, Lapp, Finn, and Russian population, fishing on the Murman and Ter coasts, and history of the Norwegian-Swedish-Russian-Finnish boundaries in the Pechenga area.

Maps include: (1) Norwegian-Russian-Finnish boundaries in the Pechenga area, 1826-1920, scale 1:1,000,000 (fold.); (2) geological map of eastern Karelia and Kola Lapland, scale about 1:2,500,000 (fold.); (3) three maps of northern Fennoscandia and vicinity showing twenty-year mean annual, July, and January isotherms (fold.); (4) vegetation provinces, eastern Karelia and Kola Lapland, scale about 1:5,000,000; (5) three maps of eastern Karelia and Kola Lapland, scale about 1:2,700,000 (fold.), showing distribution of plants of exacting habitats, and distribution of soil according to its

quality as deduced in part from botanical information, (6) eastern Karelia and Kola Lapland, scale 1:2,000,000 (fold.), showing topographic features, political and linguistic boundaries, northern limit of pine and fir, and communes ranked by size of population.

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7381. HOMÉN, VIKTOR THEODOR, 1858- , editor. Itä-Karjala ja Kuollan Lappi, suomalaisten luonnonja kielen-tutkijain kuvaamina, toimittanut Theodore Homén. Helsinki, Otava [1918] xv, 384 p. 61 illus. (music) plates, 12 maps (11 fold.)

Published also in Swedish translation, in 1920, with addition of a chapter and map on the claims of Finland to a share in the arctic coast. English translation of Swedish edition appeared as *East Carelia and Kola Lapmark*, Helsingfors, 1921, q.v.

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7382. HOMEYER, ALEXANDER von. Lepidopteren. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nord-polarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 407-410)

Account of four butterflies positively identified, and descriptions, with discussion of two (one new) larvae, one of which is in doubt, from northeast Greenland, with remarks on Labrador and Finnmark occurrences.

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HONE, ELISABETH, see American Committee for International Wildlife Protection. Present status musk-ox N. America & Greenland. 1934.

7383. HONEYMAN, A. VANDOREN. Reindeer-land. (Arctic sketches). Plainfield, N. J., 1905. 100 p. front.

Prepared for younger readers; gives an informative sketch of the country and customs of the Lapps, with some remarks on reindeer.

Copy seen: NNS Stef.

7384. HONIGMANN, JOHN JOSEPH, 1914- . Foodways in a muskeg community. Anthropological report on the Attawapiskat Indians presented to the National Committee for Community Health Studies. 1948. 331 p. typescript.

Based on anthropological field work, July 27, 1947-June 6, 1948, among the Cree Indians. The report contains introductory material on the physical en-

vironment of the west coast of James Bay, the demography, community and family organization, and individual life cycle.

Detailed description of annual cycle and seasonal diets, sources of food, cost of living, preparation of food, preservation, and eating. Recommendations and statement of problems; bibliography (30 items). **Copy seen:** CaOH.

HOOD, ROBERT, see Franklin, Sir J., & others. Observations aurora Ft. Enterprise. 1823.

7385. HOOKER, Sir JOSEPH DALTON, 1817-1911. Notes on the plants. (In: Markham, Sir A. H. A polar reconnaissance 1879, pub. 1881. Appendix A. p. 323-32)

Discussion of phytogeographic relationships of West Greenland, West Spitsbergen and Novaya Zemlya; and a catalog, with localities, of eighty-nine species of fungi (one), lichens (thirteen), mosses (seventeen), liverworts (one), and flowering plants (fifty-seven), collected by Markham in Novaya Zemlya, 1879.

Copy seen: DLC; NNS Stef.

7386. HOOKER, Sir JOSEPH DALTON, 1817-1911. On some collections of arctic plants, chiefly made by Dr. Lyall, Dr. Anderson, Herr Miertsching, and Mr. Rae, during the expeditions in search of Sir John Franklin, under Sir John Richardson, Sir Edward Belcher, and Sir Robert M'Clure. (Linnean Society of London. Journal; botany, 1857. v. 1, p. 114-24)

A record of the plant collections of (1) Dr. Lyall, on Sir E. Belcher's expedition, 1852-54, in Disko and Whale Fish Islands, and Cape York (Greenland) and in Lancaster Sound, Beechey Island, Wellington Channel, and Northumberland Sound; (2) M'Clure's expedition, 1850-54, in Banks Island, west coast of Prince of Wales Island, Cape Bathurst, and mainland shore south of Banks Island; (3) Richardson's expedition 1847-50, from Great Bear Lake to Coppermine River mouth, and south shore of Victoria Island. The record lists from (1), one hundred fifty-two species of flowering plants, mosses and liverworts; from (2), one hundred eight flowering plants; and from (3), seventy-nine flowering plants.

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7387. HOOKER, Sir JOSEPH DALTON, 1817-1911. Outlines of the distribution of arctic plants. (Linnean Society of London. Transactions, 1861. v. 23, p. 251-348, tables, map)

Discussion of about nine hundred species which grow above the Arctic Circle, and a tabular view of their distribution in northern Europe, Asia, western and eastern North America and Greenland, and remarks on slow changes of climate during and since the glacial period as the factor accounting for their distribution.

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HOOKER, Sir JOSEPH DALTON, 1817-1911, *see also* Lyon, G. F. Brief narrative attempt Repulse Bay. 1825.

HOOKER, Sir JOSEPH DALTON, 1817-1911, *see also* Nares, Sir G. S. Narrative voyage polar sea 1875-6. 1878.

7388. HOOKER, Sir WILLIAM JACKSON, 1785-1865. Account of the plants. (*In*: Parry, Sir W. E. Journal of a second voyage . . . 1821-23. Appendix, 1825. p. 381-430, 2 plates)

A classified catalog, with notes on occurrence, some descriptions and localities, of two hundred fourteen species of flowering plants from the Melville Peninsula and two nearby islands (Winter and Igloodik).

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7389. HOOKER, Sir WILLIAM JACKSON, 1785-1865. Botany. (*In*: Parry, Sir W. E. Journal of a third voyage . . . 1824-25, *pub.* 1826. Appendix. p. 121-31)

Classified list (with reference to mention by earlier expeditions in the region, localities, and some notes) of sixty-six flowering plants, two ferns, three mosses, and twelve lichens, from Port Bowen (Baffin Island) North Somerset Island or Whale-fish Islands (West Greenland). *Copy seen:* DLC.

7390. HOOKER, Sir WILLIAM JACKSON, 1785-1865. Botany. (*In*: Parry, Sir W. E. Narrative of an attempt to reach the North Pole . . . 1827, *pub.* 1828. Appendix. p. 207-222)

Based on plants collected principally by the men who remained with the *Hecla* at Treurenberg Bay (north coast, West Spitsbergen) but including a few from Ross Islet (the most north-

erly), and other islands of the archipelago. A classified list, with references to occurrences as recorded in narratives of earlier voyages, and localities, of forty species of flowering plants, two ferns, twenty-one species of mosses and liverworts, twenty-three lichens, and two algae (including a discussion of red snow); with an additional list of forty-five species (of all groups) from Hammerfest, Norway.

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7391. HOOKER, Sir WILLIAM JACKSON, 1785-1865. Flora boreali-americana; or, The botany of the northern parts of British America: comp. principally from the plants collected by Dr. Richardson & Mr. Drummond on the late northern expeditions, under command of Captain Sir John Franklin, R.N. To which are added (by permission of the Horticultural Society of London), those of Mr. Douglas, from North-West America, and of other naturalists. London, H. G. Bohn [1829]-1840. 2 v. v. 1: vii, 351 p., front. (fold. map), 128 plates; v. 2: 328 p., plates 129-238. 30 x 24 cm.

Originally published in parts: v. 1, pt. 1, p. 1-48, 1829; pts. 2 and 3, p. 49-144, 1830; pts. 4-6 concluding v. 1, 1834; v. 2, pt. 7, p. 1-48, 1834; pt. 8, p. 49-96, 1838; pt. 9, p. 97-144, 1838; pt. 10, p. 145-92 [1838]; pt. 11, p. 193-241, 1839; pt. 12, p. 241-end. 1840. (dates given by B. D. Jackson in *Bulletin de l'herbier boissier*, 1893, v. 1, p. 298)

Botany of Canada, Alaska, and Greenland, exclusive of cryptogams except ferns, based upon the collections of the Franklin, Parry, Beechey, and other expeditions, giving description, synonymy, and locality of each species.

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7392. HOOKER, Sir WILLIAM JACKSON, 1785-1865. List of plants collected by Mr. Richard King, during the progress of the expedition. (*In*: Back, Sir G. Narrative of the Arctic Land Expedition, 1836. Appendix 2, p. 523-31)

List, with localities including Great Slave Lake and Back River.

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7393. HOOKER, Sir WILLIAM JACKSON, 1785-1865, and G. A. W. ARNOTT. The botany of Captain Beechey's voyage; comprising an account of the

plants collected by Messrs. Lay and Collie, and other officers of the expedition, during the voyage to the Pacific and Behring's Strait, performed in His Majesty's ship Blossom, under the command of Captain F. W. Beechey . . . in the years 1825, 26, 27, and 28. London, H. G. Bohn, 1841. 2 p. l., 485 p. 99 plates.

Includes lists, with discussion, of 115 species of plants found in the Avacha Bay area, Kamchatka (p. 111-20), and 232 species found in the Alaska coastal area from 67°N. to 71°N. (p. 120-34). A more detailed treatment of the Alaskan plants is contained in Hooker's *Flora boreali-americana*, [1829]-1840, q.v. **Copy seen:** DLC.

HOOKEE, Sir WILLIAM JACKSON, 1785-1865, *see also* Rae, J. Narrative exped. 1846-47. 1850.

HOOKEE, Sir WILLIAM JACKSON, 1785-1865, *see also* Scoresby, W. Journal voyage to northern whale-fishery. 1823.

HOOKEE, Sir WILLIAM JACKSON, 1785-1865, *see also* Simpson, T. Narrative discoveries N. coast, 1836-39. 1843.

HOOKEE, Sir WILLIAM JACKSON, 1785-1865, *see also* Sutherland, P. C. Journal of voyage. 1850-51. 1852.

7394. HOOPER, CALVIN LEIGHTON. Eruption of Bógoslov. (American Geographical Society, N. Y. Journal (Bulletin) 1891. v. 23, p. 582-82)

A letter from the captain of U. S. Revenue cutter *Corwin*, dated St. Paul's Island, Bering Sea, July 13, 1891, reporting on work carried out upon Bógoslov Island, and describing its condition. **Copy seen:** DLC.

HOOPER, CALVIN LEIGHTON, *see also* U. S. Revenue Cutter Service. Report sea-otter banks Alaska. 1897.

7395. HOOPER, WILLIAM HULME, 1827-1854. Ten months among the tents of the Tuski, with incidents of an arctic boat expedition in search of Sir John Franklin, as far as the Mackenzie River, and Cape Bathurst. London, J. Murray, 1853. xv, [1] 417, [1] p. illus., 11 plates (part col.) fold. map.

An account of the expedition of H.M.S. *Plover*, under Capt. T. E. L. Moore, 1848-51, during which the ves-

sel wintered, 1848-49, on the Chukotsk Peninsula (Plover Bay), later to sail north and east through the Beaufort Sea. The author made two trips up the Mackenzie River to Fort Simpson and north again; then returned to England, overland through Canada. He includes in his narrative, detailed descriptions of the life, customs, dwellings, clothing and beliefs of the Chukchis, and (in less detail) of the North Alaska Eskimos; notes on the Mackenzie Eskimos and Indians, and on the sea and river ice, hunting, trapping and character of the territory covered in his journeys. **Copy seen:** DLC; NNSf.

7396. HOPE, C. E., and T. M. SHORTT. Southward migration of adult shorebirds on the west coast of James Bay, Ontario. (Auk, Oct. 1944. v. 61, p. 72-76)

Annotated list of fifteen species, and notes on general observations made, July 15-25, 1942, during a canoe trip from Fort Albany to Moosonee.

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7397. HOPKINS, DAVID M. Thaw lakes and thaw sinks in the Imuruk Lake area, Seward Peninsula, Alaska. (Journal of geology, Mar. 1949. v. 57, p. 119-31, 2 plates, sketch map, diags.)

The lakes and depressions are ascribed to subsidence following the thawing of perennially frozen ground. The author gives notes on geographic and geologic setting, frost riving and soil formation, distribution and character of perennially frozen ground; description of thaw lakes, discussion of their enlargement and eventual drainage; comparison of the origins of drained thaw lakes and thaw sinks; and evidence to show that the present climate of the area is cold enough to form a small thickness of permafrost, but that the present large thickness is probably unstable under existing climatic conditions. **Copy seen:** DGS.

7398. HOPKINS, LEONARD. The Kenai Peninsula, sportsmen's paradise. Alaska life, Mar. 1946. v. 9, no. 3, p. 28, 43)

Description of big game and remarks on fishing. **Copy seen:** DLC.

HOPKINS, PAUL, *see* Geist, O. W., & F. G. Rainey. Archaeological excavation at Kukulik. 1936 [1937].

7399. HOPKINS, OLIVER B. The "Canol" project, Canada provides oil for the Allies. (Canadian geographical journal, Nov. 1943. v. 27, p. 238-49 (incl. 4 p. illus.))

Contains a history of the development of the Norman oil wells, and of the events and problems associated with the beginning of the development of the project. **Copy seen:** DLC.

7400. HOPPER, BRUCE. Sovereignty in the Arctic. (Bulletin on the Soviet Union, Aug. 30, 1937. v. 2, p. 81-83)

Notes on the sector principle and the need for a convention on sovereignty.

Copy seen: MH; NN; NNS Stef.

7401. HOPPIN, BENJAMIN, 1851-1923.

A diary kept while with the Peary Arctic expedition of 1896. [New Haven? Conn., 1897?] 80 p. front. (map) plate. Second edition 1900, with 3 additional pages (including 2 p., errata).

Contains note of personnel of Peary's and other parties, and day-to-day record, July 15-Sept. 26, 1896, of the voyage of the steamship *Hope* (Captain John Bartlett) from Sydney, Nova Scotia, by Big Island in Hudson Strait, the West Greenland coast, to Meteor Island in Melville Bay off Cape York, and the coast of Hayes Peninsula; the record includes notes on the weather (mainly air and sea temperatures), descriptions of the localities visited, sites of previous expeditions' winterings, etc., efforts of Peary's party (of which author was mineralogist) to remove meteorite, and work of other parties (Cornell University's and George Bartlett's) on the *Hope*.

Appendix contains historical notes, and errata, p. 82-83.

Copy seen: DLC (80 p.); NhD (83 p.); NNS Stef.

HOPPNER, RICHARD BELGRAVE, *see* Kruzenshtern, I. F. Voyage round world. 1813.

HORETH, JOHN M., *see* Wilson, J. T., & J. M. Horeth. Bending & shearing tests lake ice. 1948.

HORN, Capt., *see* Pfeffer, G. J. Fauna d. Ins. Jeretik. 1890.

7402. HORN, GUNNAR, 1894-1947. Beiträge zur Kenntnis der Kohle von Svalbard (Spitzbergen und der Bäreninsel). Oslo, J. Dybwad, 1928. 60 p.

illus., 5 plates. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 17) **Title tr.:** Concerning the coal on Svalbard (Spitsbergen and Bear Island).

A study of the geology and petrography, composition and optical properties of the coal, with a brief summary of the economic exploitation of the deposits, and a bibliography.

Copy seen: DLC.

7403. HORN, GUNNAR, 1894-1947. Da vi fant Andréelejren. (Polar-år-boken, 1940, p. 18-21, illus.) **Title tr.:** When we discovered Andrée's camping hut.

On discovery of the Andrée balloon expedition remains, 1930, on White Island. **Copy seen:** NNA.

7404. HORN, GUNNAR, 1894-1947. Franz Josef Land natural history, discovery, exploration, and hunting. Oslo, J. Dybwad, 1930. 54 p. illus., fold. map. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 29)

Includes a "Table of expeditions to Franz Josef Land, 1865-1928," p. 33-37; and a bibliography arranged by subject, p. 38-54. **Copy seen:** DGS.

7405. HORN, GUNNAR, 1894-1947. Norges Svalbard- og Ishavs-undersøkelser ekspedisjon til Sydøstgrønland med "Veslemari" sommeren 1932. (Norsk geografisk tidsskrift, 1932-33, pub. 1933. Bd. 4, p. 409-27, illus., sketch map) **Title tr.:** The expedition of the Norwegian Svalbard Research Office to southeast Greenland on the *Veslemari* during the summer of 1932. Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 24.

Contains account of the trip across the sea and in fiords southward from Skjoldungen Island to Lindenows Fiord, the region traversed and the scientific work done and a note on the ship.

Copy seen: DLC.

7406. HORN, GUNNAR, 1894-1947. Norges Svalbard- og Ishavs-undersøkelser ekspedisjoner sommeren 1930. Ekspedisjonen til Franz Josefs land. (Norsk geografisk tidsskrift, 1930-31, pub. 1931. Bd. 3, p. 396-405, illus., sketch map) **Title tr.:** Expeditions sponsored by Norges Svalbard- og Ishavs-undersøkelser (The Norwegian Office for Svalbard Research) during

the summer of 1930. The Expedition to Franz Josef Land.

Account of the Norwegian Expedition to Franz Josef Land in 1930 under G. Horn, from northern Norway via Hope and White Island to Franz Josef Land islands and waters.

Copy seen: DLC.

7407. HORN, GUNNAR, 1894-1947. Petrified wood from a Tertiary coal-seam in Spitsbergen. (Norsk geologisk tidsskrift, 1935. Bd. 14, p. 312-15)

Description of samples found in a coal seam at Longyearbyen, Advent Fiord, and discussion of mineralization process.

Copy seen: DGS.

7408. HORN, GUNNAR, 1894-1947. Petrology of a middle Devonian coal seam in Spitsbergen. (Norsk geologisk tidsskrift, 1941. Bd. 21, p. 13-18, plate) Reprinted as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse, 1941. Nr. 50, p. 13-18)

Report on a chemical and petrographic study of samples of coal collected by T. Vogt in Mimer Valley, 1928.

Copy seen: DGS.

7409. HORN, GUNNAR, 1894-1947. Recent Norwegian expeditions to southeast Greenland. (Norsk geografisk tidsskrift, 1939. Bd. 7, hefte 5-8, p. 196-205, illus.) Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse. Nr. 45.

Account of Norwegian expeditions to southeast Greenland during the summers 1931-1938, and of meteorological work, fox trapping, fishing, etc., during the winters. Includes remarks on the meteorological station, Torgilsbu.

Copy seen: DLC.

7410. HORN, GUNNAR, 1894-1947. Über die Bildung von Karstenhöhlen unter einem Gletscher. (Norsk geografisk tidsskrift, 1934-35, pub. 1935. v. 5, p. 494-98) *Title tr.:* On the formation of karst caves under a glacier.

Discussion of temperature of rocks under glaciers, and the formation (by the solvent action of water on limestone) of karst caverns in rocks covered by glaciers; with remarks on observations made on West Spitsbergen. Bibliography (9 items).

Copy seen: DLC.

7411. HORN, GUNNAR, 1894-1947. Über gagatartige Kohle aus Spitzber-

gen. (Norsk geologisk tidsskrift, 1929. Bd. 10, p. 213-15) *Title tr.:* On a jet-like coal from Spitsbergen.

Microscopic study of fossil wood consisting of coal, from the mountains south of Sassen Bay.

Copy seen: DGS.

7412. HORN, GUNNAR, 1894-1947, and ANDERS K. ORVIN. Geology of Bear Island with special reference to the coal deposits, and with an account of the history of the island. Oslo, J. Dybwad, 1928. x, 1 l., 152 p. illus., 9 fold. plates (incl. col. map) diags. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 15)

Contains description of the geography, the stratigraphic and historical geology, coal deposits and mining, the fire clay and minerals, the history of the island and a bibliography.

Copy seen: DLC.

HORN, GUNNAR, 1894-1947, see also Kolloquium über Arktis, 1930. Vorträge. 1930.

HORN, GUNNAR, 1894-1947, see also Svenska sällskapet för antropologi och geografi, Stockholm. Andrée's story. 1930.

HORN, GUNNAR, 1894-1947, see also Svenska sällskapet för antropologi och geografi, Stockholm. En ballon vers pôle. 1931.

HORN, GUNNAR, 1894-1947, see also Svenska sällskapet för antropologi och geografi, Stockholm. Dem Pol entgegen. 1930.

HORN, GUNNAR, 1894-1947, see also Svenska sällskapet för antropologi och geografi, Stockholm. Med Örnen mot polen. 1930.

HORN, REINHOLD, see Bertelsen, A. Grønlaenderne i Danmark 1605 til vor tid. 1945.

HORN, REINHOLD, see also Bertelsen, A. Tilføjelse til Bemaerkninger. 1913.

7413. HORN AF RANTZIEN, HENNING. Om *Pleurospermum austriacum* (L.) Hoffm. emend. Turcz. dess taxonomi, utbredning och ekologi. (Svensk botanisk tidsskrift, 1946. Bd. 40, häfte 2, p. 179-213, illus. test map) *Title tr.:* On the taxonomy, distribution and ecology of *Pleurospermum austriacum* (L.) Hoffm. emend. Turcz.

Contains taxonomic, geobotanical and ecological surveys of *Pleurospermum austriacum*, an herb of the carrot family (*Umbelliferae*), occurring in the Arkhangelsk region, Yenisey River basin (up to 69°30'N.) and Kamchatka Peninsula; bibliography (66 items). Summary in English.

Copy seen: MH-A.

7414. HORNBY, JOHN, d. 1927. Wild life in the Thelon River area, Northwest Territories, Canada. (Canadian field naturalist, Oct. 1934. v. 48, p. 105-111) Field notes made for the Canadian Dept. of the Interior, in 1924-25.

Contains dates and localities of the appearance, and habits, of caribou, musk ox, tundra wolf and seven other mammals, five fish, and twenty-eight birds, of the Barren Grounds.

Copy seen: DLC.

HORNBY, R. P., see Meinertzhagen, D., & R. P. Hornby. Bird life in arctic spring. 1899.

HORNER, L., see Lamont, J. Notes about Spitzbergen, 1859. 1860.

7415. HORNER, MEL A., 1880- , and GLADYS BRAIN. First into Katmai. (Alaska life, Jan. 1947. v. 10, no. 1, p. 6-7, 24-26, illus.)

Description of village of Katmai, the region of the volcano, and an ascent of Mt. Martin, nearby, by the first party in the region following the eruption of June 1912.

Copy seen: DLC.

7416. HORNER, S. G. L. Posts of the far North will have two-way short wave communication. (Beaver, June 1938. Outfit 269, no. 1, p. 10-13, illus.)

Story of the gradual installation of radio stations, 1934 to 1938, at Hudson's Bay Co. posts throughout the Canadian Eastern Arctic.

Copy seen: DSI-M.

7417. HERR, ALFRED REUEL, 1875- . The log of the schooner Bowdoin; introd. and interpolations by Commander Donald B. MacMillan; photography and ornithology by Alfred M. Bailey; with contributions by other members of the crew. Cleveland, World Pub. Co. [1947] 140 p. illus., ports., plan, map on lining-paper.

Informal narrative of a summer cruise from Maine down the Labrador coast to Saglik Bay on Commander MacMillan's schooner, 1946.

Copy seen: DLC.

7418. HORST, G. J. van der. Die Enteropneusten aus den Meeren der U.S.S.R. (Zoologische Jahrbücher; Abt. für Anatomie und Ontogenie, 1934. Bd. 58, p. 61-100, illus.) *Title tr.:* Enteropneusta from Soviet seas.

Full anatomical descriptions of three species of Hemichorda occurring from White Sea to Bering Sea.

Copy seen: DSI-M.

7419. HORST, RUTGER. Die Anneliden, gesammelt während der Fahrten des "Willem Barents" in den Jahren 1878 und 1879. [Leiden, etc., 1881] 27 p. plate. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 5. Pub. in: Niederländisches Archiv für Zoologie, Supplement. Bd. 1) *Title tr.:* The Annelida collected during the cruises of the *Willem Barents*, 1878-79.

Contains a list, with synonyms, references, distribution, localities, depths, and some descriptions, of fifty-one species of annelid worms from Greenland and Barents Seas and Svalbard waters; bibliography (23 items).

Copy seen: DSI-M.

7420. HORST, RUTGER. Die Gephyrea, gesammelt während der zwei ersten Fahrten des "Willem Barents". [Leiden, etc., 1881] 42 p. 3 double-face plates. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79, Nr. 4. Pub. in: Niederländisches Archiv für Zoologie. Supplement-Bd. I) *Title tr.:* Gephyrea collected during the first two cruises of the *Willem Barents*, 1878-79.

Contains (pt. I) a full description of one new species of Echiuridae from Barents Sea; (pt. II) full description of one, and mention with locality in Barents Sea of another species of Priapulidae; and (pt. III) a list, with references, localities and depths, of four (including with description, one new) species of Sipunculida from Greenland and Barents Sea and Svalbard waters.

Copy seen: DSI-M.

7421. HORTLING, IVAR, and E. C. STUART BAKER. Bird-notes on a trip to Lapland. (Ibis, Jan. 1932. Ser. 13, v. 2, p. 100-127, map)

Based on a trip, June 1931, in the Petsamo region; annotated list of one hundred five species.

Copy seen: DSI-M.

HORTON, DONALD, see De Laguna, F. Prehistory northern N. America from Yukon. 1947.

7422. HOSTMARK, PETER HOLST.
Log. of Greenland ice cap party. (Ap-
palachia, June 1944. v. 25, p. 12-25,
4 plates)

Excerpts from the logbook of a
Ground Rescue Officer, First Arctic
Search and Rescue Squadron, U. S.
Army Air Forces, for Dec. 20, 1943-
Jan. 14, 1944, during a mission by dog
sledge on the inland ice of Greenland.

Copy seen: DGS.

7423. HOUBEN, HEINRICH HUBERT,
1875-1935. The call of the North. London,
E. Mathews & Marrot, 1932. x, 348 p.
1 l. illus. (map) ports.

Translation of his *Der Ruf des*
Nordens, 1928, q.v.

Copy seen: DLC; NNS Stef.

7424. HOUBEN, HEINRICH HUBERT,
1875-1935. Nordpolfahrten. Leipzig, v.
Hase & Koehler [1944] 93 p., 1 l.
Title tr.: North polar exploration.

Abridgment of the author's *Der Ruf*
des Nordens, 1928, describing mainly
exploration since 1869, with added
chapter on German exploration in
Greenland under Wegener, 1930-31.

Copy seen: DLC.

7425. HOUBEN, HEINRICH, HUBERT,
1875-1935. *Der Ruf des Nordens*; Ab-
enteuer und Heldentum der Nordpol-
fahrer. Leipzig, Koehler & Amelang
[c1928] 298 p. illus. (maps) First pub-
lished in 1927 by Volksverband der
Bücherfreunde, Berlin. *Title tr.:* The
call of the North; adventure and hero-
ism of arctic explorers.

Contains a history of arctic explora-
tion from the time of the ancient
Greeks to the Noble Expedition of
1928.

Copy seen: DLC.

7426. HOUGH, ALFRED LACEY. An
army officer's trip to Alaska in 1869.
(Pacific Northwest quarterly, Jan.
1949. v. 40, p. 44-64) Edited by Rob-
ert G. Athearn.

Account of an inspection tour, July-
Aug. 1869, by the commander of the
Military Division of the Pacific, whom
the author accompanied. Hough de-
scribes his impressions of the natives,
climate and sealing, during the party's
visits to Sitka, Cook Inlet, and Kenai,
Kodiak, the Aleutian and Pribilof
Islands.

Copy seen: DLC.

7427. HOUGH, WALTER, 1859-1935.
An Eskimo strike-a-light from Cape

Bathurst. (U. S. National Museum.
Proceedings, 1888, pub. 1889. v. 11, p.
181-84, illus.)

Description of an Eskimo fire-bag
(skin pouch containing pyrites, flint
and tinder) and method of use; to-
gether with a (then) modern French
cigar lighter, based on the same prin-
ciple.

Copy seen: DLC.

7428. HOUGH, WALTER, 1859-1935.
The lamp of the Eskimo. (U. S. Na-
tional Museum. Annual report, 1896,
pub. 1898. p. 1025-57, illus., 24 plates)

Based on the extensive collection in
the National Museum. A study of Es-
kimo lamps, their social significance,
technology and use for cooking, heat-
ing and lighting, their distribution and
form. Descriptions and discussion of
lamps used in Labrador, the Cumber-
land Sound region of Baffin Island,
Greenland, Mackenzie River region,
Point Barrow, west Alaskan coast, St.
Lawrence Island, northeastern Siberia,
south Alaskan coast and Aleutian
Islands; their design, structure and
use.

Copy seen: DLC.

7429. HOUGH, WALTER, 1859-1935.
The methods of fire-making. (U. S. Na-
tional Museum. Report, 1890, pub.
1891. p. 395-409, plate)

Contents include description of the
Eskimos' methods of making fire by
friction on wood, and by flint and py-
rites, p. 395-401.

Copy seen: DLC.

7430. HOUGH, WALTER, 1859-1935.
The origin and range of the Eskimo
lamp. (American anthropologist, 1898.
v. 11, p. 116-22)

Copy seen: DLC.

HOUGH, WALTER, 1859-1935, see
also Fewkes, J. W., & others. Problems
of unity & origin American aborigines.
1912.

7431. HOURDE, RICHARD N. Rein-
deer herd. (Beaver, Mar. 1937. Outfit
267, p. 26-29, illus.)

Report of a visit to Richards Island,
Mackenzie delta, where the herd of
reindeer, driven from western Alaska
to the Mackenzie River, 1929-34 are
herded by Lapps.

Copy seen: DSI-M.

7432. HOUSE, EDWARD T. A hunt-
er's camp-fires. New York and Lon-
don, Harper & Brothers, 1909. xi [1]
402 p. plates.

Includes (p. 30-47) a chapter on walrus-shooting in Whale Sound, northern Baffin Bay, and (p. 66-79) an account of sledging on the icecap behind Whale Sound in North Greenland.

Copy seen: NNStef.

HOUSTON, OSCAR R., *see* Brown, T. G. Mount Foraker, Alaska. 1935.

7433. HOVDENAK, GUNNAR, 1892-, and A. HOEL. Roald Amundsen's siste ferd; med et tillegg om Krassinferden, av Adolf Hoel. Oslo, Gyldendal, 1934. 303, [1] p. 28 plates, 4 maps (part fold.) *Title tr.:* Roald Amundsen's last journey; with an appended section on the voyage of the *Krasin*.

The two authors describe two attempts in June 1928 to find Nobile and his party after the wreck of the airship *Italia* off Northeast Land. In one Amundsen with the flier Dietrichson and two Frenchmen, in the seaplane *Latham-47*, perished.

Contents tr.: Hovdenak, G. The *Italia* catastrophe and some events leading up to it. The Norwegian rescue efforts. The *Latham* Expedition. The search for it.

Hoel, A. The voyage of the *Krasin*. Account of the vessel's search, the rescue of Zappi and Mariano, and of the party on the ice floe.

Bibliography of the *Italia* expedition and searches; and of Roald Amundsen's works. *Copy seen:* DLC.

7434. HOVEY, EDMUND OTIS, 1862-1924. Geology of northwest Greenland and its relation to the flora, fauna and people of the region. (American journal of science, Sept. 1924, Ser. 5, v. 8, p. 189-200)

General, descriptive notes on the rocks, the coasts, the ice, the animals and birds, vegetation, and their use to the Polar Eskimos. *Copy seen:* DLC.

HOVEY, EDMUND OTIS, 1862-1924, *see also* Wissler, C. Archaeology of polar Eskimo. 1918.

7435. HOVGAARD, ANDREAS PETER, 1853-1910. Die Eiszustände im Karischen Meere. (Petermanns geographische Mitteilungen, 1884. Bd. 30, p. 253-59, chart) *Title tr.:* Ice conditions in Kara Sea.

Result of the author's observations during the *Vega* passage 1878, and during the *Dijmphna* expedition 1882-

83, with discussion of the drift of the *Dijmphna*, as illustrative of ice movements, amounts, and concentration in Kara Sea. *Copy seen:* DLC.

7436. HOVGAARD, ANDREAS PETER, 1853-1910. Nordøstpassagens historie. (Geografisk tidsskrift, København, 1879. Bd. 3, p. 128-40) *Title tr.:* The history of the Northeast Passage.

Historical account of expeditions, 1553-1878, aiming at the exploration of the Northeast Passage and a sea route to China. Includes accounts of the Willoughby and Burroughs voyages and others sponsored by the Muscovy Co. in London during the 16th century; Dutch trading companies in the 16th-17th centuries (including Willem Barndz's voyage), also English ventures of the 17th-18th centuries, the Austrian Weyprecht and Payer Expedition 1872-74, and the *Vega* Expedition 1878-1880. *Copy seen:* DLC.

7437. HOVGAARD, ANDREAS PETER, 1853-1910. Observations météorologiques faites pendant la dérive de la *Dijmphna* dans la mer de Kara (1882-1883). [Copenhagen, 1889] p. l, 10 [34] p., incl. tables, chart. (International Polar Year. 1st, 1882-1883. Expédition danoise. Observations faites à Godthaab. T. 2, livr. II, 2) *Title tr.:* Meteorological observations made during the voyage of the *Dijmphna* in Kara Sea (1882-1883). Edited by V. Jantzen.

Contains discussion and data of hourly (or four-hourly) observations of meteorological elements made on board ship during a fourteen-month cruise in Kara Sea, Aug. 1882-Sept. 1883; and non-periodic measurements of snow and ice temperatures at standard depths during Feb.-Apr. 1883; with a few sea-water temperatures at standard depths. *Copy seen:* DLC.

7438. HOVGAARD, ANDREAS PETER, 1853-1910. Plavanie parokhodske "Vega". (Vsesoiuznoe geograficheskoe obshchestvo. Izvëstia, 1880. T. 16, p. 79-94) *Title tr.:* The voyage of the steamer *Vega*. Translation of an article published in *Japan Herald* (presumably in English).

A general account, by one of the participants, of the 1878-80 expedition, which opened the Northern Sea Route from west to east. *Copy seen:* DLC.

7439. HOVGGAARD, A N D R E A S PETER, 1853-1910. Vegafården, minnesord på 25:te årsdagen af Vegas återkomst till Stockholm. (Ymer 1905. Årg. 25, p. 121-31) *Title tr.:* The voyage of the *Vega*; memorial address on the 25th anniversary of *Vega's* return to Stockholm.

Address, describing incidents of the voyage, given before the Swedish Geographical Society April 24, 1905, by a guest of the *Vega* Expedition, 1878-1880. *Copy seen:* DLC.

7440. HOVGGAARD, A N D R E A S PETER, 1853-1910. Vegasovervintring 1878-79. (Geografisk tidsskrift, Kjøbenhavn, 1879. Bd. 3, p. 145-61) *Title tr.:* The wintering of the *Vega*, 1878-79.

Describes the wintering at Pitlekay on Chukotsk Peninsula: preparation of the ship, a visit to a Chukchi reindeer camp, duty at the observatory on the beach, scientific work, etc.

Copy seen: DLC.

HOVGGAARD, ANDREAS PETER, 1853-1910, *see also* Dijnphna-togtet, 1882-1883.

7441. HOVGGAARD, WILLIAM. The Norsemen in Greenland; recent discoveries at Herjolfsnes. (Geographical review, Oct. 1925. v. 15, p. 605-16, illus.)

Description of excavations at the site of the old colony "Østerbygden" or "Eastern Settlement" in the Julianehaab District, inscriptions and the skeletal remains discovered by the expedition under Dr. Nørlund in 1921, with a discussion of the Norsemen's relations with the Eskimos and the deterioration of the climate during that period. Review was published as *Deterioration of climate in Greenland* in Meteorological magazine, Feb. 1926. v. p. 13-14. *Copy seen:* DLC.

7442. HOVMØLLER, ERNEST AABO, 1912- Climate and weather over the coast-land of Northeast Greenland and the adjacent sea. København, C. A. Reitzel, 1947. 208 p. illus., 11 diagrs., maps. (Meddelelser om Grønland. Bd. 144, nr. 1) Results of Danish East Greenland expeditions, 1926-39, under Lauge Koch. Appendix no. 1.

Description of (1) atmospheric pressure, (2) wind conditions, (3) temperature, and (4) humidity, cloudiness, visibility, and precipitation. Some ex-

amples of typical and extraordinary weather situations are given. Based on observational material from two fixed stations: Scoresbysund (70°29'N. 21°58'W.) 1924-40, and Myggbukta (73°30'N. 21°30'W.) 1922-40; with shorter series from Danmarks Havn (76°46'N. 18°45'W.) 1906-1908, and Sandodden (74°25'N. 20°30'W.) 1929-31. Bibliography (35 items).

Plates 1-11, illustrate atmospheric pressure, June-Sept., in each year, 1929-39, along the stretch Thorshavn to Myggbukta (62°N. 6°48'W.-73°30'N. 21°36'W.). *Copy seen:* DSI-M.

HOWARD, MARGARET BELL, *see* Clark, L., & T. C. Frye. Attu Island Hepaticae by Howard. 1948.

7443. HOWARD, OLIVER OTIS, 1830-1909. [Military arrests in the Territory of Alaska]. Washington, U. S. Govt. Print. Off., 1876. 5, 11, 9 p. (44th Cong., 1st sess. Senate. Ex. Doc. 33. 3 parts)

Contains lists with names, charges, dates of arrest and release, and remarks, for all military arrests in Alaska from Dec. 9, 1871 to Dec. 22, 1875, together with comments on individual cases and on the situation in general. *Copy seen:* DLC.

7444. HOWARD, OLIVER OTIS, 1830-1909. [Report of tour in Alaska Territory in June, 1875.] Washington, U. S. Govt. Print. Off., 1876. 33 p. (44th Congress, 1st sess. Senate. Ex. Doc. 12) Reprinted (with omission of material contained in pages 12 to 33 as below) in U. S. Congress Senate. Committee on Military Affairs. Compilation of narratives of explorations in Alaska, 1900. p. 511-517)

Narrative of Brigadier General Howard's tour of inspection in southeastern Alaska, with inclosures concerning social conditions. Contains general first-hand report (p. 1-12) on the condition of the military posts and of the Tlingit Indians, with notes on complaints of the Indians, description of Indian houses and gardens on Admiralty Island; quotation from report on serious measles epidemic among natives and creoles on Kodiak Island.

Text of the agreement between Russia and the United States defining the eastern boundary of Alaska, p. 12.

Letter from John J. Miller, President, Alaska Commercial Company (p.

12-13) requesting renewal of the company's license for [fur] trading and praising the company's activities in Alaska.

Text (p. 13-33) of the pamphlet of the Anti-monopoly Association of the Pacific Coast, *A history of the wrongs of Alaska*, 1875, appearing in this Bibliography under the name of the Association, q.v.

Copy seen: DLC.

HOWE, GEORGE PLUMMER, 1879-, see Mikkelsen, E. Conquering arctic ice. 1909.

7445. HOWE, MARSHALL AVERY, 1867-1936. Contribution to the botany of the Yukon Territory. 1. An enumeration of the Hepaticae collected by R. S. Williams. 1898-1899. (New York Botanical Garden. Bulletin, 1901. v. 2, p. 101-105)

Annotated list, with localities, of twenty-four (including with description, one new) species of liverworts.

Copy seen: DA.

7446. HOWE, MARSHALL AVERY, 1867-1936. Report on a collection of marine algae made in Hudson Bay. (Canadian Arctic Expedition, 1913-1918. Report, 1927. v. 4: Botany, Pt. B, p. 18-30, plate)

Lists, with some descriptions and notes on habitats, of forty-four species of larger algae and fifty-nine species of diatoms from James Bay and the east shore of Hudson Bay north to 56°N.

Copy seen: DSI-M.

7447. HOWE, REGINALD HEBER, Jr. A study of the genus *Macrorhamphys*. (Auk, Apr. 1901. v. 18, p. 157-62, 272)

Detailed taxonomic discussion, and notes on arctic breeding range, and migratory routes, of species *griseus* and subspecies *scelopaceus* of this dowitcher; with an additional note on breeding range (p. 272).

Copy seen: DSI-M.

7448. HOWELL, ALFRED BRAZIER, 1886-. Contribution to the comparative anatomy of the eared and earless seals (genera *Zalophus* and *Phoca*). Washington, 1929. 142 p. illus. plate. (U. S. National Museum. Proceedings. v. 73, art. 15)

The sea lion and the seal, habits and anatomy.

Copy seen: DLC.

7449. HOWELL, ARTHUR HOLMES, 1872-1940. Description of a new race of

flying squirrel from Alaska. (Journal of mammalogy. Feb. 1934. v. 15, p. 64)

Full description of a new subspecies, from Prince of Wales Island.

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7450. HOWELL, ARTHUR HOLMES, 1872-1940. A revision of the American arctic hares. (Journal of mammalogy. Nov. 1936. v. 17, p. 315-37, 4 plates (incl. map))

This study was undertaken by Dr. E. W. Nelson, and after his death in 1934, completed by the author. It contains full descriptions with notes on habits and range, of *Lepus arcticus* and seven subspecies, and *Lepus othus* and two subspecies, ranging from Greenland, across arctic North America; with a bibliography (24 items).

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7451. HOWELL, JOSEPH CORWIN. Observations of certain birds of the region of Kodiak, Alaska. (Auk, July 1948. v. 65, p. 352-58)

Annotated list of forty-seven species observed within a radius of thirty miles around the town of Kodiak on the northeast shore of the island, Apr. 22 to July 9, 1944, while the author was on military duty.

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7452. HOWGATE, HENRY W. Congress and the North Pole. An abstract of arctic legislation in the Congress of the United States. [Kansas City, Mo.] Kansas City Review of Science and Industry, 1879. 1 p. l., 43 p.

Excerpts from correspondence and documents concerning various expeditions to the North American Arctic since the disappearance of Sir John Franklin.

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7453. HOWGATE, HENRY W. Plan for the exploration of the arctic regions. Paper read before the arctic meeting . . . Jan. 31, 1878. (American Geographical Society, N. Y. Journal, 1878. v. 10, p. 279-87)

The so-called "Howgate plan" involved the establishment of a colony at Lady Franklin Bay, Ellesmere Island, as a base from which exploratory work towards the North Pole could be carried on. Howgate describes the types of personnel, equipment, and provisions which (then) seemed necessary to the success of such an undertaking.

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7454. [HOWGATE, HENRY W.] Polar colonization. Memorial to Congress and action of scientific and commercial associations. [Washington, D. C., Beresford, printer, 1879?] 143 p. 2 plates, fold. map. Preface signed: Henry W. Howgate.

Contains a review of recent expeditions in the Smith Sound region; outline of plan for an expedition to, and establishment of a colony at Lady Franklin Bay on the northeast coast of Ellesmere Island; report on the Howgate Preliminary Arctic Expedition to Cumberland Sound, 1877-78 (preparations, instructions, and progress to Sept. 1877).

Appendix, p. 59-140, contains "Plan for the exploration of the arctic region," a paper read by the author at the American Geographical Society meeting, Jan. 31, 1878, also letters and statements by scientific and commercial organizations, and by various explorers (including Julius Payer, p. 113-27, John Rae, p. 127-32) endorsing Howgate's plan, supplying information and advice on arctic conditions and methods of exploration, equipment, etc.

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7455. [HOWGATE, HENRY W.] Polar colonization. The preliminary arctic expedition of 1877. Washington, Beresford, printer [1877?] 32 p.

A brief interim report on Howgate's Preliminary Polar Expedition to Cumberland Sound, 1877-78, and discussion of his polar colonization plan, an expedition to Lady Franklin Bay.

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7456. [HOWGATE, HENRY W.] Polar colonization and exploration. Washington, Beresford, printer [1877] 40 p. map.

Memoir addressed to members of Congress, reviewing previous expeditions and requesting support for the plan to establish "a temporary arctic colony" at Lady Franklin Bay.

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7457. [HOWGATE, HENRY W.] Proposed legislation, correspondence, and action of scientific and commercial associations in reference to polar colonization. Washington, D. C., Beresford, printer [1877?] 48 p.

Howgate's proposed expedition to establish a temporary colony at Lady Franklin Bay.

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HOWGATE, HENRY W., *see also* Tyson, G. E. Cruise of *Florence*, preliminary. Arctic Exped. 1879.

7458. HOWORTH, Sir HENRY HOYLE, 1842-1923. The condition of the arctic lands in the so-called glacial age. (Geological magazine, July 1893. New ser., decade 3, v. 10, p. 302-309)

Discussion of the extent of the ice age glaciation in Iceland, Greenland and Spitsbergen.

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7459. HOWORTH, Sir HENRY HOYLE, 1842-1923. The mammoth age was contemporary with the age of great glaciers. (Geological magazine, Apr. 1894. New ser., decade 4, v. 1, p. 161-67)

The author sets forth his views on the age of mammoths based on evidence in Siberia and Alaska.

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7460. HOWORTH, Sir HENRY HOYLE, 1842-1923. Recent elevations of the earth's surface in the northern circumpolar regions. (Royal Geographical Society. Journal, 1873. v. 43, p. 240-63)

General discussion of raised shore lines and other signs of elevation, on the islands and mainland throughout the Arctic, drawn from previously published papers.

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7461. HOWORTH, Sir HENRY HOYLE, 1842-1923. The recent geological history of the arctic lands. (Geological magazine, Nov. 1893. New ser., decade 3, v. 10, p. 495-500)

The author's views on the extent of the ice age in the Arctic, the former warmer climate there, and the evidence of more recent uplift, based on the results of Greenland plant studies; also his conclusions as to the paleogeographic plant distribution.

Henry Woodward's comment on this paper, appeared in the same volume of *Geological magazine*, p. 575-76.

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7462. HOWORTH, Sir HENRY HOYLE, 1842-1923. The true horizon of the mammoth. (Geological magazine, Apr. 1893. New ser., decade 3, v. 10, p. 161-63)

The author discusses controversial views, held by other scientists, concerning the age of remains found in the tundras overlying paleocrystic ice in northeastern Russia, Siberia and Alaska.

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7463. HOYT, JOHN CLAYTON, 1874-1946, and F. F. HENSHAW. Water supply of Nome region, Seward Peninsula, Alaska, 1906. Washington, U. S. Govt. Print. Off., 1907. 52, viii p. 6 plates (incl. double sketch map) diagr. (U. S. Geological Survey. Water-supply and irrigation paper no. 196)

Based on investigations, June 11-Oct. 3, 1906, in the placer and mining section of the Nome region. Contains flow data from forty-five gaging stations (with descriptive notes) on Nome, Grand Central, Kruzgamepa, Sinuk, Cripple, Penny, Snake, Flambeau, and Eldorado River drainage basins, on Salmon Lake, and Imuruk basin, and their ditch systems. *Copy seen:* DGS.

HOYT, JOHN CLAYTON, 1874-1946, *see also* Ellsworth, C. E., & others. Water-power reconnaissance S. Alaska. 1915.

7464. HOYT, WILLIAM GLENN, 1886-. The effects of ice on stream flow. Washington, U. S. Govt. Print. Off., 1913. 77 p. illus., 7 plates (U. S. Geological Survey. Water-supply paper 337)

Contents: Factors that modify winter run-off. Formation of ice (frazil and anchor). Effect of ice on relation of stage to discharge. Computation of flow of frozen streams. Field methods, etc. *Copy seen:* DGS.

7465. HÖZAWA, SANJI. Report on the calcareous sponges collected during 1906 by the United States fisheries steamer Albatross in the northwestern Pacific. (U. S. National Museum. Proceedings, 1918, *pub.* 1919. v. 54, p. 525-56, illus., plates 84-85)

Full descriptions (with localities of specimens taken) of thirteen (including eleven new) species; with a record of the collecting stations, about half of which were in waters off the Commander and westernmost Aleutian Islands. *Copy seen:* DLC.

7466. HRDLIČKA, ALEŠ, 1869-1943. Alaska—an appraisal. (Alaska sportsman, Feb. 1937. v. 3, no. 2, p. 12, 25-26, illus.)

Friendly and critical remarks on many physical and social characteristics of Alaska. *Copy seen:* DLC.

7467. HRDLIČKA, ALEŠ, 1869-1943. Alaska diary, 1926-1931 [by] Aleš

Hrdlička . . . Published with the permission of the Secretary of the Smithsonian Institution. Lancaster, Pa., Jaques Cattell Press, 1943. xv, 414 p. incl. front., 232 illus. (incl. ports, maps)

Day-to-day notes kept during the author's four journeys in Alaska 1926-31, to make anthropological and archaeological investigations, and to collect evidence on migrations from northeast Asia to America. The notes record the course and happenings of the two journeys up the Yukon River (1926, 1929), up the Kuskokwim River (1930), and the Nushagak (1931), also a trip from Nome, by St. Lawrence Island and the Diomedes to Kotzebue (1926); with remarks on the Indians and Eskimos met from day to day, on the scientific work, the physical characteristics of country traversed and on the islands land bridge between Asia and America, as observed across Bering Strait.

Scientific reports published as results of these journeys are listed, p. 405-406. *Copy seen:* DLC.

7468. HRDLIČKA, ALEŠ, 1869-1943. The Aleutian and Commander Islands and their inhabitants. Philadelphia, Wistar Institute of Anatomy and Biology, 1945. xx, 630 p. incl. front., 239 illus., maps.

Results of expeditions, under auspices of the Smithsonian Institution, to Aleutian and Commander Islands, 1936-38.

Contents: General notes on geology, climate, ice floes and bergs, flora and fauna, human settlements, historical data.

Ethnographical notes from literature on the Aleuts (their language, related peoples, settlements, dwellings, utensils, etc., knowledge, religion, etc., amusements, personal habits, women, etc.); a comprehensive survey of various aspects of material intellectual and social culture as recorded in the literature.

Smithsonian explorations and excavations (day-to-day record of each season's work, 1936-38, on the various islands).

Archaeological remains in the Aleutians (descriptions of the sites, the skeletal material and artifacts, with some summary of the results of the excavations).

Physical anthropology (review of earlier observations and discussion of the author's observations and measurements). (The measurements are published in the author's *Catalog of human crania* [etc.] 1943, 1944, q.v., and his conclusions reviewed by H. B. Collins in *American journal of physical anthropology*, 1945. n.s. v. 3, p. 355-63).

Appendices: 1. The Kagmagil fragments (clothing, etc., discussed by Miss O. Settles and Dr. A. C. Whitford). 2. Animal remains. 3. Games. 4. Bibliography, p. 619-24. **Copy seen:** DLC.

7469. HRDLIČKA, ALEŠ, 1869-1943. The ancient and modern inhabitants of the Yukon. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1929, *pub.* 1930. Pub. no. 3060. p. 137-46, illus.)

Preliminary account of the trip down the Yukon, from Whitehorse to Marshall, which is described in full in the author's *Anthropological survey in Alaska*, 1930, q.v., and *Alaska diary*, 1943, q.v. **Copy seen:** DLC.

7470. HRDLIČKA, ALEŠ, 1869-1943. Anthropological explorations on Kodiak Island, Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1932, *pub.* 1933. Pub. no. 3213. p. 41-44, illus.)

Preliminary report on the second season's excavations at Uyak Bay, described in detail in the author's *Anthropology of Kodiak Island*, 1944, q.v. **Copy seen:** DLC.

7471. HRDLIČKA, ALEŠ, 1869-1943. Anthropological explorations on the Aleutian and Commander Islands. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1937, *pub.* 1938. Pub. no. 3480. p. 87-94, illus.)

Preliminary account of the author's visit to Bering Island (Commander Islands) July 12-14, of excavations on Amaknak, Agattu and other islands, and exploration of burial caves on Shiprock and Kagamil Islands. A more complete account is given in *The Aleutian and Commander Islands and their inhabitants*, q.v. **Copy seen:** DLC.

7472. HRDLIČKA, ALEŠ, 1869-1943. Anthropological studies in England, Russia, Siberia, and France, 1939. (Smithsonian Institution. Explorations and field-work of the Smithsonian In-

stitution in 1939, *pub.* 1940. Pub. no. 3586. p. 73-78, illus.)

Brief account of the author's trip to Moscow, Leningrad and Irkutsk to study neolithic and later human skeletal remains from Siberia. The results of the study are given in his *Crania of Siberia*, q.v., and the individual measurements presented in full in his *Catalog of human crania in the United States National Museum Collections: non-Eskimo people of the northwest coast, Alaska, and Siberia*, q.v.

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7473. HRDLIČKA, ALEŠ, 1869-1943. Anthropological survey in Alaska. (U. S. Bureau of American Ethnology. Forty-sixth annual report, 1928/29. Washington, 1930. p. 19-374. 29 illus., 61 plates (incl. ports., maps))

Results of a trip under Bureau of American Ethnology, May-Sept. 1926, to investigate surviving Indians and Eskimos, to trace old settlements and migration, and to collect skeletal and archeological material.

Contains day-to-day notes from the author's diaries, on the country through which he traveled, the populated places and/or persons met; his observations and comments on Indians and Eskimos along the southeast coast and in central Alaska along the Yukon and Tanana Rivers: their settlements, history, present conditions, archeology, physical characteristics and skeletal remains (with measurements). Notes on the western Eskimo along the coast from Prince William Sound and Kodiak Island to Point Barrow, the St. Lawrence and Diomed Islands: a résumé of previous investigations in the region, sites and settlements, archeology, physical characteristics and skeletal remains (with measurements). Origin and antiquity of the Eskimo, a résumé of previous opinions and theories, discussion and conclusions indicated by the present data. Bibliography p. 367-74. **Copy seen:** DLC.

7474. HRDLIČKA, ALEŠ, 1869-1943. Anthropological work in Alaska. (Smithsonian Institution. Smithsonian miscellaneous collections, 1927. v. 78, no. 7, *Explorations and field-work of the Smithsonian Institution in 1926*, p. 137-58, illus.)

Preliminary report on the trip, May-Sept. 1926, of which the results were

published as Hrdlička, A. *Anthropological survey in Alaska*, 1930, q.v. and *Alaska diary*, 1943, q.v.

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7475. HRDLIČKA, ALEŠ, 1869-1943. Anthropological work in Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1931, *pub.* 1932. Pub. no. 3134. p. 91-102, illus.)

Brief account of trip along the Nushagak, Molchatna, and Woods Rivers, Bristol Bay, Kvichak River, and Illiamna Lake, to study present Eskimo population and search for old remains. Described more fully in the author's *Alaska diary*, 1943, q.v. Excavations were begun at Uyak Bay, Kodiak Island, the results of which, extending over a period of five years, are presented in his *Anthropology of Kodiak Island*, 1944, q.v. *Copy seen:* DLC.

7476. HRDLIČKA, ALEŠ, 1869-1943. Anthropological work on the Kuskokwim River, Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1930, *pub.* 1931. Pub. no. 3111. p. 123-34, illus.)

Brief description of trip on the Kuskokwim, upstream to Stony River and downstream to Apogak to collect skeletal material and make physical studies of the living Eskimos. The results are presented more fully in the author's *The Eskimo of the Kuskokwim*, q.v. *Copy seen:* DLC.

7477. HRDLIČKA, ALEŠ, 1869-1943. The anthropology of Kodiak Island. Philadelphia, Wistar Institute of Anatomy and Biology, 1944. xix, 486 p. incl. front. (port.) illus. (incl. maps)

This work, one of those resulting from the author's investigations in Alaska, 1926-38, has as object: "to give whatever of note has been preserved on the Kodiak natives by the Russians and others; to detail the results of our surveys and excavations; and to show the essentials relating to the physical characteristics of both the Koniag and the pre-Koniag populations of the region."

Contents: Historical data (excerpts from the literature on the island and its inhabitants, their racial affinities, material and social culture, customs, etc.). Surveys of Kodiak Island and

neighboring mainland. Excavations (day-to-day record of Smithsonian Institution excavations at Uyak Bay, 1931-36). Physical anthropology of Kodiak (descriptions of present-day inhabitants and of skeletal remains excavated by the author, with some comparative discussion of affinities with Eskimos, Indians and Aleuts; also remarks on migration from Asia). (The measurements are published in the author's *Catalog of human crania* [etc.] 1943, 1944, and his conclusions reviewed by H. B. Collins in *American journal of physical anthropology*, 1945. n. s. v. 3, p. 355-63).

Appendix: A. Stone and bone artifacts from Uyak. B. Animal and plant life. Bibliography, p. 480-82.

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7478. HRDLIČKA, ALEŠ, 1869-1943. Archeological excavations on Kodiak Island, Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1934, *pub.* 1935. Pub. no. 3300. p. 47-52, illus.)

Description of the 1934 excavations at Uyak Bay, described in detail in *The Anthropology of Kodiak Island*, q.v. *Copy seen:* DLC.

7479. HRDLIČKA, ALEŠ, 1869-1943. Archeological expedition to Kodiak Island, Alaska. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1935, *pub.* 1936. Pub. no. 3382. p. 47-52, illus.)

Brief account of the excavations at Uyak Bay, May 27-Aug. 17, 1935, described in *The Anthropology of Kodiak Island*, q.v. *Copy seen:* DLC.

7480. HRDLIČKA, ALEŠ, 1869-1943. Archeological explorations on Kodiak and the Aleutian Islands. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1936, *pub.* 1937. Pub. no. 3407. p. 57-62, illus.)

Brief account of author's first season's work in the Aleutian Islands, when excavations were made on Amaknak, Atka, Kiska, and Attu, and mummies collected from burial caves on Kagamil. Results are described more fully in *The Aleutian and Commander Islands and their inhabitants*, q.v. *Copy seen:* DLC.

7481. HRDLIČKA, ALEŠ, 1869-1943. Artifacts on human and seal skulls

from Kodiak Island. (American journal of physical anthropology, 1941. v. 28, p. 411-18, 2 plates)

Descriptions of artificially perforated human bones, and of artificial ivory eyes, found in skeletal remains in sites excavated on Kodiak Island, and other Alaskan localities; also note of custom of removing the inner ear of seals.

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7482. HRDLIČKA, ALEŠ, 1869-1943. Catalog of human crania in the United States National Museum collections: Eskimo in general. (U. S. National Museum. Proceedings, 1942 *pub.* 1943. v. 91, p. 169-429 incl. *illus.* (map) tables)

Contents: Introduction (notes on method of measurement). The groups and territory included. Catalog (with measurements of some two thousand Eskimo crania, mainly from Alaska, with a few specimens from northern Canada, and Greenland).

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7483. HRDLIČKA, ALEŠ, 1869-1943. Catalog of human crania in the United States National Museum collections: non-Eskimo people of the northwest coast, Alaska, and Siberia. (U. S. National Museum. Proceedings, 1944. v. 94, p. 1-172)

Contents include measurements of crania of Indians of Alaska, the Yukon and Northwest Territories of Canada, Koniags and pre-Koniags of Kodiak Island, Aleuts and pre-Aleuts of the Aleutian Islands; Samoyeds, Ostyaks, Voguls, Tungus, Buryats, Ulchis, Gilyaks, Yakuts, Yukaghirs, Orochis, Koryaks, Lamuts, Kamchadals, Chukchis. The Siberian crania, except for some of the Buryat, are in the museums of Moscow, Leningrad, and Irkutsk, and were measured by Dr. Hrdlička in 1939. *Copy seen:* DLC.

7484. HRDLIČKA, ALEŠ, 1869-1943. Catalogue of human crania in the United States National Museum collections. (U. S. National Museum. Proceedings, 1924. v. 63, art. 12. 51 p. incl. tables)

Contains measurements of crania of Eskimos, Indians and of some northern Asiatic peoples, based on the U. S. National Museum's collection in 1924.

This publication is superseded by the author's *Catalog of human crania, Eskimo in general*, 1943 and *Catalog*

of human crania, non-Eskimo people of the northwest coast, Alaska and Siberia, 1944, q.v. *Copy seen:* DLC.

7485. HRDLIČKA, ALEŠ, 1869-1943. The coming of man from Asia in the light of recent discoveries. (Smithsonian Institution. Annual report, 1935, *pub.* 1936, p. 463-70, plates)

Reprinted with revisions (bringing article up to date) . . . from the American Philosophical Society. Proceedings, 1932. v. 71, no. 6.

Résumé (with map showing sites) of systematic explorations carried on along western coast and islands of Alaska, 1926-35, under auspices of the Smithsonian Institution and summary of resultant conclusions covering migrations of peoples from Asia: their routes, settlements, differentiation in physical characteristics, distribution, culture, languages, etc. Appended is a list of author's (18) contributions to this subject. *Copy seen:* DLC.

7486. HRDLIČKA, ALEŠ, 1869-1943. Contribution to the anthropology of Central and Smith Sound Eskimo. (American Museum of Natural History. Anthropological papers, 1910. v. 5, pt. 2, p. 177-280, 15 plates)

Measurements and descriptions of skeletal remains and of living Eskimos from Southampton Island, Melville Peninsula and Smith Sound regions, the latter group including Eskimos brought by Peary in 1896 to New York.

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7487. HRDLIČKA, ALEŠ, 1869-1943. Crania of Siberia. (American journal of physical anthropology, 1942. v. 29, p. 435-81, incl. tables)

Discussion with annotated tables of measurements, of neolithic crania and long bones from Lena and Angara River regions, also of other Siberian skeletal remains, in museum collections in Moscow, Leningrad and Irkutsk. Note of the tribal groups represented (including Chukchis, Gilyaks, Koryaks, Ostyaks, Samoyeds, Tungus, Yakuts and Yukaghirs). Comparison of Siberian and North American types, of Chukchis and Eskimos, the Tungus and Aleuts, for evidence of racial affinity. Bibliography, p. 472-73.

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7488. HRDLIČKA, ALEŠ, 1869-1943. Diseases of and artifacts on skulls

and bones from Kodiak Island. Washington, 1941. 1 p. l., 14 p. 11 plates on 6 l. (Smithsonian Institution. Miscellaneous collections. v. 101, no. 4. Publication 3640)

Describes human skeletal material from a pre-historic Eskimo site on Uyak Bay, Kodiak Island, showing evidence of disease, of trepanation, or of post-mortem drilling, etc. Pathology was limited to senile arthritis. Numerous bones were cut or had been drilled for suspension; some skulls were made into cups or ladles.

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7489. HRDLÍČKA, ALEŠ, 1869-1943. An Eskimo brain. (American anthropologist, 1901. New ser., v. 3, p. 454-500, diagr., 4 plates (incl. port.)) Full report; a preliminary report was published in American Medico-psychological Association. Proceedings, 1899.

Description, based on examination in 1896, and re-examination in 1901, of the brain of a Smith Sound Eskimo chief, with some comparative data.

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7490. HRDLÍČKA, ALEŠ, 1869-1943. The Eskimo child. (Smithsonian Institution. Annual report, 1941, pub. 1942. p. 557-62, 10 plates)

Contains general description of Eskimo custom in bearing and rearing children, and of the children growing up.

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7491. HRDLÍČKA, ALEŠ, 1869-1943. The Eskimo of the Kuskokwim. (American journal of physical anthropology, 1933. v. 18, p. 93-135, 10 plates)

Discussion and data of physical characteristics (in detail), based on the author's measurements of one hundred eighty-two, and examination of other, Eskimos of the Kuskokwim River region, 1930.

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7492. HRDLÍČKA, ALEŠ, 1869-1943. Exploration in the Aleutian and the Commander Islands. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1938, pub. 1939. Pub. no. 3525. p. 79-86, illus.)

Brief account of Dr. Hrdlička's tenth, and last, Alaskan expedition, on which he visited Bering and Copper Islands in the Commander Islands (Aug. 2-6), examined burial caves on Shiprock, Kagamil, Amlia, and Ilak,

and excavated old middens on Amchitka, Umnak, and Amaknak. Described more fully in his *The Aleutian and Commander Islands and their inhabitants*, q.v.

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7493. HRDLÍČKA, ALEŠ, 1869-1943. Exploration of mummy caves in the Aleutian Islands. Part I. Previous knowledge of such caves. Original explorations. Part II. Further exploration. (Scientific monthly, Jan.-Feb. 1941. v. 52, p. 5-23, 113-30, illus., sketch maps)

Excerpts from publications of explorers and anthropologists describing mummy caves and related mortuary practices; account of the author's investigations 1936-38, and remarks on former mummy practices among natives of Kodiak Island and Prince William Sound region.

Copy seen: DLC; NNSf.

7494. HRDLÍČKA, ALEŠ, 1869-1943. Fecundity of Eskimo women. (American journal of physical anthropology, 1936. v. 22, p. 91-95)

Record and discussion of the number of births among Eskimo women of the Kuskokwim River region.

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7495. HRDLÍČKA, ALEŠ, 1869-1943. The genesis of the American Indian. International Congress of Americanists. 19th, Washington, 1915. Proceedings, 1917, p. 559-68)

Postulates migration of American Indians and Eskimos from Asia across Bering Strait and Aleutian Islands. Points to Asiatic peoples in Formosa, Philippines, Tibet, China, Mongolia, Japan, and Siberia, who resemble American Indians in physical type. Summary published in *Man*, Feb. 1917, v. 17, p. 29-30.

Copy seen: DLC; DSI-E.

7496. HRDLÍČKA, ALEŠ, 1869-1943. Height and weight in Eskimo children. (American journal of physical anthropology, 1941. v. 28, p. 331-41, tables)

Measurement of ninety-seven living Eskimo children 1928-31, at Bethel, Kuskokwim River, Alaska, comparison with whites, and comments.

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7497. HRDLÍČKA, ALEŠ, 1869-1943. Names of native Siberian peoples. (American journal of physical anthropology, 1941. v. 28, p. 353)

Authorized by the Anthropological Institute of the University of Moscow, list of names by which native Siberian peoples (including northern groups) have been known, and their new equivalents to be used in official Soviet communications and modern Soviet anthropological literature. The new terms are said to be true native names, and to supersede former names which were nicknames, misnomers, etc., applied by non-natives, or which failed to differentiate between some of the entities.

This list appears also in Hrdlička's *Peoples of the Soviet Union*, 1942, p. 23.
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7498. HRDLIČKA, ALEŠ, 1869-1943. The peoples of the Soviet Union. Washington, 1942. 1 p. l., 29 p. (Smithsonian Institution. War background studies, no. 3. Publication 3690.

Brief sketch of the distribution of the various ethnic groups of the U.S.S.R. Includes list of old and new names of the Siberian aboriginal groups. The first edition, *The races of Russia*, 1919 (Smithsonian miscellaneous collections, v. 69, no. 11), contains little Siberian material.
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7499. HRDLIČKA, ALEŠ, 1869-1943. Ritual ablation of front teeth in Siberia and America. Washington, Smithsonian Institution, 1940. 1 p. l., 32 p. 5 plates on 3 leaves. Erratum slip attached to plate 4. (Smithsonian miscellaneous collections, v. 99, no. 3. Publication 3583)

Contents include discussion of the custom of non-curative removal of teeth, with tables of data based on specimens of skulls of Yakuts, Gilyaks, Chukchis, Eskimos of St. Lawrence Island and Alaska, Aleuts, Koniags of Kodiak Island and Indians of Alaska.
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HRDLIČKA, ALEŠ, 1869-1943, *see also* Fewkes, J. W., & others. Problems of unity & origin American aborigines. 1912.

HRDLIČKA, ALEŠ, 1869-1943, *see also* Levin, M. G. Alesh Grdlichka. 1946.

HRDLIČKA, ALEŠ, 1869-1943, *see also* Stewart, T. D. Vertebral column of Eskimo. 1932.

HRDLIČKA, ALEŠ, 1869-1943, *see also* T. D. Stewart's *The life and writings of Dr. Aleš Hrdlička, 1869-1939* (American journal of physical anthropology, 1940, v. 26, p. 3-40) for notes and papers by Dr. Hrdlička not listed in this Bibliography.

7500. HRYNIEWIECKI, BOLESŁAW. Przyczynek do znajomości flory ziemi Czukockiej. Lwow-Warszawa, 1923. 35 p. illus. (Towarzystwo naukowe warszawskie. Archiwum nauk biologicznych, (1922), t. 1, zeszyt. 18) *Title tr.*: Contributions to the knowledge of the flora in Tchukthiland.

Contains a study of a collection of plants made in the Chukotsk Peninsula by Dr. B. Zyliński in 1914; with data on the botanical exploration of the region, an ecological survey, and a systematic enumeration of one hundred twenty-nine species. Includes bibliography (fourteen items) and an index to the genera and species. Summary in English.
Copy seen: NNBG.

7501. HUBBACK, THEODORE RATHBONE. To far western Alaska for big game; being an account of two journeys to Alaska in search of adventure. London, R. Ward, Ltd.; New York, C. Scribner's Sons, 1929. xiv, 232 p. 44 plates (incl. 2 maps), fold. map in pocket.

Story of hunting white sheep and moose on Kenai Peninsula, the big brown bear on the Alaska Peninsula, and moose, sheep and woodland caribou in the Susitna-Kuskokwim country; with an index.

Copy seen: DLC; NNSStef.

7502. HUBBARD, BERNARD ROSECRANS, 1888- . Mush, you malemutes! By Bernard Hubbard, S. J., "the Glacier priest." New York, American Press, 1932. xiv, 3-179 p. 81 plates, incl. 2 maps, ports, maps on lining-papers. "True stories first published in the Saturday Evening Post." New edition, 1943, with list of illustrations omitted but no change of text.

Description with extensive illustration of dogs and winter sledging in the Yukon valley; climbing and flying in the volcano region of Alaska Peninsula, and ice travel on Mendenhall and other glaciers of Southeast Alaska.

Copy seen: DLC; NNSStef.

7503. HUBBARD, GEORGE DAVID, 1871- . Fiords. (American Geographical Society, N. Y. Bulletin, 1901. v. 33, p. 330-37, 401-408) "This paper was prepared as a thesis in geography under Prof. W. M. Davis, at Harvard University."

Contents: Introduction. On the scope and meaning of the term. 1. Characteristics of fiords. 2. On fiord regions as a type of coast. 3. On the origin of fiords (especially the role of glacial erosion).

Copy seen: DLC.

HUBBARD, LEONIDAS, 1872-1903, *see* Ellis, M. B. H. Woman's way through Labrador. 1908.

HUBBARD, Mrs. LEONIDAS, *see* ELLIS, MINA BENSON HUBBARD, formerly Mrs. LEONIDAS HUBBARD, Jr.

7504. HUBBARD, THOMAS H., and others. To students of arctic exploration, the geographic position of Camp Jesup, and the reduction of the observation of R. E. Peary, in the vicinity of the North Pole. (International Geographical Congress. 10th, Rome, 1913. Atti, 1915. p. 682-716)

Contains a review of Peary's achievements in attaining the North Pole, by T. H. Hubbard; a presentation of results and discussion of the astronomical observations for geographic position made by Peary in the vicinity of the Pole, and by Peary and other members of his expedition at Camp Jesup on northern Ellesmere Island, by H. C. Mitchell and C. R. Duvall.

Copy seen: DLC.

7505. HUBBS, CARL LEAVITT, 1894-, and L. P. SCHULTZ. Contribution to the ichthyology of Alaska with descriptions of two new fishes. Ann Arbor, 1941. 31 p. tables (3 fold.). (Michigan. University. Museum of Zoology. Occasional papers. No. 431)

Contains identifications of six species, some not previously recorded, some with ranges extended, in addition to descriptions of the two new species. These fishes were collected from Gulf of Alaska and Bering Sea, and in the rivers of Alaska.

Copy seen: DSI-M.

7506. HUBER, LOUIS R. Alaska and the Civil War. (Alaska life, Aug. 1941.

v. 4, no. 8, p. 4, 20-21, illus., sketch map)

Account of the Confederate steamship *Shenandoah* in Bering Sea, where she raided whalers for several months after General Lee's surrender, later sailing for one hundred twenty-two days and landing at Liverpool, England.

Copy seen: DLC.

7507. HUBER, LOUIS R. Alaska speaks up! (Alaska life, Apr. 1941. v. 4, no. 4, p. 6-7)

General remarks on three reports (1940-41) of the Alaska Planning Council (authorized by the Territorial Legislature, 1935) which concerned taxation and a development plan for the Territory.

Copy seen: DLC.

7508. HUBER, LOUIS R. Alaska's soaring peaks — challenge to mountain climbers. (Alaska life, May-June 1946. v. 9, no. 5, p. 4-6, 42-43; no. 6, p. 14-19, illus.)

Contains (in pt. 1) discussion of various factors and features which make Alaskan mountains difficult to climb; brief sketches of some famous ascents; also (pt. 2) "climbing Mt. McKinley, monarch of American peaks," a history of its exploration from George Vancouver, 1794, to 1932.

Copy seen: DLC.

7509. HUBER, LOUIS R. Charting 26,376 miles of coastline; work of the U. S. Coast and Geodetic Survey for safety of ships and commerce in Alaska waters. (Alaska life, Nov.-Dec. 1941. v. 4, no. 11, p. 14-16; no. 12, p. 18-19, illus.)

General account of hydrographic and coastal survey work since its beginning in 1867.

Copy seen: DLC.

7510. HUBER, LOUIS R. Discovering Alaska. (Alaska life, Aug.-Dec. 1939. v. 2, no. 4, p. 12-13, 23; no. 5, p. 15, 23-24; no. 6, p. 13, 16, 26; no. 7, p. 10, 23, 25; no. 8, p. 9, 17, 23-25, illus.)

Popular account of the explorations of Bering and his companions, the era of the Russian fur traders (promyshleniki), Russian imperial government administration of Alaska, the Russian American Co., and the sale of Alaska to the United States.

Copy seen: DLC.

7511. HUBER, LOUIS R. Mapping "roads" to Alaska. (Alaska life, Aug. 1938. v. 1, no. 7, p. 4-5, 18 illus.)

Popular account of U. S. Coast and Geodetic Survey work in charting Alaska's treacherous waters.

Copy seen: DLC.

7512. HUBER, LOUIS R. Metlakatla. (Alaska sportsman, Aug. 1945. v. 11, no. 8, p. 10-11, 39-43, illus.)

Description of the town today and a sketch of its history including notes on Father Duncan.

Copy seen: DLC.

7513. HUBER, LOUIS R., compiler. 100 events in Alaska's history, 1578-1941. (Alaska life, July 1941. v. 4, no. 7, p. 6-8, 12, illus.)

Reflects exploratory, industrial and administrative development of Alaska.

Copy seen: DLC.

7514. HUBER, LOUIS R. Urgent call from Ugashik. (Alaska sportsman, July 1944. v. 10, no. 7, p. 10-11, 32-34, illus.)

On the popularity and real need for amateur radio operators in Alaska.

Copy seen: DLC.

HUBER, V. A., see GUBER, VADIM ALEKSANDROVICH.

7515. HUBRECHT, AMBROSIOUS ARNOLD WILLEM. List of fishes collected during the two cruises of the Willem Barents 1878-79. [Leiden, etc., 1881] 5 p. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 12. *Pub.* in: *Niederländisches Archiv für Zoologie. Supplement Bd. I*)

List, with synonyms, references, and localities of eleven species, from Barents and Greenland Seas, and Svalbard waters.

Copy seen: DSI-M.

7516. HUBRECHT, AMBROSIOUS ARNOLD WILLEM. Notiz über die während der zwei ersten Fahrten des Willem Barents gesammelten Nemertinen. [Leiden, etc., 1882] 2 p. (Zoologischen Ergebnisse . . . "Willem Barents," 1878-79. Nr. 3. *Pub.* in: *Niederländisches Archiv für Zoologie. Supplement. Bd. I*) *Title tr.:* Note on the Nemertinea collected during the first two cruises of the *Willem Barents*.

Anatomical notes on four incomplete specimens, which are illustrated in fig. A-B on the plate accompanying Hoffmann, C. K. *Die Echinodermen* (etc.) Nr. 2 in this volume, q.v.

Copy seen: DSI-M.

7517. HUBRECHT, AMBROSIOUS ARNOLD WILLEM. *Proneomenia shuiteri* gen. et. sp. n. with remarks upon the anatomy and histology of the Amphineura. [Leiden, etc., 1881] 75 p. 4 double-face plates. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 9. *Pub.* in: *Niederländisches Archiv für Zoologie. Supplement. Bd. I*) Detailed description of a new species of this primitive mollusc, from Barents Sea; with a bibliography (32 items).

Copy seen: DSI-M.

7518. HUDSON, WILL E. Icy hell; experiences of a news reel cameraman in the Aleutian Islands, eastern Siberia and the arctic fringe of Alaska. London, Constable & Co. Ltd. [1937] xii, 307, [1] p. 32 plates, ports., fold. map.

Account of a private hunting and exploring party's trip in a motor schooner *Polar Bear*, around the Bering Sea, to Petropavlovsk in Kamchatka, northward to East Cape (mys Dezhneva), through Bering Strait into Chukchi Sea and eastward as far as Demarcation Point, then overland (by dog sledge) to Fort Yukon and out. Includes descriptions of peoples, and places visited, especially the Chukchis, and the harbor at Petropavlovsk; the Beaufort Sea in winter and the trip over the Endicott Range.

Copy seen: DLC; NNSStef.

7519. HUDSON STRAIT EXPEDITION. Report of the Hudson Strait Expedition, 1927-28. N. B. McLean, officer in charge. Ottawa, F. A. Acland, King's Printer, 1929. 221 p. incl. 37 plates, 2 fold charts.

Report addressed to the deputy minister of marine, by N. B. McLean, officer-in-charge, of an expedition, Feb. 11, 1927-Nov. 1928, organized under an advisory board representing the Depts. of Marine and Fisheries, National Defense, and Railways and Canals, to obtain information on ice conditions and safe navigation in Hudson Strait. Includes notes on equipment, stores, and personnel; description of bases: Port Burwell, Wareham Bay, and Nottingham Island; of flying operations, ice conditions, fog, icebergs, charting and tidal investigations.

Appendices: 1. Logs of the *Stanley*, 1927, and the *Montcalm*, 1928. 2. Location of bases. 3.-6. Plans of routine and special flights, bases A, B, and C.

7. Meteorological observations on the *Stanley* July 17–Nov. 25, 1927. 8. Meteorological observations on the *Montcalm*, June 24–Nov. 14, 1928. 9. Ice observations at bases A, B, and C., 1927–28. 10. Meteorological observations (for same). 11. Water temperatures from the *Montcalm*, June 24–Nov. 14, 1928. 12. Photographs. *Copy seen:* DLC.

7520. HUDSON STRAIT EXPEDITION. Report of the Hudson Strait Expedition, to December 31, 1927. Ottawa, F. A. Acland, King's Printer, 1928. 76 p. incl. 12 plates, tables, 5 fold. charts. Report addressed to the deputy minister of marine, and signed by N. B. McLean, officer-in-charge, Hudson Strait Expedition.

Progress report, Feb.–Dec. 1927, of an expedition of which the complete report was published subsequently as *Report . . . 1927–28*, pub. 1929, q.v.

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7521. HUDSON'S BAY COMPANY. Canada's fur bearers. [Winnipeg? 1933?] 3 p. l., 63 p. illus., fold. map.

Contains notes on the Company; an alphabetical list of sixteen fur-bearing animals with notes on their trapping, also on preparation of furs for market, fur grading, and fur farming.

Map: Hudson's Bay Co. establishments in Canada. *Copy seen:* NNS Stef.

7522. HUDSON'S BAY COMPANY. Charters, statutes, orders in council etc. relating to the Hudson's Bay Company. London, 1931. ix, 249 p.

This collection of documents covers the period, 1670–1924.

Copy seen: CaO.

HUDSON'S BAY COMPANY, *see also* *Moccasin telegraph*. 1941–

HUDSON'S BAY COMPANY, *see also* Radio stations H. B. C. 1941.

HUDSON'S BAY COMPANY, *see also* Shindman, B. *Beaver*; index 1921–June 1948. 1948.

HUDSON'S BAY COMPANY, *see also* Tisdall, F. F. *Your food & health*. 1940.

HUDSON'S BAY COMPANY, *see also* Wilson, A. F. *Starboard course round N. America*. 1934–35.

7523. HUDSON'S BAY COMPANY BUILDING NEW ARCTIC BOATS.

(Nor'west miner, Jan.–Feb. 1949. v. 17, no. 1, p. 27, illus.)

News note on the *Rupertsland*, being built to succeed the *Nascopie*, and to go into arctic service in 1949.

Copy seen: CaOGB.

7524. HÜBSCHER, HANS. Zu den sedimentpetrographischen Untersuchungen NO-Grönlands. (In: Naturforschende Gesellschaft Schaffhausen. Grönland 1939. *Pub.* in its: Mitteilungen, 1940, *pub.* 1939. Bd. 16, p. 221) *Title tr.:* On sedimentary petrographic research in northeast Greenland.

Note on heavy mineral content of sand samples from inner Scoresby Sound and King Oskar Fiord.

Copy seen: DGS.

7525. HÜBSCHER, HANS. Zur Petrologie junger Sande aus Nordostgrönland. København, C. A. Reitzel, 1943. 108 p. incl. illus. (incl. sketch map, diagrs. tables. fold. map) (Meddelelser om Grønland, Bd. 115, nr. 3) *Title tr.:* On the petrology of recent sands from northeast Greenland.

Results of the Geological Expedition to East Greenland, 1936–38, under Lauge Koch. The region of the sand samples studied lies at 71°15'–72°15'N. 23°–25°W. i.e., the southeast part of Scoresby Land and the northwest part of Jameson Land. The author describes the heavy minerals and sand fractions of detrital, recent sediments; gives notes on the topography and geology of the southern, northern and fiord regions of the area considered; describes the methods of granulometry; includes a chapter on the sediments from the Soviet arctic seas, Greenland Sea, Denmark and Davis Straits, collected by various expeditions. Bibliography (87 items). *Copy seen:* DSI–M.

7526. HÜBSCHMANN, EBERHARD W. Zur Entwicklung des transarktischen Luftverkehrs. (Polarforschung, 1946, *pub.* 1948. Bd. 2, Jahrg. 16, p. 103–106) *Title tr.:* The development of trans-arctic air communication.

History (in general) of flights from various countries, and the establishment of commercial aviation in northern regions, with discussion of conditions, and knowledge still needed in order to facilitate aerial navigation of the Arctic. *Copy seen:* DSI–M.

7527. HUENE, FRIEDRICH, *Freiherr von*, 1875-. Ein Plesiosaurier-Rest aus Grönländischem oberem Jura. København, C. A. Reitzel, 1935. 10 [2] p. illus., (sketch map). (Meddelelser om Grønland. Bd. 99, nr. 4) *Title tr.*: Plesiosaurian remains from the Upper Jurassic in Greenland.

Locality, age and description of remains of a plesiosaurian (marine reptile) skeleton found in the Lower Kimmeridgian on Milne Land, by members of the Danish Three-Year Expedition, 1931-1934. *Copy seen*: DLC.

7528. HUEY, LAURENCE M. Three noteworthy bird records from Barrow, Alaska. (Condor, Jan. 1931. v. 33, p. 36-37)

Northward extension of range for Kittlitz murrelet, golden eagle, and Gambel sparrow. *Copy seen*: DSI-M.

HUGHES, T. P., *see* Bowden, F. P., & T. P. Hughes. Mechanism of sliding on ice & snow. 1939.

7529. HUISH, ROBERT, 1777-1850, *compiler*. The last voyage of Capt. Sir John Ross, R. N. to the arctic regions; for the discovery of a north west passage; performed in the years 1829-30-31-32 and 33. To which is prefixed an abridgement of the former voyages of Captns. Ross, Parry & other celebrated navigators to the northern latitudes. Compiled from authentic information and original documents, transmitted by William Light, purser's steward to the expedition. Illus. by engravings from drawings taken on the spot. By Robert Huish. London, J. Saunders, 1835. 2 p. l., ii, 716, 44 p. front. (port.), 6 plates, map, fold. tables.

An unofficial narrative of the second Ross voyage in search of the Northwest Passage, 1829-1833. Preceded (p. 1-99) by a summary of previous explorations in search of the Northwest Passage. The narrative (p. 100-694) is apparently based largely upon statements by Mr. Light, of whom Captain (Sir John) Ross had been highly critical (in his *Biography of the "Victory's" crew*, 1835, q.v.) It includes many small incidents and details, particularly concerning the meals of the expedition and the contacts between the crew and Eskimos, and the customs of the Eskimos, with extensive derogatory references to Captain Ross. Vocabulary

(p. 697-703) of about 700 Eskimo words, presumably Netsilik.

Appendix (p. 704-716). General conclusions and correspondence (but not "Minutes of Evidence") from Great Britain, Parliament, House of Commons, Select Committee on the Expedition to the Arctic Seas. Report . . ., [1834], q.v.

Supplement (44 p.) On the position of the North Magnetic Pole. Discussion of the attainment of the Magnetic Pole by Commander J. C. Ross. Includes testimony before the House of Commons Committee on the relative achievements of Captain John Ross and Commander James Clark Ross, and discussion thereof.

Sketch map of known lands in arctic North America. *Copy seen*: DLC.

7530. HUISH, ROBERT, 1777-1850, *compiler*. A narrative of the voyages and travels of Captain Beechey . . . to the Pacific and Behring's Straits; performed in the years 1825, 26, 27 and 28. For the purpose of co-operating with the expeditions under Captains Parry and Franklin. And of Captain Back, R. N., to the Thlew-ee-choh River & the Arctic Sea, in search of the expedition under Capt. J. Ross, R. N., being the conclusion of the series of voyages instituted for the discovery of the North West Passage. Comp. from original and authenticated documents by Robert Huish. London, W. Wright [1836?] 1 p. l., vi, 704 p. front., plates, ports.

Pt. 1 (p. 1-508). Slightly revised version, in the third person, of F. W. Beechey's *Narrative of a voyage to the Pacific and Beering's Strait, 1825-1828*, pub. 1831, q.v.

Pt. 2 (p. 509-704). Condensed version (and lacking scientific appendices) of George Back's *Narrative of the Arctic Land expedition to the mouth of the Great Fish River, 1833-1835*, pub. 1936, q.v. Includes (p. 509-531) introductory information on the purpose and plans of the expedition, and on the British campaign to raise funds for the expedition for relief of the possible survivors of the second Ross expedition.

Copy seen: DGS.

7531. HULKE, J. W. Memorandum on some fossil vertebrate remains collected by the Swedish Expeditions to Spitzbergen in 1864 and 1868. Stockholm,

P. A. Norstedt & Söner, 1873. 11 p. (Svenska vetenskapsakademien. Handlingar, Bihang. Bd. 1, no. 9)

Tentative identification of fragments of reptile, etc., remains in collections made by N.A.E. Nordenskiöld chiefly at Ice Fiord.

Copy seen: DLC.

7532. HULL, J. E. On some land mites (Acari) from Spitsbergen and Bear Island. Results of the Oxford University Expedition to Spitsbergen, 1921—No. 23. (Annals and magazine of natural history, Dec. 1922. Ser. 9, v. 10, p. 621–23) Issued also as Oxford University. *Spitsbergen papers*, 1925. v. 1, no. 23.

List of twelve species, with notes on arctic distribution.

Copy seen: DSI-M.

7533. HULT, RAGNAR, 1857–1899. Die alpinen Pflanzenformationen des nördlichsten Finlands. (Societas pro fauna et flora fennica. Meddelanden, 1888, pub. 1887. Häfte 14, p. 153–228) *Title tr.*: Alpine plant formations of northernmost Finland.

Contains notes on climatic conditions of the extreme northern part of Finnish Lapland, a comparative study of geobotanical characteristics, alpine plant formations and history of development of the vegetation of Inari, Utsjoki and Rastekaisa regions and comparison with other arctic regions of European and Asiatic Russia.

Copy seen: MH-A.

7534. HULT, RAGNAR, 1857–1899. Bidrag till mossfloran på Pallastunturit. (Societas pro fauna et flora fennica. Meddelanden 1913–1914, pub. 1914. Häfte 40, p. 153–55) *Title tr.*: Contribution to the moss flora of Pallastunturit. Published posthumously.

Contains a list of forty-two species of mosses collected during a trip to Pallastunturit in Kemi Lappmark, northern Finland, in July 1877, with some data on habitat.

Copy seen: MH.

7535. HULT, RAGNAR, 1857–1899. Försök till analytisk behandling af växtformationerna. (Societas pro fauna et flora fennica. Meddelanden, 1881. Häfte 8, p. 1–155, fold. table) *Title tr.*: An essay in analytical treatment of plant formations.

Contains an attempt at analytical study of plant formations of northern Finland, on the basis of the author's

observations during his trip to Kemi Lappmark in 1877; includes a morphological and geobotanical survey study of plant formations and data on observations for each of 76 stations.

Copy seen: MH-A.

7536. HULT, RAGNAR, 1857–1899. Mossfloran i tracterna mellan Aavasaksa och Pallastunturit. En studie over mossornas vandringsätt och dess inflytande på frågam om relikfloror. Helsingfors, J. Simelius, 1886. 110 p. (Societas pro fauna et flora fennica. Acta, 1886–1888, pub. 1886. v. 2, no. 1). *Title tr.*: Bryology of Aavasaksa Pallastunturit region. A study of moss migration and its influence on the problem of relict flora.

Contains a study of various moss associations in connection with predominant vegetation (birch forests, coniferous forests, etc.), elements of moss flora, typical species, distribution and moss migration; and an enumeration of more than three hundred mosses and liverworts of the Aavasaksa-Pallastunturit region in Finnish Lapland.

Copy seen: MH-A.

7537. HULT, RAGNAR, 1857–1899. Växtgeografiska anteckningar från den finska Lappmarkens skogsregionen. Helsingfors, 1898. 200 p. (Societas pro fauna et flora fennica. Acta, 1897–1900, pub. 1898. T. 16, no. 2) *Title tr.*: Geobotanical notes from the forest regions of Finnish Lappmark.

Contains a geobotanical study of northern Finland (Sodankylä, Inari and Utsjoki regions), with general description of geobotanical zones (coniferous forest, birch forest, alpine, etc.) of each geographical region, and an enumeration of about two hundred fifty flowering plants and three hundred vascular cryptogams with localities and data on habitat.

Copy seen: MH-A.

HULT, RAGNAR, 1857–1899, see also Hjelt, H., & R. Hult. Vegetationen af Kemi Lappmark. 1885.

7538. HULTÉN, ERIC, 1894– Eruption of a Kamtchatka volcano in 1907 and its atmospheric consequences. (Geologiska föreningen. Förhandlingar, 1924. Bd. 46, p. 407–417, illus., map)

Describes results, observed in 1921 and 1922, of the eruption in 1907 of a volcano (called Ksudatch by the au-

thor) near Petropavlosk in southern Kamchatka. Includes note of optical phenomena resulting from this and other volcanic eruptions and a map of southern Kamchatka prepared by the author; bibliography, p. 416-17.

Copy seen: DLC.

7539. HULTÉN, ERIC, 1894- . Finnes *Carex stylosa* C. A. Meyer i Skandinavien? (Botaniska notiser, 1943, häfte 3, p. 428-32, illus. text maps) *Title tr.*: Is *Carex stylosa* C. A. Meyer found in Scandinavia?

Contains a critical study of *Carex stylosa*, a sedge known from Greenland, arctic Asia, Kamchatka and arctic America, and *C. Bigelovii*, an arctic Scandinavian species (Norway, Sweden) often confounded with *C. stylosa*.

Copy seen: MH-A.

7540. HULTÉN, ERIC, 1894- . Flora of Alaska and Yukon. I-IX. Lund, 1941-1949. 1481 p. 5 plates (pt. IX), fold. map. 1096 small sketch maps. (Lund. Universitet. Årsskrift. Ny följd, Avd. 2, Bde. 37, nr. 1; 38 nr. 1; 39 nr. 1; 40 nr. 1; 41 nr. 1; 42 nr. 1; 43 nr. 1; 44 nr. 1; 45 nr. 1) Publication is still in progress.

The author, curator of the herbarium, Botanical Museum, University of Lund, made an expedition to the Aleutian Islands and southern Alaskan coast in 1932, studied material (previously collected from these regions) in several large herbaria in United States and Canada in 1938, also similar collections sent to him from other museums in the United States and Europe. This work is the first "scientific flora treating all species of vascular plants occurring in these two vast territories."

Contains a systematic list, with keys to genera, references to first description and synonyms, notes on habitat, abundance, etc., type locality and geographic distribution (showing reference to records quoted); of one thousand and ninety-six species, arranged as follows:

1. Pteridophyta, Gymnospermae and Monocotyledoneae (Pandanales and Helobiae).
2. Monocotyledoneae (Glumiflorae, Spathiiflorae).
3. Monocotyledoneae (Liliiflorae, Microspermae) Dicotyledoneae (Salicales).

4. Dicotyledoneae (Myricales, Fagales, Urticales, Santalales, Polygonales, Centrospermae, Ranales).

5. Dicotyledoneae. Rhocadales, Sarraceniales, Rosales I (Crassulaceae, Saxifragaceae).

6. Dicotyledoneae. Rosales II (Rosaceae).

7. Dicotyledoneae. Rosales III, Geraniales, Sapindales, Parietales, Myrtiflorae, Umbelliflorae.

8. Dicotyledoneae. Ericales, Primulales, Contortae, Tubiflorae 1, (Pollemoniaceae, Hydrophyllaceae).

9. Dicotyledoneae. Tubiflorae 2 (Boraginaceae, Labiatae, Solanaceae, Scrophulariaceae, Orobanchaceae, Lentibulariaceae), Plantaginales, Rubiales, Campanulatae 1 (Campanulaceae).

File seen: DSI-M.

7541. HULTÉN, ERIC, 1894- . Flora of Kamchatka and the adjacent islands, I. Pteridophyta, Gymnospermae and Monocotyledoneae. II. Dicotyledoneae: Salicaceae, Cruciferae. III. Dicotyledoneae: Droseraceae, Cornaceae. IV. Dicotyledoneae: Pyrolaceae, Compositae. Stockholm, Almqvist & Wiksell, 1927-30. 4 v. (v. 1: 346 p. illus., 5 plates, map; v. 2: 218 p. illus., maps, 3 plates; v. 3: 213 p. illus., maps, 3 plates; v. 4: 358 p. illus., maps, 6 plates). (Svenska vetenskapsakademien. Handlingar, 3. ser., bd. 5, no. 1-2; bd. 8, no. 1-2)

List, with synonymy, references to literature, localities and remarks, of seven hundred eighty-two species collected on the Kamchatka Peninsula, the Commander Islands and the Kurile Islands during the Swedish Kamchatka Expedition, 1920-1922; additions and corrections, v. 4, p. 235-57; bibliography, v. 4, p. 258-69.

Introduction includes an historical summary of botanical work in Kamchatka, including record of expeditions, 1737-1921, and itinerary of the Swedish Kamchatka Expedition.

Maps indicate actual localities visited.

Copy seen: DLC.

7542. HULTÉN, ERIC, 1894- . Flora of the Aleutian Islands and westernmost Alaska Peninsula with notes on the flora of Commander Islands. Stockholm, Bokförlags aktiebolaget Thule, 1937. 397 p. illus. (incl. maps) 16 plates (incl. front.) diags.

Contains a history of botanical exploration of the region, with a list of botanical collections, p. 9-16; data on geology; climate, plant communities, phytogeography of the Bering Sea region, and a systematic enumeration of four hundred seventy-seven species; bibliography (80 items), notes to the map, p. 348-81, and an index of species.

Copy seen: CaOG; DLC; MH-A.

7543. HULTÉN, ERIC, 1894- . History of botanical exploration in Alaska and Yukon territories from the time of their discovery to 1940. (*Botaniska notiser*, 1940, häfte 4, p. 289-346, fold. map)

Contains a general historical sketch of botanical exploration of Alaska and Yukon Territory from the time of their discovery, a list of over three hundred of botanical collectors and explorers, arranged chronologically, with data on their travels, itineraries, collections, etc., and an index of the names of collectors.

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7544. HULTÉN, ERIC, 1894- . The identity of the genus *Acroschizocarpus*. (*Botaniska notiser*, 1940, häfte 2, p. 170-72, illus.)

Contains a discussion of the identity of a new cruciferous genus *Acroschizocarpus* and its single species *A. Kolianus* described from a specimen collected by E. Kol in Mount McKinley National Park, central Alaska, and held, by the author, to be *Melanidion boreale* Greene.

Copy seen: MH-A.

7545. HULTÉN, ERIC, 1894- . A list of plants from the Chukch-Peninsula. (*Svensk botanisk tidskrift*, 1925. Bd. 19, häfte 1, p. 104-110)

Contains a list of forty-nine plants collected mostly by Lieut. L. Igava in July 1922 in various localities of Chukotsk Peninsula; bibliography (18 items).

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7546. HULTÉN, ERIC, 1894- . Nekotorye geograficheskie zametki k karte ūzhnoi Kamchatki. (*Vsesoŭznoe geograficheskoe obshchestvo. Izvestiia*, 1925. T. 57, vyp. 1, p. 33-52)

Russian translation of his: *Some geographical notes on the map of south Kamchatka*, q.v. (but without illus. or map).

Copy seen: DLC.

7547. HULTÉN, ERIC, 1894- . New or notable species from Alaska. Con-

tributions to the flora of Alaska. I. (*Svensk botanisk tidskrift*, 1936. Bd. 30, häfte 3, p. 515-28, illus.)

Contains an enumeration of twenty rare and noteworthy plants from Alaska, including ten native to the Aleutian Islands, Alaska, St. Lawrence Island and one — *Chrysosplenium pacificum* n. sp. (type) — from central Kamchatka Peninsula, with Latin diagnoses of the ten new species and critical notes; based on collections of the author, W. J. Eyerdam and J. P. Anderson in 1932.

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7548. HULTÉN, ERIC, 1894- . New species of *Astragalus* and *Oxytropis* from Alaska and Yukon. (*Arkiv för botanik*, 1947. Bd. 33B, no. 1, p. 1-5, illus.)

Contains description of *Astragalus vicifolius* n. sp. from the Alaska Range region, and *Oxytropis scammaniana* n. sp., native to the Alaska Range and central Yukon River regions.

Copy seen: MH-A.

7549. HULTÉN, ERIC, 1894- . On the American component in the flora of eastern Siberia; a preliminary note. (*Svensk botanisk tidskrift*, 1928. Bd. 22, häfte 1-2, p. 220-29, text maps)

Contains a geobotanical study of the elements of the flora of Kamchatka Peninsula, giving special attention to the "North Pacific group", about equally distributed in America and Asia, and having pronounced southern distribution in the Kamchatka Peninsula.

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7550. HULTÉN, ERIC, 1894- . On the races in the Scandinavia flora. (*Svensk botanisk tidskrift*, 1949. Bd. 43, häfte 2-3, p. 383-406, illus., text maps)

Contains a discussion of the role of geographic races in Scandinavian flora, racial conditions, floral areas and their overlapping, including data on thirty-three species of flowering plants and vascular cryptogams with data on their total distribution.

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7551. HULTÉN, ERIC, 1894- . Outline of the history of arctic and boreal biota during the Quaternary period; their evolution during and after the glacial period as indicated by the equiformal progressive areas of present plant species. Stockholm, Bokförlags aktiebolaget Thule, 1937. 168 p. illus., 43 maps on 22 leaves.

A phytogeographic study based on the author's work in Kamchatka and the Aleutian Island, and on the published literature. For about two thousand species of flowering plants, he summarizes his knowledge of their occurrence and distribution, between (roughly) the Lena and the Mackenzie Rivers. He gives an outline of the history of arctic and boreal biota in Quaternary time, based on material comprising all species known from northeastern Asia and northwestern America; a study of the influence of the glacial, warm interglacial, and post-glacial periods on plant distribution, on disjunction and reduction of the areals of various species and the radiation of most arctic plants from the Bering Sea area. Bibliography (130 items).

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7552. HULTÉN, ERIC, 1894-. The provenience of *Artemisia verlotorum* Lamolte. (Svensk botanisk tidskrift, 1929, pub. 1930. Bd. 23, häfte 4, p. 496-505, illus.)

Contains a taxonomic discussion in an effort to establish that the home of *Artemisia verlotorum*, a species of herbs occurring in Europe, is Kamchatka Peninsula; with a small bibliography. **Copy seen:** MH-A.

7553. HULTÉN, ERIC, 1894-. *Ranunculus sceleratus* subsp. *reptabundus* inom det fennoskandiska floraområdet. (Botaniska notiser, 1947, häfte 4, p. 350-52, illus.) **Title tr.:** *Ranunculus sceleratus* subsp. *reptabundus* in Fennoscandian floristic region.

Contains some critical notes on the herbaceous genus *Ranunculus sceleratus* subsp. *reptabundus* n. comb. and its distribution in Scandinavia, including Kuusamo, northern Finland, Kola Peninsula and Arkhangelsk.

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7554. HULTÉN, ERIC, 1894-. Some geographical notes on the map of south Kamchatka. (Geografiska annaler, 1923. Årg. 5, häft. 4, p. 329-50, illus., maps)

Descriptive of Kamchatka south of 53°N., based on observations made during the Swedish Kamchatka Expedition, 1920-22, with details on volcanoes, hot springs and the population. Bibliography, p. 350.

Map (1:1 million) shows author's emendation of previous maps. Criticism of this paper was published by N. G. Kell' *Po povodu karty ūzhnoi Kamchatki E. Gultena*, 1925, q.v.

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7555. HULTÉN, ERIC, 1894-. *Stelaria longipes* Goldie and its allies. (Botaniska notiser, 1943, häfte 2, p. 251-70, illus. text maps)

Contains a critical study of *Stelaria longipes* and seven allied plant species, including Latin descriptions of *S. crassipes*, *S. alaskana*, *S. monantha* n. spp. and five new varieties and subspecies, with a list of localities covering all arctic regions.

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7556. HULTÉN, ERIC, 1894-. Studies in the *Potentilla nivea* group. (Botaniska notiser, 1945. häfte 2, p. 127-48, illus., text maps)

Contains a critical revision of the group *Potentilla nivea*, with keys to nine species (two new species, two new vars., one new comb.), critical notes, and detailed data on their distribution covering all arctic regions in Europe, Asia, and North America.

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7557. HULTÉN, ERIC, 1894-. Two new species from Alaska. Contribution to the flora of Alaska II. (Botaniska notiser, 1939, häfte 4, p. 826-29, illus.)

Contains Latin diagnoses of *Claytonia scammaniana* n. sp. from central Alaska and *Artemisia aleutica* n. sp. native to Kiska, Aleutian Islands.

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7558. HULTÉN, ERIC, 1894-. Two new species of *Salix* from Alaska. Contribution to the flora of Alaska III. (Svensk botanisk tidskrift, 1940. Bd. 34, häfte 4, p. 373-76, illus.)

Contains Latin diagnoses of *Salix arctolitoralis* and *S. flagellaris* n. spp., two shrubby willows, native to northern Alaska and Mackenzie District.

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7559. HULTÉN, ERIC, 1894-, and H. ST. JOHN. The American species of *Lysichitum*. (Svensk botanisk tidskrift, 1931, pub. 1932. Bd. 25, häfte 4, p. 453-64, illus., 2 plates, text map)

Contains Latin diagnosis of a perennial herb *Lysichitum americanum* n. sp., ("Lysichiton, a later spelling")

with detailed data on its distribution in Alaska and comparison with another closely related species of "skunk cabbage"—*L. camchateense* growing in southwestern Kamchatka Peninsula.

Copy seen: MH-A.

7560. HULTÉN, ERIC, 1894- , and H. ST. JOHN. Notes on *Lysichiton americanum*. (Svensk botanisk tidskrift, 1934. Bd. 28, häfte 2, p. 362)

Contains a brief supplementary note to the authors' *The American species of Lysichiton*, 1932, q.v., designating a type specimen for *L. americanum*, native to Alaska, and stating that the limit of this species should be drawn two degrees farther north, than was indicated in the previous paper's map.

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HULTÉN, ERIC, 1894- , *see also* Bartram, E. B. Mosses Aleutian Island. 1938.

HULTÉN, ERIC, 1894- , *see also* Becker, W., & E. Hultén. Genus *Viola* in Kamchatka. 1928.

HULTÉN, ERIC, 1894- , *see also* Dahlstedt, G. A. H. Taraxaca from Kamchatka. 1926.

HULTÉN, ERIC, 1894- , *see also* Degelius, G. B. F. Lichens from southern Alaska by Hultén. 1938.

HULTÉN, ERIC, 1894- , *see also* Erlandsson, S. Marine diatoms Kamchatka Exped. 1920-22. 1930.

HULTÉN, ERIC, 1894- , *see also* Hutchison, I. W. Stepping stones from Alaska to Asia. 1937.

HULTÉN, ERIC, 1894- , *see also* Petersen, J. B. Algae collected by Eric Hultén. Kamchatka hot springs. 1946.

HULTÉN, OSKAR ERIC GUNNAR, *see* HULTÉN, ERIC, 1894- .

7561. HULTH, JOHAN MARKUS, 1865-1928. Nordenskiölds - bibliografi; förteckning öfver A. E. Nordenskiölds skrifter. (Ymer, 1902. Årg. 22, p. 277-303) *Title tr.:* Nordenskiöld bibliography; list of A. E. Nordenskiöld's publications.

Bibliography arranged chronologically, with a list of biographies of Nordenskiöld. *Copy seen:* DLC.

7562. HULTH, JOHAN MARKUS, 1865-1928. Swedish arctic and antarctic

explorations, 1758-1910; bibliography. Uppsala, Almqvist & Wiksell. [1910] 2 p. l., 189 p. 1 l. (Svenska vetenskaps-akademiens årsbok för år 1910. Bilaga 2)

Bibliography of 746 items emanating from Swedish arctic expeditions (p. 1-143, 166-69), and 38 from Swedish contributions to arctic and antarctic exploration of other nations (p. 144-48, 170). The bibliography is arranged by subject: voyages and expeditions; geography (including geodesy, hydrography, etc.); physics, meteorology and terrestrial magnetism; geology and paleontology; botany; zoology, anthropology, ethnography, archeology, etc. Includes (p. 149-65) biographical notices of members of arctic and antarctic expeditions. *Copy seen:* CaMAI; DLC.

7563. HULTH, JOHAN MARKUS, 1865-1928. Swedish Spitzbergen bibliography. (In: Nathorst, A. G. Swedish explorations in Spitzbergen, 1758-1908, pt. 2. *Pub.* in: Ymer, 1909. Årg. 29, p. 23-77, also in separate issue)

Contains 376 references listed under 1. Swedish voyages and expeditions. 2. Geography, including geodesy, hydrography, etc. 3. Physics, meteorology, terrestrial magnetism. 4. Geology and paleontology. 5. Botany. 6. Zoology. 7. Addenda and varia. *Copy seen:* DLC.

HULTH, JOHAN MARKUS, 1865-1928, *see also* Nathorst, A. G., & others. Swedish explorations in Spitzbergen. (reprint) 1909.

7564. HUME, GEORGE SHERWOOD, 1893- . Geology of the Norman oil fields and a reconnaissance of a part of Liard River. (Canada. Geological Survey. Summary report, 1922, *pub.* 1923. Pt. B, p. 47-64, 2 plates, fold., col. map)

Contains description of the Liard River area from Nelson River to South Nahanni River (with notes on routes); the Norman oil area, Mackenzie River district, (with notes on the rivers and streams, stratigraphic and structural geology); and copper ore from north shore of Great Bear Lake.

Map: geological (scale 5 mi.: 1 in.) Mackenzie River between Norman and Beaver River (65°-66°N.) including Carcajou River. *Copy seen:* DLC.

7565. HUME, GEORGE SHERWOOD, 1893- . Mackenzie River area, District

of Mackenzie, Northwest Territories. (Canada. Geological Survey. Summary report, 1923, *pub.* 1924. Pt. B, p. 1-15, illus. (map, table) plate, fold. map)

Contents geological results of investigation on the geology and oil resources between Wrigley and Norman, including Little Bear River area, and Brackett River-Whitefish Lake area.

Map: geological (scale about 1 in.: 1 mi.) 63°-65°05'N., 123°-127°W.

Copy seen: DLC.

7566. HUME, GEORGE SHERWOOD, 1893-. North Nahanni and Root Rivers area and Caribou Island, Mackenzie River District. (Canada. Geological Survey. Summary report, 1921, *pub.* 1922. Pt. B, p. 67-78, 2 plates)

Contents: General character, general geology and economic geology, p. 67-76. Ball, W. A. Tertiary plant remains collected by G. S. Hume in the Mackenzie River basin, p. 76. Gold prospects on Caribou Island, Great Slave Lake, p. 76-78.

Copy seen: DLC.

7567. HUME, GEORGE SHERWOOD, 1893-. Oil and gas in western Canada. Ottawa, King's Printer, 1928. v. 152 p. incl. illus., tables. fold. map. (Canada. Geological Survey. Economic geology series no. 5)

Contents include chapters on the origin and accumulation of oil and gas; carbon ratios of coal; and geophysical methods of locating oil; descriptions of oil and gas fields, with wells and operators noted (including Mackenzie River basin: Norman area (with map), Great Slave Lake area). Bibliographical notes throughout.

Appendix: List of wells drilled (including Northwest Territories).

Copy seen: DLC.

7568. HUME, GEORGE SHERWOOD, 1893-. Oil and gas in western Canada. (Second edition). Ottawa, King's Printer, 1933. v. 359 p. incl. illus., (maps) tables, diags. (Canada. Geological Survey. Economic geology series no. 5)

Text of first edition, 1928, rearranged slightly, with very brief additional material on the wells of Great Slave Lake area. *Copy seen:* DGS.

7569. HUME, GEORGE SHERWOOD, 1893-. Oil prospects of the Great Slave Lake and Mackenzie River areas.

(Canadian Institute of Mining and Metallurgy. Transactions, 1932. v. 35, p. 92-103, 439-40, illus.)

Descriptions of the geological formations of the Great Slave Lake area, and (with map) of the Fort Norman area, with remarks on the Arctic Red River area; discussion, p. 439-40.

Copy seen: DGS.

7570. HUME, GEORGE SHERWOOD, 1893-. Ordovician and Silurian fossils from Great Slave Lake. (Canada. National Museum. Bulletin, 1926. No. 44; Geology series, no. 46, p. 59-64, 2 plates)

A description of the beds and of six (including three new) species of brachiopods.

Copy seen: DLC.

7571. HUME, GEORGE SHERWOOD, 1893-, and T. A. LINK. Canol geological investigations in the Mackenzie River area, Northwest Territories and Yukon. Ottawa, King's Printer, 1945. 1 p. l, iii, 87 p. illus. (incl. map) 3 fold. maps. (Canada. Geological Survey. Paper 45-16)

Based on compilation of the various geological surveys previously made in the vicinity (reports of the Canol Project, Imperial Oil Ltd., and Canadian Geological Survey); description of the location, accessibility and extent of Canol Project, its general and economic geology, oil seepages, sulphur springs, Norman Wells field and favorable oil structures.

Map: geological map in three sheets, showing Mackenzie portion of Canol road.

Copy seen: DGS.

7572. HUMPHREYS, NOEL. Ellesmere Land and Grinnell Land. Oxford University Ellesmere Land Expedition, I. (Geographical journal, May, 1936. v. 87, p. 386-410)

A narrative of the fall and winter (1934-35) activities at Etah (the base), and the journey southward to Thule; the Ellesmere and Grinnell Land sledge journeys and the last days at Etah before the return home.

Copy seen: DLC.

7573. HUMPHREYS, NOEL. A note on the Oxford University Ellesmere Land Expedition, 1934. (Geographical journal, Mar. 1937. v. 89, p. 254)

Further remarks on the positions of Troll Fiord and Vendom Fiord on Ellesmere Island. *Copy seen:* DLC.

7574. HUMPHREYS, NOEL, and others. Oxford University Ellesmere Land Expedition. (Geographical journal, May 1936. v. 87, p. 385-443, 4 plates, sketch map, fold. map)

Results of an expedition, July 1934-Oct. 1935, sponsored by the Oxford University Exploration Club, and supported by the University, the Royal Geographical Society and private subscribers. The party was based at Etah and its members explored Ellesmere Island and carried out geological, ornithological and archeological work in the region of the base and on Ellesmere Island.

Contents: Summary of the work of the Expedition.

1. HUMPHREYS, N. Ellesmere Land and Grinnell Land.

2. SHACKLETON, E. The Scoresby Bay journey.

3. MOORE, A. W. The sledge journey to Grant Land.

Appendices: 1. BENTHAM, R. Geology.

2. HAIG-THOMAS, D. Ornithology.

3. SHACKLETON, E. Climate.

4. SHACKLETON, E. Clothing and equipment.

5. SHACKLETON, E. Dogs and sledges.

6. Wilmott, A. J. Botany (brief note announcing report to be made later).

Each paper except Appendix 6, appears in this Bibliography under its author's name. *Copy seen:* DLC.

7575. 110 DAGER SOM FANGER PÅ GRÖNLANDS INLANDSIS. BERNT BALCHEN REDDER AMERIKANSKE FLYVERE FRA DØDEN. (Polar-årboken, 1945. p. 38-45, illus. (port)). *Title tr.:* Imprisoned for 110 days on the Greenland inland ice. Bernt Balchen saves American flyers from death.

Describes the tragic events following the crash of a C53, a U. S. Army bomber on the icecap in 1944; the rescue of the surviving men by Bernt Balchen. *Copy seen:* NN.

7576. HUNFALVY, PAUL. Ueber die samojedische Sprache. Mit besonderer Beziehung auf die objective Conjugation derselben. (Archiv für wissenschaftliche Kunde von Russland, 1858. Bd. 17, p. 620-34, incl. table) *Title tr.:* On the Samoyed language. With special reference to its objective conjugation.

From the Hungarian journal, *Magyar nyelvészet*.

The author correlates Samoyed words with Hungarian and German, referring throughout to Matthias Alexander Castrén's *Nordische Reisen und Forschungen*, a series of twelve works published in St. Petersburg, 1849-58.

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7577. HUNNICUTT, EDWIN W. Bogoslof the moving island. (Alaska life, Apr. 1943. v. 6, no. 4, p. 55-58, map)

Popularly written account of this volcanic island in Bering Sea (53°55'N. 168°W.) which rose out of the water, May 18, 1796.

Copy seen: DLC.

HUNT, GEORGE, see Boas, F. Social organization of Kwakiutl. 1897.

7578. HUNTER, BILL. Let's go crabbing. (Alaska sportsman, Mar. 1945, v. 11, no. 3, p. 18-20, 23, illus.)

Description of fishing and processing crabs commercially in Alaska.

Copy seen: DLC.

7579. HUNTER, FENLEY. Frances Lake Yukon; Dawson 1887, Hunter 1923. Flushing, Long Island, 1924. 103 [1] p. 17 plates, 7 sketch maps.

Journal of a canoe trip during June to Aug. 1923, on Dease Lake and Dease and Frances Rivers to Frances Lake; trips in the surrounding country and return by the same route.

Copy seen: NNS Stef.

7580. HUNTSMAN, ARCHIBALD GOWANLOCK, 1883-. Arctic ice on our eastern coast. Toronto, 1930. 12 p. 4 sketch charts. (Canada. Biological Board, Bulletin no. 13)

Brief account of the course of icebergs: Baffin Bay-Davis Strait-Grand Banks of Newfoundland-Strait of Belle Isle. Includes note of their origin and seasonal behavior.

Copy seen: DSI-M.

7581. HUNTSMAN, ARCHIBALD GOWANLOCK, 1883-. Ascidiacea. Ottawa, King's Printer, 1922. 14 p. (Canadian Arctic Expedition, 1913-1918. Report. v. 6; Fishes and tunicates, Pt. B)

List, with descriptions, locations and synonymy, of sixteen species of tunicates from fourteen dredging stations off the Alaskan coast and in Dolphin and Union Strait, off the Canadian arctic coast. *Copy seen:* DSI-M.

7582. HUNTSMAN, ARCHIBALD GOWANLOCK, 1883-. Biological and oceanographic conditions in Hudson Bay. 1. Hudson Bay and the determination of fisheries. (Canada. Biological Board. Contributions to Canadian biology, 1931. New ser., v. 6, p. 455-62, sketch chart)

Results of the Hudson Bay Fisheries Expedition, 1930, to investigate the fishery possibilities of the Bay. "From both the oceanographic and the fisheries standpoints, Hudson Bay is to be considered, not as an inland sea, but as an enormous, arctic, estuarine basin, with its fisheries largely those of the many rivers of fresh water entering into it."-p. 8.

Copy seen: DLC; DSI-M.

7583. HUNTSMAN, ARCHIBALD GOWANLOCK, 1883-. Results of the Hudson Bay Expedition, 1920. IV. The Ascidiacea. (Canada. Biological Board. Contributions to Canadian biology, 1922. New ser., v. 1, p. 27-38)

Annotated list, with notes on localities, of thirteen species of tunicates from Hudson and James Bay and Hudson Strait. *Copy seen:* DLC; DSI-M.

HUSMAN, CHESTER NEAL, 1908-, see Goldsmith, J. B., & others. Exploratory studies control mosquitoes. 1949.

HUSMAN, CHESTER NEAL, 1908-, see McDuffie, W. C., & others. Effectiveness DDT & other insecticides. 1949.

7584. HUSSEY, RUSSELL CLAUDIUS, 1888-. Corals, brachiopods, gastropods and ostracods from Putnam Highland. (In: Gould, L. M., and others. Contributions to the geology of Foxe Land, Baffin Island. *Pub.* in: Michigan. University. Museum of Paleontology. Contributions, 1928. v. 3, p. 71-75, 4 plates)

Descriptions of nine of the thirteen species of fossil invertebrates collected during the Putnam Baffin Expedition, 1927. *Copy seen:* DGS.

7585. HUSTICH, ILMARI. De årliga variationerna i tillväxtföreteelse och Skördevärden i Lappland. (Geografiska annaler, 1943. Årg. 25, p. 105-115) *Title tr.:* The annual variations in the growth and crop values in Lapland.

Author shows radical growth of pines in the regions of forest limit

69°30'-50'N. in Finnish Lapland, and correlates it (by July mean temperature) with relative crop values of cultivated plants (rye); shows that good years are relatively better and poor years poorer in forest limit regions than farther south; discusses briefly great variations in productive capacity of the soil north of the Arctic Circle, the short period of growth, the great intensity of light. Bibliography (17 items). *Copy seen:* DLC.

7586. HUSTICH, ILMARI. En anteckning om fjällemmel (Lemmus lemmus). (Societas pro fauna et flora fennica. Memoranda, 1934-35, *pub.* 1936. v. 11, p. 170-74) *Title tr.:* A note on lemmings (*Lemmus lemmus*).

Contains biological and ecological notes on lemmings (*Lemmus lemmus*), based on the author's observations in the summers of 1932-34, in Kittilä and Muonio parishes, Enontekiö region of Finnish Lapland. *Copy seen:* MH-A.

7587. HUSTICH, ILMARI. Anteckningar om tallen IV. Tallgränsen vid Saltoluokta i Lule Lappmark. (Societas pro fauna et flora fennica. Memoranda, 1947-1948, *pub.* 1947. v. 24, p. 18-24, illus.) *Title tr.:* Notes on conifers IV. Investigation of conifers in Saltoluokta and Lule Lappmark.

Contains observations on the growth rate of coniferous trees in the Saltoluokta (about 67°24'N. 18°33'E.) and Lule regions of Swedish Lapland, with diagrams, tabulated data, etc.

Copy seen: MH-A.

7588. HUSTICH, ILMARI. Botaniska notiser från västra Lappland. 1. Växtlokaler från skogsregionen. 2. Floran kring en timmerkoja i Kittilä Lappmark. 3. Några för alpina regionen på Pallas-och Ounastunturi nya kärlväxter. (Societas pro fauna et flora fennica. Memoranda, 1934-35, *pub.* 1936. v. 11, p. 154-70) *Title tr.:* Botanical notes from western Lapland. 1. Plant localities from the forest region. 2. Flora around a timber camp in Kittilä Lappmark. 3. Some species new to the vascular plant flora of Pallas and Ounastunturi regions.

Contains the results of botanical and geobotanical investigations, carried out by the author in 1932-34, in the Enontekiö and Kemi regions of Finnish Lapland, with a list of localities of sixty-three plants (pt. 1); a geobotani-

cal sketch of the vegetation in Kittilä region (pt. 2); and a list of thirteen species new to the flora of the regions explored (pt. 3). *Copy seen:* MH-A.

7589. HUSTICH, ILMARI. Climatic fluctuations and vegetation growth in northern Finland during 1890-1939. (Nature, Oct. 4, 1947. v. 160, p. 478-79, diagrs.)

Note on the "climatic hazard coefficient" based on data for forest, cereal and potato growth between 69°30'-70°N. *Copy seen:* DLC.

7590. HUSTICH, ILMARI. *Elymus arenarius* lokalerna i det inre av Lappland. (Societas pro fauna et flora fennica. Memoranda, 1935-36 pub. 1937. v. 12, p. 120-30, illus.) *Title tr.: Elymus arenarius* localities in the interior of Lapland.

Contains data on geographical distribution of a rye grass, *Elymus arenarius* (chiefly confined to coastal regions) in the interior of Lapland, mostly in the Enontekis region of Finnish Lapland. *Copy seen:* MH-A.

7591. HUSTICH, ILMARI. On the forest geography of the Labrador Peninsula. A preliminary synthesis. Helsingfors, 1949. 63 p. text figs. incl. 19 sketch maps. (Acta geographica. 10, no. 2)

Based on the author's observations as a member of the Finnish Labrador Expedition in 1937, and of the Canadian-Finnish James Bay-Hudson Bay Expedition in 1947, also on his field work in 1946 and 1948, covering altogether most of the regions of northern Quebec and Labrador. General remarks on phytogeography of the area, description of its tree lines, forest types, phytogeographical regions and forest reserves; bibliography (100 items).

Copy seen: CaMAI; DA.

7592. HUSTICH, ILMARI. Phytogeographical regions of Labrador. (Arctic, May 1949. v. 2, p. 36-42, 4 sketch maps)

Presentation of a new classification system, dividing the Labrador Peninsula (including northern Ontario and Quebec, Ungava and Labrador proper) into eighteen sections. The sections are characterized by their distinctive geologic, biogeographic, forest, and geographic features.

Copy seen: CaMAI; DLC.

7593. HUSTICH, ILMARI. Västra Lapplands nordligaste granlund med två för prov. Le nya växter. (Societas pro fauna et flora fennica. Memoranda, 1933-34, pub. 1935. v. 10, p. 97-98) *Title tr.: Northernmost spruce groves of western Lapland and two plants new to the Enontekis region.*

Contains a study of the northern limit of distribution of spruce, carried out by the author in 1933, in the Enontekis region of Finnish Lapland (68° 12'N.); also notes on two ferns found during the trip, *Athyrium filix femina* and *Struthiopteris filicastrum*, new to the flora of this region.

Copy seen: MH-A.

HUSTICH, ILMARI, *see also* Buch, H., & I. Hustich. Märklig fyndort för *Diplophyllum*. 1936.

7594. HUTCHINS, JOHN POWER. Prospecting and mining gold placers in Alaska. (In: U. S. Geological Survey. Mineral resources of Alaska in 1907. Bulletin, 1908. No. 345, p. 54-77)

A technological discussion of factors influencing the success of placer-mining operations: discussion of frozen ground, general conditions of prospecting, operation of churn drills, shaft prospecting, hydraulic mining, open-cut mining, dredging, and drift mining.

Copy seen: DGS.

HUTCHINSON, S. J., *see* Davidson, F. A., & others. Factors influencing upstream migration pink salmon. 1943.

7595. HUTCHISON, ISOBEL WYLIE, 1889- . The Aleutian Islands, America's back door. London and Glasgow, Blackie & Son Ltd. [1942] x, 182 p. col. front, plates, ports, map on lining-papers.

"Cheap edition 1942" of the author's *Stepping stones from Alaska to Asia*, 1937, q.v., with final paragraphs of text changed somewhat, and a few illustrations, the epilogue and appendices omitted.

Copy seen: DLC.

7596. HUTCHISON, ISOBEL WYLIE, 1889- . Flowers and farming in Greenland. (Scottish geographical magazine, July 1930. v. 46, p. 214-30, illus.)

Lecture before the Royal Scottish Geographical Society, based on the author's observations and collections made at Angmagssalik, in East Greenland, and in the Julianehaab District and at

Umanak, West Greenland. Includes lists of ninety-seven species of plants found in southwestern and eastern Greenland, and ninety-nine species found in Umanak District, representing one hundred sixty-eight species in all. *Copy seen:* DLC.

7597. HUTCHISON, ISOBEL WYLIE, 1889-. North to the rime-ringed sun, an Alaskan journey. New York, Hillman-Curl, Inc., 1937. viii, 262 p. col. front., plates (part col.) fold. map. American issue, with new title page, of the item above. *Copy seen:* DLC.

7598. HUTCHISON, ISOBEL WYLIE, 1889-. North to the rime-ringed sun; being the record of an Alaskan-Canadian journey made in 1933-34. London and Glasgow, Blackie & Son Ltd., 1934. viii, 262 p. col. front., plates (part col.) ports., fold. map.

Story of the author's travels to Alaska by the Inside Passage, Fairbanks, Nome, thence to Herschel Island, Aklavik and Edmonton, Canada, and of her collecting of botanical specimens en route.

Appendix: 1. List of curios acquired for the University Museum of Ethnology, Cambridge. 2. List of plants collected in Alaska and Yukon, June-Aug. 1933, for the Royal Herbarium of Kew. (annotated). *Copy seen:* DLC.

7599. HUTCHISON, ISOBEL WYLIE, 1889-. On Greenland's closed shore, the fairyland of the Arctic, with a preface by Dr. Knud Rasmussen. Edinburgh and London, W. Blackwood & Sons, Ltd., 1930. xviii, 395 p. front., plates, ports., map.

Story of the author's visit to Angmagssalik and Julianehaab in 1927, her sojourn at Umanak, 1928-29, and visits to other localities on the west coast of Greenland.

Appendix: A. list of plants found in southern and eastern Greenland. B. List of plants found in Umanak District. (both lists as those in the author's *Flowers in Greenland*, 1930, q.v.)

Copy seen: DLC.

7600. HUTCHISON, ISOBEL WYLIE, 1889-. The riddle of the Aleutians. A botanist explores the origin of plants on ever-misty islands now enshrouded in the fog of war. (National geographic magazine, Dec. 1942. v. 82, p. 769-92, illus.)

Account of the author's botanical trip in the summer 1936, containing general description of the islands, their plants, and Aleut inhabitants. *Illus.* are reproduced from more recent photographs of wartime interest.

Copy seen: DLC.

7601. HUTCHISON, ISOBEL WYLIE, 1889-. Stepping stones from Alaska to Asia. London and Glasgow, Blackie & Son, Ltd., [1937] x, 246 p. col. front., plates (part col.) fold. map, map on lining-papers.

The story of a visit to the Aleutian Islands in 1936 to collect botanical specimens. *Appendix* 1. List of curios acquired for the Royal Scottish Museum. 2. List of plants collected for the British Museum, at Seward, and on Kodiak, the Pribilof and Aleutian Islands, identified by Dr. Eric Hultén.

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HUTCHISON, ISOBEL WYLIE, 1889-, *see also* Masik, A. Arctic nights' entertainments. 1935.

HUTCHISON, ISOBEL WYLIE, 1889-, *see also* Rasmussen, K. J. V. Eagle's gift. 1932.

7602. HUTCHISON, R. D. Operation Magnetic, 1949. (Arctic circular, Nov. 1949. v. 2, p. 81-83) Mimeographed.

Account of an airborne expedition, July-Aug., of the Canadian Dominion Observatory, during which observations were made at nineteen stations in Northwest Territories and Canadian Arctic Islands. *Copy seen:* CaMAI.

7603. HUTTL, JOHN B. Building an earth-fill dam in arctic placer territory. (Engineering and mining journal, July 1948. v. 149, no. 7, p. 90-92, illus.)

Details of operation in stripping the site on frozen soil by hydraulic method, using the tundra as a filter and the frozen soil as bottom; and description of the hydraulic-fill method used for completing the Hess Creek dam which has made a reservoir of 380 acres, ninety miles from Fairbanks, Alaska. *Copy seen:* DGS.

HUTTON, F. V., *see* Canada. Experimental Farms Service. Report agricultural possibilities 1944. 1945?

HUTTON, F. V., *see* Canada. Experimental Farms Service. Report agricultural investigation, 1945. 1946.

HUTTON, GEORGE S., *see* Gjullin, C. M., & others. Relative effectiveness insecticides. 1949.

7604. HUTTON, J. E. A history of Moravian missions. London, Moravian Publication Office, [1923] 4 p. l., 3-550 p., 1 l. 7 maps (1 on Arctic)

Includes chapters on Greenland, 1733-74; Labrador, 1752-1804; and Alaska, 1885-1914; with an index and bibliography (45 items on arctic and general work). *Copy seen:* NNNStef.

7605. HUTTON, SAMUEL KING, 1877-

. Among the Eskimos of Labrador; a record of five years' close intercourse with the Eskimo tribes of Labrador. London, Seeley, Service & Co., Ltd., 1912. 4 p. l., xiii-xviii, 21-343 [1] p. 33 plates, incl. ports., 2 maps (1 fold.) Issued also in Philadelphia by Lippincott, 1912.

The author served as a medical missionary on Killinek Island, northernmost Labrador, for seven years, 1908-15. He includes in this record of his life there, a useful and rather detailed account of the material and spiritual culture of the Eskimos.

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7606. HUTTON, SAMUEL KING, 1877-

. An Eskimo village. London, Society for Promoting Christian Knowledge; New York [etc.] Macmillan Co. [1929] ix, 11-156 p. front., 7 plates, incl. ports.

The author, a medical doctor, worked at the hospital at Okak on Kivalek Island, off the east coast of Labrador. He describes the life patterns of Labrador Eskimos along the coast as he knew them, and their traditions from times before white man's influence affected them.

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7607. HUTTON, SAMUEL KING, 1877-

. Health conditions and disease incidence among the Eskimos of Labrador. Poole, Eng., J. Looker, Ltd. [1925?] 74 p.

The author discusses the climate, food and habits of the Eskimos, his clinical observations, influenza, syphilis, child mortality, and the future of the Eskimo. *Appendix:* Diseases known to have occurred among the Eskimos of Labrador.

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7608. HUTTON, SAMUEL KING, 1877-

. Health in northern Labrador. (World's health, Feb. 1927. v. 8, p. 40-44, illus.)

Notes on climate, housing, food, and civilization as they affect the health of the Eskimos.

Copy seen: DLC; NNNStef.

7609. HUTTON, SAMUEL KING, 1877-

. The Labrador Eskimo and his problems. (Hospital social service, 1928. v. 17, p. 373-76)

Notes on diet, disease and hygiene of the natives of northern Labrador.

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7610. HUUMONEN, M. E. Kasvistoja kasvullisuusmuistiinpanoja luonnontieteellisista maakunnista Lkcm, Ob ja Om. (Societas pro fauna et flora fennica. Meddelanden 1912-1913, pub. 1913. Häfte 39, p. 152-64) *Title tr.:* Floristic and topographical plant notes on Lapponia kemensis, Ostrobothnia borealis and Ostrobothnia media.

Contains a geobotanical study of three natural regions of northwestern Finland, including Kemi Lappmark, with a list of plants for various stations and chief topographical data.

Copy seen: MH.

7611. HUUS, JOHAN. Ascidien aus dem Sibirischen Eismeer. Bergen, John Grieg, 1929. 15 p. illus. (*Maud Expedition*, 1918-1925. Scientific results, v. 5, no. 9) *Title tr.:* Ascidians from the Siberian Arctic Ocean.

List, with synonymy, descriptions, distribution and discussion of varieties, of two species of sea squirts, collected in the East Siberian Sea; bibliography (26 items).

Copy seen: DLC.

7612. HUUS, JOHAN. Über die ausbreitungshindernisse der Meerstiefen und die geographische Verbreitung der Ascidien. (Nytt magasin for naturvidenskapene, 1927. Bd. 65, p. 153-74, text maps) *Title tr.:* Difficulties of spreading in deep sea and geographic distribution of Ascidia.

Contains a study of the distribution of sea squirts (Ascidia) and the influence of various factors such as temperature, currents, etc., on their spreading; data on general distribution of Ascidia including a list of twenty-six Atlantic boreal forms occurring also in arctic regions; bibliography (34 items).

Copy seen: MH-Z.

7613. HUXLEY, Sir JULIAN SORELL, 1887- . Courtship activities in the red-throated diver (*Colymbus stellatus* Pontopp.); together with a discussion of the evolution of courtship in birds. (Linnean Society. Journal; zoology, June 1923. v. 35, p. 253-92, 2 plates)

Results of the Oxford University Expedition to Spitsbergen, 1921. No. 21. Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 7.

Copy seen: DLC.

7614. HUXLEY, Sir JULIAN SORELL, 1887- . The Oxford University Expedition to Spitsbergen, 1921. (Queckett Microscopical Club. Journal, Nov. 1922. Ser. 2, v. 14, p. 299-300)

Statement of the objectives of the expedition and notes on its personnel and publications. **Copy seen:** DSI-M.

7615. HUXLEY, Sir JULIAN SORELL, 1887- . Les "sols polygonaux" et l'évolution des phénomènes, de dénudation dans les pays arctiques. (Annales de géographie, Jan. 1925. Ann. 34, p. 60-62, diags.) **Title tr.:** Polygonal soils and the evolution of denudation phenomena in arctic regions.

Description (in brief) of solifluction phenomena with a diagram of the process from rock to soil structure.

Copy seen: DLC.

7616. HUXLEY, Sir JULIAN SORELL, 1887- , and N. E. ODELL. Notes on surface markings in Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1921. No. 30. (Geographical journal, Mar. 1924. v. 63, p. 207-28, illus., 2 plates) Issued also as Oxford University, *Spitsbergen papers*, 1925, v. 1, no. 2.

Contents: Terminology. Stone-polygons. Fissure polygons. Arcuate markings. Theoretical. **Copy seen:** DLC.

HUXLEY, Sir JULIAN SORELL, 1887- , see also Oordt, G. J. van, & Sir J. S. Huxley. Some observ. on habits red-throated diver. 1922.

7617. HYATT, ALPHEUS, 1838-1902. Report on the Mesozoic fossils. (*In:* Dall, W. H. Report on coal and lignite of Alaska. *Pub.* in U. S. Geological Survey. Annual report, 1895-96, *pub.* 1896. v. 17, pt. 1, p. 907-908)

A brief report on specimens from six localities (Kodiak, Cape Thompson, Cook Inlet, Kialagvit Bay, Chasik Island, and Cold Harbor) with discussion of their age. **Copy seen:** DGS.

7618. HYATT, ROBERT M. The great trek. (Alaska sportsman, Mar. 1935. v. 1, no. 3, p. 14-15, 26, illus.)

Journalist's account of the drive by Eskimo and Laplanders from Seward Peninsula to the Mackenzie delta 1930-35, of three thousand reindeer, purchased by the Canadian government from the Lomen Reindeer Corporation of Alaska. **Copy seen:** DLC.

7619. HYDE, ALEXANDER, 1814-1881, and others. The frozen zone and its explorers; a comprehensive record of voyages, travels, discoveries, adventures and whale-fishing in the arctic regions for one thousand years. With a . . . history of the late expedition . . . in the ill-fated *Polaris*. Hartford, Conn. [etc.] Columbian Book Co., 1874. xvi, 800 p. incl. illus. (incl. 4 maps) front., 69 plates, incl. ports., fold. map. **Other authors:** A. C. Baldwin, W. L. Gage, and C. W. Shields.

Contains (mainly) a history of exploration and whaling in the North American and European Arctic, with brief chapters on Siberia and Alaska; a useful résumé of the Hall expedition in the *Polaris* 1871-73, and the drift of the ice-floe party; with concluding chapters on late 19th century German and Scandinavian expeditions.

Copy seen: DLC; NNSf.

7620. HYDE, JOHN, 1848-1929. Wonderland; or, Alaska and the inland passage, by Lieut. Frederick Schwatka. With a description of the country traversed by the Northern Pacific Railroad, by John Hyde. [Chicago, Rand McNally & Co., printers] c1886. 96 p. col. front., illus.

Tourist literature, including (p. 60-96) informative description of the attractions of Southeast Alaska, by Schwatka. **Copy seen:** DLC.

7621. HYDE, JOHN, 1848-1929. Wonderland; or, the Pacific Northwest and Alaska; with a description of the country traversed by the Northern Pacific Railroad. [Chicago, Rand, McNally & Co.] c1888. 94 p. front., illus. map on verso of front cover.

Another edition, with the Alaska section, p. 68-94, in conventional travelogue style.

Copy seen: DLC; NNSf.

7622. HYLAND, WILLIAM L., and M. H. MELLISH. Steam heated con-

duits, utilidors, protect service pipes from freezing. (Civil engineering, Jan. 1949. v. 19, no. 1, p. 27-29, 73, illus., diags.)

Note on water supply and disposal in Churchill and Fairbanks, and detailed description of military utilidor systems (with plans and cross-sections) for providing water supply in permafrost regions. **Copy seen:** DGS.

7623. HYLANDER, NILS. *Thlaspi alpestre* L. i Sverige. (Svensk botanisk tidskrift, 1943. Bd. 37, häfte 4, p. 376-402, illus. text maps) **Title tr.:** *Thlaspi alpestre* L. in Sweden.

Contains a taxonomic discussion establishing two races of the herb *Thlaspi alpestre*, including subspecies *silvestre*, native to Norrbotten and Lule Lappmark, ssp. *brachypetalum* v. *suecicum* from Kiruna, Torne Lappmark, with detailed data on distribution of these herbs in Sweden. Summary in German. **Copy seen:** MH-A.

7624. HYLLNINGSSKRIFT TILLÄG-NAD SVEN HEDIN PÅ HANS 70-ÅRS DAG DEN 19 FEBR. 1935 . . . Stockholm, I distribution: Generalstabens litografiska anstalt [1935] xvi, 668 p. illus., plates (part col., part fold.) port., maps (part fold.) diags. (part fold.) Edited by Axel Wallén.

Issued with Geografiska annaler 1935, pub. by the Svenska sällskapet för antropologi och geografi. Årg. 17, 1935. **Title tr.:** Festschrift to Sven Hedin on his 70th birthday, Feb. 19, 1935.

Contents include three papers relating to the North; each appears in this Bibliography under its author's name:

AHLMANN, H. W. Determination of the ablation of snow and ice.

KOCH, L. A day in North Greenland.

SAMOILOVICH, R. L. Exploration of the polar part of U.S.S.R. in 1934.

Copy seen: DLC.

7625. HYLMÖ, D. E. Algenimmigration nach der schwedischen Westküste. (Botaniska notiser, 1933, häfte 1-3, p. 377-90) **Title tr.:** Immigration of algae to the western coast of Sweden.

Contains data on immigration of two species of algae, *Fucus inflatus* (known from Ellesmere Island, Greenland and Jan Mayen), and *Callithamnion rosaceum* (England, France, western Norway) to the western coast of Sweden

(Bohuslan, Halland); bibliography (31 items). **Copy seen:** MH-A.

7626. HYMAN, LIBBIE HENRIETTA, 1888- . North American Rhabdocoela and Allococoela. III. *Mesotoma arctica*, n.sp., from northern Canada. New York, 1938. 8 p. illus. (American Museum of Natural History, N. Y. American Museum Novitates, No. 1005)

Contains full description of anatomy, and note on habitat, of this flatworm, based on specimens from fresh-water pools in the tundra near Churchill, Manitoba. **Copy seen:** DSI-M.

7627. HYNES, FRANK W. Shrimp fishery of Southeast Alaska. (U. S. Fish and Wildlife Service. Report of the U. S. Commissioner of Fisheries, 1929, pub. 1930. p. 1-18, illus. Fisheries document no. 1052)

Contains notes on the development of the fishery since 1915; the methods, appliances, plants and processes, and fishing grounds; discussion of the natural history of the shrimp (list of thirteen species, distribution, relative abundance, size and number of eggs, and seasonal variation), of the conservation problems and regulation of the fishery. **Copy seen:** DF.

HYRYLAINEN, HEIKKI, see Suomalainen tiedeakatemia. Sodankylä observatorium. Ergebnisse d. magnet. Beob. 1914-39. 1921-47.

I. A., see A., I.

7628. IACHEVSKII, L. O vîechno merzloi pochvîe v Sibiri. (Vsesoiuznoe geograficheskoe obshchestvo. Izvîestiâ, 1889. T. 25, p. 341-55, map) **Title tr.:** On permafrost in Siberia.

A mining engineer's report on permafrost, which summarizes Middendorff's observations in the Shergin pit, criticizes his findings, and mentions the criticisms of others; refers also to the work of I. Lopatin in the Vitim region (59°27'N. 112°34'E.)

Copy seen: DLC.

IACOBS, AUTMAN, see Ostermann, H. B. S. Sjældne aktstykker 18de århundredes Grønland. 1933.

7629. IADRINTSEV, NIKOLAI MIKHAILOVICH, 1842-1894. Inorodtây Sibiri i ikh vymiranie. (Russkaja mysl' 1883, Kn. 3, p. 81-128) **Title tr.:** The native of Siberia and their dying out.

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Contains discussion of the decrease in native population of Siberia, and contributing causes. Includes statistical and other data on the economies and numbers of the Voguls, Samoyeds, Ostyaks, and Yenisey Ostyaks.

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7630. IADRINTSEV, NIKOLAI MIKHAILOVICH, 1842-1894. O kul'te medvedia, preimushchestvenno u severnykh inorodtsev. (Étnograficheskoe obozrenie, 1890, v. 1, no. 1, p. 101-113) *Title tr.:* The bear cult, primarily among the northern tribes.

Contains data on the bear cult among the Tobol Ostyaks, the Surgut Ostyaks, the Ainu, the Gilyaks, the Lapps, the Voguls and the Altayans. Supplementary remarks were made by G. I. Kulikovskii in *O kul'te medvedia*, 1890, q.v.

Copy seen: DLC.

7631. IADRINTSEV, NIKOLAI MIKHAILOVICH, 1842-1894. Sibir' kak koloniia. Sanktpeterburg, Tipografiia M. M. Stasulevicha, 1882. 472 p. *Title tr.:* Siberia as a colony.

Contains material on the native population of Siberia, its economy, and decrease in population (chap. 3); government policy toward natives, tributes and taxation; christianization; future of native groups: Aleuts, Chukchis, Ostyaks, Samoyeds, Tungus, Voguls, Yakuts (chap. 4).

Copy seen: NN.

7632. IADRINTSEV, NIKOLAI MIKHAILOVICH, 1842-1894. Sibirskie inorodtšy, ikh byt i sovremennoe položenie. Étnograficheskii i statisticheskiĭ izsledovaniia s prilozheniem statisticheskikh tablits. S.-Peterburg, Izdanie I. M. Sibirskova, 1891. 3 p. 1, 308 p. *Title tr.:* Siberian natives, their customs and contemporary position. Ethnological and statistical investigations, with the appendix of statistical tables.

Contains descriptive, historical and statistical material on the native Siberian groups. Data on the linguistic classification of the Ugro-Altaians (sec. 2); ethnology of the Voguls (sec. 7); ethnology of the Ostyaks and Samoyeds (sec. 8); notes on the history of the Ugro-Altaians (sec. 10); causes of the rapid decrease of native population in Siberia (sec. 11); relationship between the native and Russian population (sec. 12); results of cultural contacts with the Russians; also seven-

teen tables of statistics on number, distribution, occupation, religion and economy of the natives of Siberia.

Copy seen: DLC.

7633. IAKIMOV, V. L. and others. Dal'neishie issledovaniia po koktsidiozu severnykh olenei. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 159-60, plate) *Other authors:* S. N. Machul'skii and O. A. Spartanskai. *Title tr.:* Further investigations of reindeer coccidiosis. Summary in English.

Copy seen: CaOA; DF.

7634. IAKIMOV, V. L. *Eimeria polaris* n. sp. koktsidiia severnykh olenei. (Leningrad, Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 24, p. 149-55, illus., tables) *Title tr.:* *Eimeria polaris* n. sp. Coccidia on reindeer.

A new species of parasite found by the author in 1933. Summary in German.

Copy seen: DLC.

7635. IAKIMOV, V. L. and others. K voprosu o koktsidiakh severnogo olenia. Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 151-58, tables) *Other authors:* I. I. Sokolov and S. N. Machul'skii. *Title tr.:* On coccidiosis of the reindeer. Summary in English.

Copy seen: CaOA; DF.

7636. IAKIMOV, V. L. K voprosu o sarkotistozе severnykh olenei. (Sovetskoe olenevodstvo, 1937. Vyp. 9, p. 107-113, illus.) *Title tr.:* On the question of Sarcocystis of reindeer.

Sarcocysts in reindeer muscle, their effect on health and efficiency. Summary in English.

Copy seen: CaOA; DF.

7637. IAKIMOV, V. L. O koktsidiakh severnogo olenia. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstva, 1940. Vyp. 9, p. 145-47, illus.) *Title tr.:* On Coccidae of reindeer.

Descriptions of four new species of this parasite.

Copy seen: DLC.

IAKIMOVICH, I. K., see Pravdin, I. F., & I. K. Iakimovich. Omul' iz Obskoi guby. 1940.

7638. IAKOBI, N. O. Prilivy v vos-tochnoi chasti Iugorskogo Shara. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 81, p. 21-24, tables, diagrs.) *Title tr.:* Tides in the eastern part of Yugorskiy Shar.

Observations made Aug. 16-30, 1934, at the strait between Vaygach Island and the mainland. *Copy seen:* DLC.

7639. **IAKOBI, N. O.** Svecha krasnogo ognia dlia nochnykh sharo-pilotnykh nabludenii v poliarnykh oblastakh. (Meteorologicheskii vestnik, 1929. No. 9-12, p. 268-71, diagr.) *Title tr.:* Red flare for night pilot balloon observations in the polar regions.

The flare is described and specifications are given as to design. The light is readily visible for distances up to 11 km.

Copy seen: DWB.

7640. **IAKOBII, A. I.** Instruktshiia izsledovaniia inorodcheskikh plemen Tobol'skago sivera. (Zhivaiia starina, 1896. v. 6, vyp. 3-4, p. 273-76) *Title tr.:* Instructions for investigation of the native tribes of the Tobol northern region.

Contains short program for collecting ethnographical material among the native groups of the northern portion of the Tobol region (the Samoyeds, Ostyaks, and Voguls), in view of the gradual decrease in their number.

Copy seen: DLC.

7641. **IAKOBII, A. I.** Ugasanie inorodcheskikh plemen Tobol'skago sivera. (Zhivaiia starina, 1896, v. 6, vyp. 3-4, p. 267-72) *Title tr.:* The dying out of the native tribes of the Tobol northern region.

Contains evidence of, and data on causes of the decrease of population among the Samoyeds, Voguls, Ostyaks.

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7642. **IAKOBSON, G. G.** Zoologicheskiia izsledovaniia na Novoi Zemli v 1896 g. Nasiekomyia Novoi Zemli. (In: Ekspeditshiia Imperatorskoi Akademii nauk na Novuiu Zemliu, 1896. Otchet, 1898. Pub. in: Akademiia nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique. Vol. 8, no. 1, p. 171-244) *Title tr.:* Zoological exploration on Novaya Zemlya in 1896. The insects of Novaya Zemlya.

Report by the zoologist of the expedition on work done during the Academy's expedition to Novaya Zemlya to observe the solar eclipse. Contains introductory remarks on some flowers noted and all the insects collected, followed by complete list of insects found to date on Novaya Zemlya and Vaygach, and similar lists for Svalbard

and Bear Island, Greenland, the western islands of Baffin Bay, Iceland, Faroe Islands, and New Siberian Islands with a table showing distribution of species by orders. Bibliographies.

Copy seen: DSI.

7643. **IAKOVLEV, A. N.** Ob uchete "sobstvennykh" dvizhenii sudna pri izmerenii techenii. (Severnii morskoi put', 1939. No. 11, p. 55-58, diagrs.) *Title tr.:* On the calculation of a ship's "own" movements in connection with its measurements of currents.

Some discussion of methods used for determining currents *per se* when measured from moving ships.

Copy seen: DLC.

7644. **IAKOVLEV, A L E K S A N D R STEPANOVICH, editor, 1886-** Zapiski o neobyknovennom. Iz dnevnikov zhurnalistov uchastnikov pokhoda "Krasina" i "Malygina". Moskva, Gos. izd-vo, 1929. 188, [1] p., illus. *Title tr.:* Notes about the extraordinary. From the diaries of the journalists who took part in the expedition of the *Krasin* and the *Malygin*.

Narratives by A. Iakovlev, A. Garri, E. Mindlin, Z. Ostrovskii, I. Valentii, and the aviator Chukhnovskii, with a preface by V. Iu. Vize, who was in charge of the *Malygin*, when the two ice-breakers went to the rescue of the Nobile Expedition (1928). Besides the day-to-day activities on board, the accounts include an appreciation of Amundsen, descriptions of nature, and the story of the exploratory flights of Babushkin and Chukhnovskii (the latter was on the *Krasin*). The area covered was in the Barents Sea and the Svalbard region.

Copy seen: DLC.

7645. **IAKOVLEV, B.** Nadvodnye tumany Kol'skogo zaliva v kholodnuu polovinu goda. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1936, no. 1, p. 56-68, 5 maps) *Title tr.:* Fogs over the surface of Kola Bay during the cold weather.

Description of the process of fog formation by the over-running of cold air over the warmer sea surface in Kola Bay under certain synoptic weather situations.

Copy seen: DLC.

7646. **IAKOVLEV, E.** Peredvizhenie gagary chernozobi pod vodi. (Priroda i sotsialisticheskoe khoziaistvo, 1941. Sbornik 8, chast' 2, p. 458-59)

Title tr.: Movement of the black-throated loon under water.

Results of observations on the Yenisey tundra in July 1923, of the loon's movement under water by swinging its wings.

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7647. **IAKOVLEV, N. N.** Dva novykh roda morskikh lilii (Poteriocrinidae) iz verkhnepaleozoiskikh otlozhenii Pechorskogo kraia. (Akademiia nauk SSSR. Geologicheskii muzei. Trudy, 1928. T. 3, p. 1-8, illus., 2 plates) **Title tr.:** Two new species of sea lilies (Poteriocrinidae) from Upper Paleozoic deposits of the Pechora region.

Description of two new fossil species of this echinoderm from the collection of N. A. Kulik, 1915, and A. V. Zhuravskii, 1905, taken on the banks of Adz'va River, Bol'shezemel'skaya Tundra.

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IAKOVLEV, N. N., see also Vittenburg, P. V., & N. N. Iakovlev. K voprosu o vozraste porod. 1922.

7648. **IAKOVLEV, P. V.** Rezul'taty opytov primeneniia nefelino-apatitovoi porody dlia udobreniia pochv. (In: Khibinskie apatity, 1931. T. 3, p. 235-56, tables) **Title tr.:** Results of experiments in the utilization of nepheline-apatite types, for the fertilization of soil.

Description of experiments in utilizing apatite flour and nepheline-syenite as fertilizers for mineral and swampy soils, carried out by the Khibina Experimental Station in 1927-28 and 1930.

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IAKOVLEV, PETER, see Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

IAKOVLEV, PETER, see also Pallas, P. S. Neue nordische Beyträge. 1781-96.

7649. **IAKOVLEVA, M. E.** Differentsirovannaiia gabbro-diabazovaiia intruziia raiona ozer Kheta-Glubokoe Taymskogo poluostrova. (Akademiia nauk SSSR. Doklady, 1948. T. 59, no. 3, p. 541-44, diagr.) **Title tr.:** The differentiated gabbro-diabasic intrusion in the region of the Kheta-Glubokoye Lakes, Taymyr Peninsula.

Results of chemical analysis of the intrusion.

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7650. **IAKUTIIA;** sbornik statei pod redaktsiei P. V. Vittenburga. Leningrad, Izd-vo Akademii nauk SSSR, 1927. xxvi p. 1 l. 746, [6] p. illus., ports., maps, tables, diagrs. **Title tr.:** Yakutia; a compilation of articles under the editorship of P. V. Vittenburg.

Contents tr.: BERG, L. S. The history of geographic exploration of the Yakut area.

GRIGOR'EV, A. A. A geomorphological sketch of Yakutia.

GEKKER, R. F. Geological sketch of the Yakut Republic.

GLINKA, K. D. Sketch on soils in Yakutia.

ZVEROV, V. N. A description of the mineral resources of the Yakut Republic.

KOMAROV, V. L. A description of vegetation of Yakutia.

TUGARINOV, A. Ia. A general sketch of the fauna of Yakutia.

VIZE, V. Iu. The climate of Yakutia.

BAKHRUSHIN, S. V. The historical path of Yakutia.

MAINOV, I. I. The population of Yakutia.

DOPPEL'MAIR, G. G. Fur trade and hunting of Yakutia.

BORISOV, P. G. A description of the fisheries of the Yakut Republic.

NEDOKUCHAEV, N. K. The agriculture of Yakutia.

NEDRIGAILOV, S. N. Forest resources and forestry of Yakutia.

MOLODYKH, I. F. The means of communication in Yakutia.

VOLENS, N. V. A sketch of the economic structure of Yakutia.

A publication of the Academy of Sciences U.S.S.R. with bibliography (6 p.) at end, and additional bibliographies with the individual papers.

Each paper appears in this Bibliography under its author's name.

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7651. **IAKUTSKAIA GORNO-TEKH-NICHESKAIA KONTORA.** Gornye bogatstva Iakutii. Iakutsk, Iakutskaiia gosudarstvennaiia tipografiia, 1927. 127 p., tables (Ocherk, no. 1) **Title tr.:** The mineral wealth of Yakutia. Edited by P. V. Grunwald.

Contains (p. 3-84) a history of geological investigations and industrial explorations of the mineral resources of Yakut A.S.S.R., surveyed in its eleven natural regions: basin of the Vilyuy,

left tributary of the Lena (gold, platinum, salt, coal, Iceland spar, phosphorite); the Yakutsk region (coal, iron); lower Lena region (coal); the polar region, basins of the Olenek, Anabar and Khatanga Rivers, (coal and salt); the Verkhoyansk region (lead, silver); basin of the Indigirka (precious stones); New Siberian Islands; Kolyma River; basin of Olekma River, tributary of the Lena, (gold); Aldan River region (gold) with its sub-region, Uchura River (gold); and Maya River region (coal, gold, tin, petroleum); also (p. 85-127) tables of sites etc., and of industrial minerals in Yakut A.S.S.R. *Copy seen:* DLC.

IAKUTSENI, P. P., see Meleshko, V. P., & P. P. Iakutseni. *Priliv v bukte Diksona*. 1937.

7652. IANDOVSKII, N. N. *Materialy po gidrologii reki Indigirki*. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy 1938. T. 105, p. 99-124, tables, diags.) *Title tr.:* Materials on the hydrology of Indigirka River.

General description and historical sketch of the investigation of the Indigirka River and its main tributaries, p. 99-101; tasks of the Hydrological Expedition of the Arctic Institute to the lower reaches of the river in 1935-36, and results of work at the expedition's two stations, at Pesochnyi village (70°40'N. 149°20'E.), and at Vorontsov village (69°35'N. 149°40'E.), 151 and 331 km. respectively from the estuary.

Meteorological observations (mean monthly air temperature and wind velocity and direction), p. 101-103; hydrometric work on determination of water level, p. 104-110; ice conditions (freezing and breakup, formation, external characteristics, structure, thickness, etc.) p. 110-12; velocity of currents, and water discharge, p. 112-19; calculation of monthly water discharge, mean daily, also mean and extreme monthly water temperature; comparative curves of water and air temperature; data on run-off of material in suspension; results of chemical analyses of water samples. Bibliography (4 items). *Copy seen:* DLC.

7653. IANISHEVSKII, M. E. *Graptolity Novoi Zemli*. Leningrad, Izd-vo Glavnogo upravleniia Severnogo morskogo puti, 1935. 54 [2] p., illus., 5 plates.

(Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 25). *Title tr.:* Graptolites of Novaya-Zemlya.

A description of graptolites from the upper Silurian deposits of Novaya Zemlya collected by the Arctic Institute of U.S.S.R. Summary in English.

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7654. IANKOVICH, V. N. *K voprosu o techeniiaakh v more Laptevyykh*. (Severnyi morskoi put', 1937. No. 6, p. 81-85, map) *Title tr.:* On the question to the currents in the Laptev Sea.

Reports from several ships confirming the existence of currents as yet only partially studied.

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IANOSHEVSKAIA, R. K., see Piontkovskii, I. A., & R. K. Ianoshevskaiia. *Fizicheskie metody lecheniia*. 1944.

7655. IANOVSKII, V. K. *Akademik V. A. Obruchev i sovetskoe merzlotovedenie*. (Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy, 1944. T. 4, p. 5-9) *Title tr.:* Academician V. A. Obruchev and Soviet permafrostology.

Contains brief outline of the activity of V. A. Obruchev in the field of permafrostology, as organizer of the Commission (later Committee and finally the Obruchev Institute) of the Academy of Sciences in carrying out systematic investigation.

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7656. IANOVSKII, V. K. *Ekspeditiia na reku Pechoru po opredeleniiu iuzhnoi granitsy vechnoi merzloty*. (Akademiia nauk SSSR. Komissiiia po izucheniiu vechnoi merzloty. Trudy, 1933. T. 2, p. 65-149, 40 illus., map) *Title tr.:* Expedition to the Pechora River for the study of the southern limits of permafrost distribution.

Contains a geographical and economic description of the region (detailed map) which includes a series of ground cross sections and data on the flora and climate. Material on the occurrence of permafrost, ground temperature at various depths, temperature curves, and changes with the movement southward are given, as well as the influence of permafrost on the vegetative cover and specific forms of micro-relief (tables and charts). Considerable space is devoted to permafrost as a factor of soil formation, such

as the role of gravitational and supra-permafrost water, and to a mechanical analysis of soils, their chemical composition, etc. The last section discusses characteristics of this region from the engineering construction viewpoint, with examples of deformations caused by permafrost, formulas for the best mechanical composition of the ground for road construction (tables and charts).

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7657. IANOVSKII, V. K. K voprosu o metodakh issledovaniia vechnoi merzloty v tseliakh proektirovaniia inzhnerykh sooruzhenii. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologii i poleznye iskopaemye Severa SSSR. Trudy. T. 3, Vechnaia merzlota, 1936, p. 42-77, illus., diagr.) *Title tr.:* Contributions to the methods of studying permafrost for the purpose of proposed engineering constructions.

Contains (1) introduction on the importance of permafrost study for construction purposes; (2) preliminary investigations, examples of surveying an area with four terraces, method of mapping, types of features to be indicated; (3) final investigations, information on the active layer, structure of grounds, type and thickness of permafrost, ground waters, and physical and mechanical properties of grounds; (4) discussion of relative value of each feature for construction purposes (Tsyrovich formula), significance of physical and mechanical processes for construction purposes; formation of 'naled' and measures against them, methods of investigation in the field and in the laboratory (formulas and calculations). (5) Detailed permafrost survey, its scope and method, major features it must show, examples of surveying, methods used, difficulties involved, instruments recommended in drilling and sampling, methods of observation in pits and bore holes, moisture distribution in depth; (6) geophysical observations, their scope and method; (7) study of régime of supra-permafrost waters (with folding map of one area); (8) field study of the ground, method of calculation of moisture content; (9) analysis of field study; (10) conclusions.

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7658. IANSON, N. M. Na Shpitä-bergene. (Sovetskaiä Arktika, 1936, no. 8, p. 84-87, illus.) *Title tr.:* On Spitsbergen.

Report on the inspection of Barentsburg and its coal mines in 1936.

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IANUS, R. I., see Fersman, A. E., & others. Sulfidnye mestorozhdeniia Moncha-guby. 1932.

7659. IANVARSKII, A. Novye ledokoly "I. Stalin" i "L. Kaganovich". (Sovetskaiä Arktika, 1938, no. 7, p. 16-22, illus.) *Title tr.:* The new ice-breakers J. Stalin and L. Kaganovich.

Description of their accommodations, equipment, etc.

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7660. IANYGIN, I. R. K nizov'iam Leny. (Sovetskaiä Arktika, 1938, no. 2, p. 96-99, illus.) *Title tr.:* Toward the lower part of the Lena.

Account of a trip in a motorized sailboat down the Lena River, by a member of the Lena Expedition in 1937.

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7661. IARMOLENKO, ALEKSANDR VIKTOROVICH. O *Sequoia Langsdorffii* (Brongn.) Heer v sviazi s sistematiikoi tretichnykh i verkhnemelovykh khvoinykh. (Botanicheskii zhurnal, 1940. T. 25, no. 4-5, p. 349-58, illus.) *Title tr.:* On *Sequoia langsdorffii* (Brongn.) Heer in connection with the systematics of Tertiary and Upper Cretaceous conifers.

Contains Latin diagnoses of *Taxus similans* n. sp. from the Tertiary deposits of Spitsbergen and *Sequoia rosthornii* comb. nov., a fossil species from Greenland, with brief data on geographical and stratigraphical distribution. Summary in English.

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7662. IARMOLENKO, V. A. Paleogeograficheskie usloviia tretichnogo i chetvertichnogo periodov s svete gipotezy o peremeshchenii pol'usov. (Akademiia nauk SSSR. Botanicheskii institut. Materialy po istorii flory i rastitel'nosti SSSR, 1941. Vyp. 1, p. 375-98, maps) *Title tr.:* The paleogeographical conditions of the Tertiary and Quaternary in the light of the polar shift hypothesis.

Contains study of the influence of the displacement of the solar zones and the corresponding changes in the solar climate for paleogeography; special at-

tention is given to the elucidation of questions relating to the displacement of the limits of the arctic zone and illustrated by the extant paleobotanical and phytogeographical evidence. Summary in English. *Copy seen:* MH-A.

7663. ĬARVOI, M. I. Rastitel'nost' basseina r. Ĭany i Verkhoĭanskogo khrebt. (Sovetskaiā botanika, 1939. No. 1, p. 21-40, illus., tables) *Title tr.:* Vegetation of the basin of the Yana River and Verkhoyansk ridge.

Contains a brief physical and geographical survey of the region, and a general sketch of its vegetation; a study of typical plant associations, with list of plants and tabulated statistical data for various stands; based on the author's investigation of the region in 1935-36 as a member of the Complex Expedition of the People's Commissariat of Agriculture of the Yakut A.S.S.R. *Copy seen:* MH-A.

7664. ĬARZHINSKII, F. [O geografičeskom rasprostranenii nĕkotorykh ryb v Ledovitom okeanĕ]. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1871. T. 2, vyp. 1, p. vi-viii) *Title tr.:* On the geographic distribution of some fishes in Arctic Ocean.

Contains a preliminary report on the author's faunistic explorations during his trip on the corvette *Variag*, in 1870, from Kronstadt through the Baltic and North Sea, around Scandinavia, to the White Sea; with data on geographic distribution of some fishes in Murman coastal waters; also criticism of this report during the discussion following its presentation. *Copy seen:* MH-Z.

7665. ĬARZHINSKII, F. Praemissus catalogus Crustaceorum amphipodum, inventorum in mari albo et in mari glaciali ad litus murmanicum (Murmanskii bereg) anno 1869 et 1870. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1870. T. 1, vyp. 2, p. 315-16) *Title tr.:* Preliminary catalog on amphipodous Crustacea found in 1869 and 1870, in the White Sea and in the Arctic Ocean on the Murman coast (Murmanskii bereg).

Contains a systematic list of fifty species (four new, undescribed) of amphipodous crustaceans (division Amphipoda) found by the author, in 1869-70. *Copy seen:* MH-Z.

7666. ĬARZHINSKII, F. Praemissus catalogus Crustaceorum decapodum, in-

ventorum in mari albi et in mari glaciali ad litus murmanicum anno 1869 et 1870. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1870. T. 1, vyp. 2, p. 317) *Title tr.:* Preliminary catalog of decapodous Crustacea collected in White Sea and Arctic Ocean along the Murman coast, in 1869 and 1870.

Contains a systematic list of fifteen species of crustaceans (Decapoda) collected by the author.

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7667. ĬARZHINSKII, F. Praemissus catalogus Echinodermatum, inventorum in mari albo et in mari glaciali ad litus murmanicum anno 1869 et 1870. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1870. T. 1, vyp. 2, p. 318-19) *Title tr.:* Preliminary catalog of Echinodermata, collected, in 1869 and 1870, in the White Sea and Arctic Ocean along the Murman coast.

Contains a systematic catalog of forty-six (including one new, undescribed) species of echinoderms.

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7668. ĬARZHINSKII, F. Praemissus catalogus Pycnogonidarum, inventorum in mari glaciali ad oras Lapponiae rossicae et in mari albo, anno 1869 et 1870. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1870. T. 1, vyp. 2, p. 319-20) *Title tr.:* Preliminary catalog of Pycnogonida collected, in 1869 and 1870 in the Arctic Ocean near the coast of Russian Lapland, and in the White Sea.

Contains a systematic list of sea spiders (Pycnogonida) collected in the coastal waters of the Barents and White Seas, including Latin description of *Colossendeis* n. gen and *C. borealis* n. sp. found in the waters around Gavrilov Islands and Rybachiy Peninsula, Murman coast. *Copy seen:* MH-Z.

ĬARZYNSKY, TH., see ĬARZHINSKII, F.

7669. ĬASHCHENKO, ALEKSANDR LEONIDOVICH. Katalog kollektsii Zoologicheskago kabineta S.-Petersburgskago universiteta. I. Pisces. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1895. T. 25, vyp. 2, p. 59-99) *Title tr.:* Catalog of collections of the Zoological Cabinet of St. Petersburg University. I. Fishes.

Contains a systematic enumeration of over seven hundred species of fishes

with name of collector, place, date of find and the number of specimens. Includes some arctic species mostly from Arkhangelsk region, Kola Peninsula and Novaya Zemlya and (marine species) from the Arctic Ocean, Barents Sea and White Sea.

Copy seen: MH-Z.

7670. IASHCHENKO, ALEKSANDR LEONIDOVICH. Otchet o poezdke v russkuiu Laplandiu letom 1887 goda. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1888. T. 19, Otdelenie zoologii i fiziologii, p. 112-17) **Title tr.:** Report on a trip to Russian Lapland in the summer of 1887.

Contains a general account of a trip to the Murman coast, in the summer of 1887, dealing mostly with ornithological fauna of Kola Peninsula, with brief data on some mammals and fishes.

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7671. IASHNOV, V. A. Radiolarii; (2) Gubki; (3) Gidroidnye meduzy, Sifonofory, Stsifomeduzy, Korallovye polipy; (4) Grebneviky; (5) Chervi: Nemertiny, Kolovratki; (6) Chlenistologie: Rakoobraznye; (7) Krylonogie molliuski; (8) Shchetinkocheljustnye; (9) Appendikularii. (In: Gaevskaya-Sokolova, N. S., and others. Opredelitel' fauny i flory, 1948. p. 20-24, plate 5; (2) p. 35-46, illus., plates 11-13; (3) p. 65-86, plates 18-24; (4) p. 86-88, plate 25; (5) p. 89-93, plates 26-27; (6) p. 175-344, illus., plates 41-91; (7) p. 402, plate 102; (8) p. 463-64, illus.; (9) p. 513-14, plates 122, 125) **Title tr.:** Radiolarians; (2) Sponges; (3) Hydromedusae, Siphonophora, Scyphozoa, Anthozoa; (4) Ctenophorans; (5) Worms: Nemertini-Rotatoria; (6) Arthropods: Crustaceans; (7) Pteropods; (8) Chaetognaths; (9) Appendicularia.

Contains keys for the identification of families, genera and species of marine animals listed in the title, and data on their taxonomy, morphology, biology and geographic distribution in various arctic seas along the northern coast of European and Asiatic U.S.S.R.

Copy seen: DLC; MH-Z.

7672. IASHNOV, V. A. Crustacea Novoï Zemli (Morskoï nauchnyi institut. Trudy, 1925. T. 1, vyp. 12, p. 49-76, illus.) **Title tr.:** Crustaceans of Novaya Zemlya.

Taxonomic list (with localities and distribution noted) of fresh-water crustaceans collected in lakes, lagoons, and pools on Novaya Zemlya by Marine Scientific Institute expeditions in its research vessel *Persei*, 1923 and 1924; with some discussion on the origin and biology of the species. Summary in German.

Copy seen: DF.

7673. IASHNOV, V. A. Plankticheskaya produktivnost' yugo-zapadnoi chasti Barentsova moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 201-224, tables, diags. (1 fold.)) **Title tr.:** Plankton productivity of the southwestern part of the Barents Sea.

A study of the Institute of Marine Fisheries and Oceanography of the U.S.S.R., containing information on the methods of work and data on the seasonal variations in the plankton composition. Summary in English.

Copy seen: DLC.

7674. IASHNOV, V. A. Smena pokolenii i sezonnye izmeneniia v raspredelenii vozrastnykh stadii *Calanus finmarchicus* Barentsova moria. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 225-44, diags.) **Title tr.:** Reproduction and seasonal variations in the distribution of different stages of *Calanus finmarchicus* of the Barents Sea.

A study of the most characteristic plankton form of the Barents Sea, with graphic illustrations on seasonal and geographic distribution within the region. Summary in English.

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7675. IASHNOV, V. A. Zooplankton Karskogo moria. (Morskoï nauchnyi institut. Trudy, 1927. T. 2, vyp. 2, p. 1-59, illus. (incl. maps)) **Title tr.:** Zooplankton of the Kara Sea.

Contains a systematic list with notes (including one new species fully described) of the plankton fauna collected by the Expedition of the Marine Scientific Institute, 1921, in the ice-breaker *Malygin* and by I. D. Strel'nikov from the survey ship *Taimyr*, 1920; with a discussion of plankton distribution within the region and its causes. Summary in German.

Copy seen: DF.

IASHNOV, V. A., *see also* Morskoi nauchnyi institut. Otechety nachal'nikov 9-17 ékspeditšii. 1930.

IASHUMOVA, E. P., *see* Poplavskaiâ, G. I., & others. Materialy po izucheniiu ékologii arkticheskikh rastenii. 1939.

IÁSTREBOV, K. A., *see* Danilov, D. N., & others. Dobycha pushnykh zverei. 1947.

7676. IÁSTREBOVA, L. A. Khlorofill v morskikh osadkakh. (Moskva. Vsesoiúznii nauchno-issledovatel'skii institut morskogo rybnogo khozáistva i okeanografii. Trudy, 1938. T. 5, p. 189-224, tables, diags.) *Title tr.:* Chlorophyll in marine sediments.

A study of chlorophyll content in bottom sediments and its relation to the organic masses of the ocean; contains also data on Barents Sea and Kola Bay, with list of stations, their depths, and note of bottom sediments. Summary in German.

Copy seen: DLC.

IÁSTREBOVA, L. A., *see also* Klenova, M. V., & L. A. IÁstrebova. Khlorofill v osadkakh. 1938.

7677. IÁSTREMSKII, S. V. Grammatika íakutskogo íazyka. Moskva, Gosudarstvennoe uchebno-pedagogicheskoe izdvo NKP RSFSR, 1938. 228 p. *Title tr.:* A grammar of the Yakut language.

Contains a detailed grammatical treatment of the Yakut language in the sections: (a) phonetics, (b) morphology, (c) syntax, (d) verbal nouns, (e) gerunds.

Copy seen: NN.

7678. IÁSTREMSKII, S. V. Obrázty narodnoi literatury íakutov. Leningrad, 1929. 3 p. l., ii, iv, 226 p. (Akademiâ nauk SSSR. Komissiiâ po izucheniiu íakutskoi Ávtonomnoi Sovetskoi Soúzialisticheskoi Respubliki. Trudy. T. 7) *Title tr.:* Samples of Yakut folklore.

A collection of Yakut folk tales, songs, riddles and proverbs, translated into Russian.

Supplement: Remains of ancient beliefs of the Yakuts (p. 193-218). Summary in German.

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IÁTSÍUK, N. V., *see also* Volkov, S. N., & N. V. IÁtsíuk. Geologicheskii ocherk Poliárного Urala. 1937.

IÁTSÍUK, N. V., *see also* Volkov, S. N., & N. V. IÁtsíuk. Geologicheskii ocherk Timana. 1937.

7679. IÁTSÍUK, P. A. Dinamika pochvennykh protsessov pod vliáníem priemov mul'chirovaniâ na Kráinem Severe. (Khibiny). (Leningrad. Universitet. Uchenye zapiski, 1935. T. 1, Seriiâ geologo-pochvenno-geograficheskaiâ, vyp. 1, p. 169-90, tables) *Title tr.:* Soil processes under the influence of mulching in the extreme North (Khibina Tundras).

A discussion of improvements in agricultural production resulting from mulching the cultivated ground, the influence of mulching on the chemical composition of soils, and analyses of the soils.

Copy seen: DLC.

7680. IBSEN, POUL HERMANN, 1881- , and P. P. SVEISTRUP. Den erhvervsmaessige udvikling i Julianehaab distrikt, 1899-1939. København, C. A. Reitzel, 1942. 63, [1] p. incl. illus. (incl. diags.) tables. fold. map. (Meddelelser om Grønland. Bd. 131, nr. 7) *Title tr.:* The development of means of livelihood in the Julianehaab District, 1899-1939.

The authors show through statistics the increase in population, materials and equipment for sealing, production of skins of various animals, results of whale and bird hunting, of shark, cod and halibut fisheries, etc.; economic yield per Eskimo family, meat, liver and blubber production, and hides of domestic animals, European products consumed, community store sales and products of Greenland. Includes comments on fluctuations in fish and seal catch, and tables of statistics.

Copy seen: NN.

7681. IDEL'SON, M. S. K poznaniu fauny kolovratok vodoemov Novoi Zemli. (Morskoi nauchnyi institut. Trudy, 1925. T. 1, vyp. 12, p. 77-99, illus.) *Title tr.:* Contributions to the knowledge of fresh-water rotifers on Novaya Zemlya.

Annotated list of sixty-three species of rotifers taken in lakes, lagoons, and pools on Novaya Zemlya during the expeditions of the Marine Scientific Institute with the ice-breaker *Malygin* in 1921 and the institute's research vessel *Persei*, 1923 and 1924. Summary in German.

Copy seen: DF.

7682. IDEL'SON, M. S. Materialy po kolichestvennomu uchetu donnoi fauny Shpitsbergenskoí banki (Barentsov more). (Morskoi nauchnyi institut.

Trudy, 1930. T. 4, vyp. 3, p. 25-46, diags.) *Title tr.*: A preliminary quantitative evaluation of the bottom fauna of the Spitzbergen Bank.

Results of bottom fauna studies made in Svalbard waters, Barents Sea, from the Marine Scientific Institute's research vessel *Persei*, 1926. Summary in English. *Copy seen*: DF.

IDEL'SON, M. S., *see also* Zenkevich, L. A., & others. Materials for study of productivity. 1928.

7683. IDEN-ZELLER, OSKAR. Ethnographische Beobachtungen bei den Tschuktschen. (Zeitschrift für Ethnologie, Berlin, 1911. Bd. 43, p. 840-56) *Title tr.*: Ethnographic observations among the Chukchis.

Ethnographic notes on the Chukchis based upon a four-month visit by Iden-Zeller via the overland route from Verkhoyansk. Includes detailed description of reindeer complex, clothing, travel, houses, domestic life, and mortality customs. *Copy seen*: DLC.

IDRAC, PIERRE, *see* Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1925. 1926.

7684. IFFT, GEORGE NICOLAS. The changing Arctic. (U. S. Weather Bureau. Monthly weather review, Nov. 1922. v. 50, p. 589)

Note based on report of a Norwegian expedition in 1922 under Adolf Hoel: the recession of glaciers and certain phenological observations on Bear Island and West Spitsbergen are evidences of the "warming up" process in the Arctic since 1918.

Copy seen: DLC.

7685. IFFT, GEORGE NICOLAS. Polar ice-drift and sun spots. (U. S. Weather Bureau. Monthly weather review, Dec. 1922. v. 50, p. 631)

Note on views of Adolf Hoel on drift of the *Maud*, *Jeannette*, and other vessels, and the theory of fixed period change in polar ice drift.

Copy seen: DLC.

7686. IGARKA V TSIFRAKH. (Sovetskaya Arktika, 1935, no. 3, p. 24; also 1936, no. 6, p. 70) *Title tr.*: Igarka in figures.

Copy seen: DLC.

IGAVA, L., *see* Hultén, E. List of plants from Chukch-Pen. 1925.

7687. IGNATEV, V. Vechnaia merzlota na Kol'skom poluostrove. (Priroda, 1933, no. 2, p. 58) *Title tr.*: Permafrost in Kola Peninsula.

Contains short note on results of investigations at Lake Lovozero on Kola Peninsula where permafrost was found at a depth of 1.20-1.80 m. Permafrost has an island character of distribution here and was present only in 20 out of 900 pits. *Copy seen*: DLC.

7688. IGOSHINA, KAPITOLINA NIKOLAEVNA, 1894-. Pastbishchnye korma i kormovye sezony v olenevodstve Priural'ia. (Sovetskoe olenevodstvo, 1937. Vyp. 10, p. 125-95, tables, diags.) *Title tr.*: The pasture foods and food seasons of the reindeer-husbandry of Pri-Ural district.

A study of vegetation in the northern Cis-Ural region from the point of view of reindeer grazing containing descriptions of some plants, a list of one hundred and forty-six plant species and seasonal characteristics of pastures. Bibliography, p. 193.

Copy seen: DLC.

7689. IGOSHINA, KAPITOLINA NIKOLAEVNA, 1894-. Rost kormovyykh iagelei na priural'skom severe. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 4, p. 7-29) *Title tr.*: The growth of forage lichens on the Ural North.

Experiments for reindeer pasturage conducted in 1932-34 in the Cis-Ural Mountains and the forest tundra of the Yamal district. Summary in English.

Copy seen: DLC.

7690. IGOSHINA, KAPITOLINA NIKOLAEVNA, 1894-. Soderzhimoe rubtsha olenia v snezhnyi period goda. (Sovetskoe olenevodstvo, 1936. Vyp. 6, p. 63-72, tables) *Title tr.*: Contents of the rumen of reindeer in the snow period of the year.

Copy seen: CaOA; DF.

7691. IGOSHINA, KAPITOLINA NIKOLAEVNA, 1894-, and E. F. FLOROVSKAYA. Ispol'zovanie pastbishch i vypas olenei na pripoliarnom Urale. (V Saranpaul'skom olenevodcheskom sovkhoe). Leningrad, Izd-vo Glavsevmorputi, 1939. 160, [4] p. illus., tables, fold. diags.) (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i

promyslovogo khoz'âistva. Trudy. Ser. Olenevodstvo, 1939. Vyp. 8) **Title tr.:** Utilization of pastures and pasturage of reindeer in the subarctic Ural-Mountains (of the state reindeer farm of Saranpaul).

Results of a study conducted (in the region of 64°N. 61°E.) for the Leningrad Institute of Polar Agriculture, Animal Husbandry, Fishing and Hunting Industry in the years 1936-37. Summary in English, p. 160-62.

Copy seen: DLC.

IGOSHINA, KAPITOLINA NIKOLAEVNA, 1894-, see also Andreev, V. N., & others. Olen'i pastbishcha Pol'arnogo Priural'â. 1935.

IKEDA, K., see Ogaki, K., & K. Ikeda. On results observ. currents & temperatures. 1934.

7692. ILIEN, GÖSTA. *Ranunculus nivalis* L. x *pygmaeus* Wg. och dess former. (Botaniska notiser, 1937, häfte 3-4, p. 231-37, illus.) **Title tr.:** *Ranunculus nivalis* L. x *pygmaeus* Wg. and its forms.

Contains historical notes on *Ranunculus nivalis* x *pygmaeus*, a hybrid native to Torne Lappmark, Sweden, and Finnmark, Norway, with critical notes on its three forms—*intermedia*, *subpygmaeus* and *subnivalis*—all native to Swedish Lapland. **Copy seen:** MH-A.

7693. IL'IN, L. M. Postroika zhel.-dor. vetvi Murmanskâiâ magistral'—Khibinskie rudniki. (In: Khibinskie apatity, 1932. T. 2, p. 220-25, illus., map, diagrs.) **Title tr.:** Construction of a branch line from the Murmansk railroad to the Khibina mines.

Detailed description of the locality through which the track runs between Apatite Station on the Murmansk railroad and Nefeline Station at the mines. A diagram shows the longitudinal section of the branch line.

Copy seen: DLC.

7694. IL'IN, M. D. Khimicheskiî sostav novozemel'skogo gol'tsa (*Salvelinus alpinus* L.). (Leningrad. Vsesoiûznyî arkticheskii institut. Trudy, 1935. T. 17, p. 107-114, tables) **Title tr.:** Chemical composition of the char of Novaya Zemlya.

A chemical analysis of the meat taken from four specimens of this fish. Summary in English.

Copy seen: DLC.

7695. IL'IN, MODEST MIKHAILOVICH, 1889-. Novye vidy roda *Corispermum* L. (Leningrad. Glavnyi botanicheskii sad. Izvestiâ, 1929. T. 28, vyp. 5-6, p. 637-54) **Title tr.:** New species of the genus *Corispermum* L.

Contains Latin diagnoses of twenty-one new species of *Corispermum* L., a genus of grasses, including *C. algidum*, native to the Arkhangelsk region and Shigansk, on the lower Lena River.

Copy seen: MH-A.

7696. IL'IN, MODEST MIKHAILOVICH, 1889-. O *Lycopodium pungens* La Pylaie. (Leningrad. Glavnyi botanicheskii sad. Izvestiâ, 1923. T. 22, vyp. 2, p. 142-45) **Title tr.:** On the *Lycopodium pungens* La Pylaie.

Contains a systematic study of *Lycopodium pungens*, a circumpolar species of club mosses, vicarious in the tundra of Europe, Asia and America to *L. annotinum*, with synonymy, Latin diagnosis and comparison of both species. Summary in English.

Copy seen: MH-A.

7697. IL'IN, MODEST MIKHAILOVICH, 1889-. Russkie arniki. (Akademiiâ nauk SSSR. Botanicheskii muzei. Trudy, 1926. Vyp. 19, p. 107-120, illus. (incl. map)) **Title tr.:** Russian arnicas.

Contains a critical revision of Russian species of *Arnica*, a genus of asters, with a key to the species, synonymy and data on distribution; includes two species occurring in all arctic regions of the U.S.S.R. and two others—*A. lessingii* and *A. unalaschcensis*, native to Kamchatka Peninsula and Commander Islands respectively.

Copy seen: MH-A.

IL'IN, MODEST MIKHAILOVICH, 1889-, see also Krashenninnikov, I. M., & M. M. Il'in. *Aster* (*Rhinactina*) novopokrovskii. 1924.

7698. IL'IN, V. I. A. Pîasinskâiâ gidrologicheskâiâ èkspeditsiâ 1936-37 goda. (Problemy Arktiki, 1938, no. 1, p. 98-99) **Title tr.:** Pyasina River Hydrological Expedition, 1936-37.

Information on this expedition of the Arctic Institute U.S.S.R. under the author's leadership. **Copy seen:** DLC.

7699. IL'INSKII, ALEKSEI PORFIR'EVICH, 1888-1945. Ekologo-morfologicheskie ètûdy. (Botanicheskii zhurnal,

1921. T. 6, p. 49-55, illus.) *Title tr.*: Ecological morphological sketches.

Contains an ecological and morphological study of a species of star-flowers, *Trientalis europaea* L. and descriptions of two new forms *T. europaea arcticaeformis*, native to the Turukhansk region, and *T. europaea* var. (morpha) n. *ramosa*, occurring in Kainin Peninsula, Arkhangel'sk region.

Copy seen: CU.

7700. IL'INSKII, ALEKSEI PORFIR'EVICH, 1888-1945. O vegetativnom razmnzhenii i filogenii nekotorykh *Cardamine*. (Leningrad. Glavnyi botanicheskiĭ sad. Izvestiia, 1926. T. 25, vyp. 4, p. 363-72, illus., text map) *Title tr.*: On vegetative reproduction and phylogenie [sic] of some species of *Cardamine*.

Contains a comparative morphological study of two often confounded species of herbs, called meadow cress, *Cardamine pratensis* and *C. dentata*, both occurring in the arctic regions of Scandinavia, U.S.S.R. and Alaska, with data on their evolution and distribution. Summary in English.

Copy seen: MH-A.

7701. ILLINGWORTH, FRANK. Canada moves north. (Political quarterly, Oct.-Dec. 1948. v. 19, p. 363-67)

Survey of industrial, scientific, and military development, exploration and communication in northern Canada since World War II. *Copy seen*: DLC.

7702. ILLINGWORTH, FRANK. Canada's arctic aviation. (Contemporary review, Apr. 1949. v. 175, p. 238-41)

General remarks on the wide range of activities and area serviced by airplanes in the development of the Canadian Arctic. *Copy seen*: DLC.

7703. ILLINGWORTH, FRANK. Life in Spitsbergen. (Geographical magazine, Jan. 1949. v. 21, p. 353-60, illus.)

Report of a visit to Longyearbyen on Advent Bay, describing the Norwegian and (in less detail) the Russian coal mining communities, and the restoration of the Norwegian mines following World War II.

Copy seen: DLC.

ILLINOIS, UNIVERSITY. ZOOLOGICAL LABORATORY, see Shelford, V. E., & A. C. Twomey. Tundra animal communities Churchill. 1941.

7704. IMLER, RALPH HYSEL, 1906-, and H. R. SARBER. Harbor seals and sea lions in Alaska. Washington, 1947. 23 p. illus. (U. S. Fish and Wildlife Service. Special scientific report no. 28)

Report on investigation of distribution, abundance, depredations on fisheries, utilization and stomach analyses of the two animals, with notes on hunting and control of seals in the Gulf of Alaska. *Copy seen*: DF; DGS.

7705. IMMLER, W. Zur Zeichnung der Azimutgleiche in der Polarkappe. (Arktis, 1931. Jahrg. 4, p. 67-71, diagrs.) *Title tr.*: Indicating azimuthal lines on the polar cap.

Copy seen: DLC; NNSf.

7706. THE IMPRACTICABILITY OF A NORTH-WEST PASSAGE FOR SHIPS, IMPARTIALLY CONSIDERED. London, Printed by A. J. Valpy, 1824. iv, 182 p.

The anonymous author, "a sea-faring man", quotes freely from the northern explorers of the day, and discusses in some detail the ice and navigational conditions which he presumes to exist in the seas of arctic North America. *Copy seen*: CaOAr.

INDIAN RIGHTS ASSOCIATION, see Sniffen, M. K., & T. S. Carrington. Indians of Yukon & Tanana valleys. 1914.

INDREBØ, GUSTAV LUDVIG, 1889-, see Christie, W. F. K. Norsk dialektlexicon og nokre folkeminne. 1938.

7707. INDUSTRIAL CANADA. The new Quebec and Labrador iron ore project. (Industrial Canada, Jan. 1949. v. 49, no. 9, p. 74-75, illus.)

General information on transportation and development of the iron ore field located near 55°N. 67°W.

Copy seen: DP.

7708. INFANT'EV, P. P. Puteshestvie v stranu vogulov. Sankt Peterburg, Izd-vo N. V. El'manova, 1910. 200 p., 25 illus. *Title tr.*: A journey to the land of the Voguls.

Contains a general account of a trip to the Konda River (left tributary of the Ob at 60°42'N. 69°45'E.) region; the Voguls, their occupations, social organization, marriage, mortuary customs, religion, native medicine and at-

titude toward neighbors. Some data on the Ostyaks is given also.

Copy seen: NN.

7709. INFANTRY JOURNAL. War in snow and extreme cold, part 1-3. A condensation of Field manual 31-15. (Infantry journal, July-Sept. 1942. v. 51, no. 1, p. 32-45; no. 2, p. 60-66; no. 3, p. 54-61, illus.)

General introductory notes, and specific information on food, clothing, shelter, frostbite, exhaustion, carbon monoxide poisoning, general conduct in extreme cold, rail and animal transportation, sleds, motors, aerial supply, skis, snowshoes, packs, marches, camping, obstacles, camouflage, care of weapons, supply and evacuation, sanitation and first aid; infantry, cavalry, artillery, tanks, engineers, signal corps, and chemical warfare conduct; and snowhouse building. Based on U. S. War Dept. *Operations in snow and extreme cold*, 1941, q.v.

Copy seen: DLC.

7710. INGEBRIGTSEN, ANDR. Whales caught in the North Atlantic and other seas. (International Council for the Study of the Sea. *Rapports et procès-verbaux*, 1929. v. 56, no. 2, p. 1-26)

Contains notes which include the humpback, finback, blue- and sei-whale in the waters of northern Norway, Bear Island and Spitsbergen, 1896-1908; including catches (by one whaler), migrations and seasons. Concludes with remarks on the abandonment of whaling in these waters, about 1912.

Copy seen: DF.

7711. INGERSOLL, ERNEST, 1852-, editor. Alaskan bird-life as depicted by many writers. New York, National Association of Audubon Societies, 1914. 72 p. illus., 13 plates.

General sketch of the subject for use in schools and the general reader.

Copy seen: DSI-M.

7712. INGERSOLL, ERNEST, 1852-. Golden Alaska; a complete account to date of the Yukon valley; its history, geography, mineral and other resources, opportunities and means of access. Chicago and New York, Rand, McNally & Co., 1897. v. [4], 8-160 p. incl. illus., plates, maps. front., fold. map. Also issued in an edition of 149 p., without medical section.

Contains brief, but useful, informa-

tion on routes to the Klondike, including the Yukon River; description of the upper Yukon River, the Klondike, the mining methods and laws and outfit required; notes on climate, agriculture and health, with a brief chapter of medical advice, including a list of drugs, by Dr. A. P. O'Brien.

Copy seen: DLC (149 p.); NNStef (160 p.)

7713. INGERSOLL, ERNEST, 1852-, and H. W. ELLIOTT. In richest Alaska and the gold fields of the Klondike; how they were found . . . together with a history of this wonderful land from its discovery to the present day . . . and practical information for gold seekers. Chicago, Dominion Co., [1897] xiv, [2], 15-487 p. incl. plates. front., fold. map. Another edition (xiv, [2], 15-512 p. incl. 32 plates. front.) apparently published about the same time.

Contains information on routes, the conditions in the Klondike, prospector's outfit, history of Alaska, mining in other parts of Alaska, the natives, fur seal islands, reindeer, climate, and scenery.

Copy seen: DLC (487 p.); NNStef (512 p.)

7714. INGIREV, Z. Tvorcheskii put' V. A. Obrucheva. Moskva, Gos. izd-vo geol. lit-ry, 1948. 95 p. ports. *Title tr.*: Creative path of V. A. Obruchev.

Contains sketch of the life and work of a leading Russian geologist and explorer Vladimir Afanas'evich Obruchev, b. 1863. Includes (p. 84-91) an account of the organization of special bodies to study permafrost, under Obruchev's direction.

Copy seen: DLC.

7715. INGLEFIELD, Sir EDWARD AUGUSTUS, 1820-1894. Report on the return of the *Isabel* from the arctic regions. (Royal Geographical Society. *Journal*, 1853. v. 23, p. 136-45, fold. map)

Contains an account of the voyage in 1852 of the Franklin search vessel equipped by Lady Franklin; the trip from Upernavik, northward into Smith Sound, the discovery of Inglefield Gulf and continuation of the voyage north as far as Cape Alexander, and the return by way of Jones and Lancaster Sounds.

Copy seen: DLC.

7716. INGLESFIELD, Sir EDWARD AUGUSTUS, 1820-1894, and others. A summer search for Sir John Franklin; with a peep into the polar basin. By Commander E. A. Inglesfield, R. N. With short notices by Professor Dickie, on the botany, and by Dr. Sutherland, on the meteorology and geology. London, T. Harrison, 1853. xxi, 232 p. front., 3 plates (1 fold.) fold. map.

Narrative of the voyage of Lady Franklin's ship *Isabel* under the author's command, as an independent provision transport, cooperating with the British government's Franklin search squadron. Describes the voyage July-Nov. 1852 through Davis Strait to Disko, thence northward through Melville Bay and Smith Sound to latitude 79°20'N., discovering Inglesfield Gulf; the return voyage, in and out of Jones Sound, through Lancaster Sound and Barrow Strait to Beechey Island, and thence home to England. Includes descriptions of the ice conditions of the sea, the new shores mapped, the Eskimos encountered, and the weather.

Appendices: DICKIE, G. Notes on flowering plants and Algae.

SUTHERLAND, P. C. A few remarks on the physical geography, &c., of Davis Straits, and its east and west shores.

SUTHERLAND, P. C. Meteorology. Abstracts of the three-hourly meteorological register kept . . . in the North Atlantic, Davis Straits and Baffin Bay, July to November, 1852.

Proceedings of Commander E. A. Inglesfield (correspondence with the British Admiralty, etc.)

Papers by Dickie and Sutherland appear in this Bibliography under the author's names. *Copy seen:* DLC.

INGLESFIELD, Sir EDWARD AUGUSTUS, 1820-1894, see also Heer, O. On Miocene flora North Greenland. 1867.

INGLESFIELD, Sir EDWARD AUGUSTUS, 1820-1894, see also Heer, O. Ueber d. versteinigerten Wald Nordgrönland. 1866.

7717. INGOLF-EXPEDITION, 1895-1896. [Reports] Copenhagen, B. Luno, 1898-1947. 6 v. illus., plates, maps, diags.

Results of the expedition in Iceland and Greenland waters, led by Captain C. F. Wandel, under auspices of the

Danish Ministry of Public Instruction, in the Danish cruiser *Ingolf*, published (in Danish and English) at government expense under direction of the Zoological Museum of the University of Copenhagen.

For the narrative and further details of the equipment and voyage, see Wandel, C. F. *Report of the voyage*, 1899.

Contents: v. 1, pt. 1 (pub. 1899). 1. WANDEL, C. F. Report of the voyage. 2. KNUDSEN, M. Hydrography.

Pt. 2 (pub. 1900). 3. BÖGGILD, O. B. The deposits of the sea-bottom. 4. WANDEL, C. F. Current-bottles.

Vol. 2, pt. 1 (pub. 1898). LÜTKEN, CHR. The ichthyological results.

Pt. 2 (pub. 1899). JUNGENSEN, H. F. E. On the appendices genitales in the Greenland shark (etc.)

Pt. 3 (pub. 1900). BERGH, R. Nudibranchiate Gasteropoda.

Pt. 4 (pub. 1904). JENSEN, A. S. The North European and Greenland Lycodinae.

Pt. 5 (pub. 1912). JENSEN, A. S. Lamellibranchiata.

Pt. 6-7 (pub. 1923-24). HARTMEYER, R. Ascidiacea, pt. I-II.

Vol. 3, pt. 1 (pub. 1899). MEINERT, F. Pycnogonidae.

Pt. 2-3 (pub. 1908-13). HANSEN, H. J. Crustacea Malacostraca, I-II.

Pt. 4 (pub. 1915). WITH, C. Copepoda, I. Calanoida.

Pt. 5-6 (pub. 1916-20). HANSEN, H. J. Crustacea Malacostraca, III-IV.

Pt. 7 (pub. 1923). HANSEN, H. J. Crustacea Copepoda, II.

Pt. 8-9 (pub. 1923-25). STEPHENSEN, K. Crustacea Malacostraca, V-VI.

Pt. 10 (pub. 1928). BOSCHMA, H. Rhizocephala. (of the North Atlantic region).

Pt. 11 (pub. 1931). STEPHENSEN, K. Crustacea Malacostraca, VII.

Pt. 12 (pub. 1935). STEPHENSEN, K. Two crustaceans (etc.) endoparasitic in ophiurids.

Pt. 13 (pub. 1944). STEPHENSEN, K. Crustacea Malacostraca, VIII: Amphipoda, IV.

Vol. 4, pt. 1-2 (pub. 1903-1907). MORTENSEN, TH. Echinoidea, pt. I-II.

Pt. 3 (pub. 1914). RITTER-ZAHONY, R. Chaetognaths.

Pt. 4 (pub. 1917). DITLEVSEN, H. Annelids, I.

Pt. 5 (pub. 1923). CLARK, A. H. Crinoidea.

Pt. 6 (pub. 1926). DITLEVSEN, H. Free-living nematodes.

Pt. 7 (pub. 1930). WESENBURG-LUND, E. Priapulidae and Sipunculidae.

Pt. 8 (pub. 1933). MORTENSEN, TH. Ophiuroidea.

Pt. 9 (pub. 1935). HEDING, S. G. Holothurioidea.

Pt. 10 (pub. 1935). LIEBERKIND, I. Asteroidea, pt. I.

Pt. 11 (pub. 1935). WESENBURG-LUND, E. Tomopteridae and Typhlosolecidae.

Pt. 12 (pub. 1941). WESENBURG-LUND, E. Brachiopoda.

Pt. 13 (pub. 1942). HEDING, S. G. Holothurioidea, pt. II.

Vol. 5, pt. 1 (pub. 1904). JUNGENSEN, H. F. E. Pennatulida.

Pt. 2 (pub. 1912). MORTENSEN, T. Ctenophora.

Pt. 3 (pub. 1912). CARLGREN, O. Ceriantharia.

Pt. 4 (pub. 1913). CARLGREN, O. Zoantharia.

Pt. 5 (pub. 1914). BROCH, H. Stylosteroidea.

Pt. 6-7 (pub. 1916-18). BROCH, H. Hydroida, pt. I-II.

Pt. 8 (pub. 1919). KRAMP, P. L. Medusae, pt. I. Leptomedusae.

Pt. 9 (pub. 1921). CARLGREN, O. Actiniaria, pt. I.

Pt. 10 (pub. 1926). KRAMP, P. L. Medusae, pt. II. Anthomedusae.

Pt. 11 (pub. 1927). JUNGENSEN, H. F. E. Anthomastus.

Pt. 12 (pub. 1942). CARLGREN, O. Actiniaria, pt. II.

Pt. 13 (pub. 1944). MADSEN, F. J. Octocorallia (Stolonifera, etc.)

Pt. 14 (pub. 1947). KRAMP, P. L. Medusae, pt. III. Trachylina and Scyphozoa.

Vol. 6, pt. 1-3 (pub. 1902-10). LUNDBECK, W. Porifera, pt. I-III.

Pt. 4 (pub. 1928). BURTON, M. Hexactinellida.

Each of these papers appears in this Bibliography under its author's name.

File Seen: DSI-M (lacks v. 5, pt. 12 and 13); MH-Z.

INGRAM, MERVYN JEFFRY, *see* Dalgety, C. T., & others. Notes on birds Spitsbergen. 1931.

7718. INGSTAD, HELGE MARCUS, 1899-. *Arktisk Kultur*. (Polar-Årboken, 1936. p. 5-16, illus.) *Title tr.*: Arctic culture.

Discusses the qualities most necessary for the survival of men in the Arctic; notes on hygiene, personal manners and hospitality, etc., observed during the author's travels in northern Canada. **Copy seen:** NN; NNA.

7719. INGSTAD, HELGE MARCUS, 1899-. East of the great glacier, by Helge Ingstad; translated from the Norwegian by Eugene Gay-Tiff; with a foreword by Vilhjalmur Stefansson. New York, London, A. A. Knopf, 1937. 3 p. l., v-xvi, 269, [3] p. illus. (maps) plates, ports. English translation of the author's *Øst for den store bre*, 1935, q.v. **Copy seen:** DLC.

7720. INGSTAD, HELGE MARCUS, 1899-. Land of feast and famine. London, V. Gollancz, Ltd., 1933. 352 p. front., illus. (incl. music), 24 plates, ports.

London printed edition of the item above with illustrations changed.

Copy seen: DLC.

7721. INGSTAD, HELGE MARCUS, 1899-. The land of feast and famine, by Helge Ingstad. Translated from the Norwegian for the first time by Eugene Gay-Tiff. New York, A. A. Knopf, 1933. 7 p. l., 3-332 p., 1 l. 61 illus. (incl. music) on 16 plates, fold. map.

Translation of the author's *Pelsjegerliv blandt nord-kanadas indianere*, 1931, q.v. with some change in illustrations, etc. **Copy seen:** DLC.

7722. INGSTAD, HELGE MARCUS, 1899-. Landet med de kalde kyster. Oslo, Gyldendal, 1948. 422 p., plates, maps (incl. 2 fold.) *Title tr.*: The land with the frigid coasts.

Comprehensive survey for general readers, of development and conditions in the Svalbard archipelago, particularly West Spitsbergen, in historic and modern times. Based on data collected during the author's official stays in Svalbard, 1933-35, 1947.

Contains a brief description of the discovery of Svalbard, geographical connotation of the name, and islands included in the group; geography and animal life; the polar bear from the time of the sagas; rediscovery by Bar-endsz, 1596; the great whaling period;

Russian and Norwegian fur hunters; Norwegian whaling, sealing, fishing and bear hunting in modern times; history of the coal industry; scientific investigations; Norwegian sovereignty; Svalbard during World War II; health conditions; a trip from East Greenland to the world's northernmost community, Longyearby; sledge journeys; Gustav Lindquist, hunter, etc. Bibliography, p. 417-22.

Copy seen: DLC; NNS Stef.

7723. INGSTAD, HELGE MARCUS, 1899-. Øst for den store bre. Oslo, Gyldendal, 1935. 4 p. l., [11]-182 p., 1 l. plates, 3 maps (2 fold.) Published in English translation as *East of the great glacier*, 1937.

Chronicle of the period 1932-34, which the author spent in Eirik Raudes Land, (71°30'-75°40'N.) and in the region 60°30'-63°40'N. East Greenland, as "governor" of Norwegian-occupied territories, and leader of his own exploring, hunting and trapping expedition.

Contains a summary of the controversy between Norway and Denmark over sovereignty of Greenland ending in 1933; descriptions of the wildlife: seals and musk oxen, hunting adventures, sledge trips north and south of the base camp at Antarctic Harbor; a review of habitation along the east coast north of Scoresby Sound by Eskimos, visits by exploring expeditions, etc., with but brief references to the author's official duties.

Copy seen: DLC.

7724. INGSTAD, HELGE MARCUS, 1899-. Pelsjegerliv blandt Nord-Kanadas indianere. Oslo, Gyldendal, 1931. 3 p. l., 9-245 p., 1 l. plates, fold. map. **Title tr.:** Life of a trapper among Indians of North America. Published in English translation as *Land of feast and famine*, 1933.

Narrative in popular style, of the author's travels 1930-31 in the region of Great Slave Lake and upper Thelon River, his hunting activities, life among the "caribou-eater" Indians of the Barren Grounds (mention of Chipe-wyans, Crees, Dogribs, Yellowknives, Slaves, etc.)

Copy seen: DLC.

7725. INGVARSON, FREDRIK, 1875-. Om drifveden i Norra Ishafvet. Stockholm, P. A. Norstedt, 1903. 84 p. illus. (Svenska vetenskapsakademien.

Handlingar. Ny följd, bd. 37, no. 1) **Title tr.:** On driftwood in the Arctic Ocean.

Contents tr.: Introduction. Description of driftwood collected by the *Vega* expedition at the Yenisey estuary. Classification of samples of driftwood collected on the coasts of Bear Island, northeast Greenland, Spitsbergen (including King Charles Land and Giles Land) and Jan Mayen. Summary. Some remarks on transportation of seed and the carrying capacity of ice.

Copy seen: DLC.

7726. INGVARSON, FREDRIK, 1875-. Die Treibhölzer auf dem Ellesmere-Land. Kristiania, A. W. Brøgger, 1910. 57 p. tables (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Expedition in the *Fram*, 1898-1902, v. 3 (no. 24)) **Title tr.:** Driftwood on Ellesmere Island.

Analysis of the wood and determination of its origin. **Copy seen:** DLC.

7727. INKSTER, THOMAS H. Vagabonding in the Arctic. (Canadian geographical journal, Feb. 1936. v. 12, p. 58-67, illus.)

An account of the Eskimos encountered during one of the Canadian Eastern Arctic patrols of the *Nascope*, along the Labrador coast and to Baffin Island and Hudson Bay.

Copy seen: DLC.

7728. INMAN, DOROTHY. Archaeology in a Koyuk garden. (Alaska sportsman, Sept. 1942. v. 8, no. 9, p. 8-9, 25-26, illus.)

Account of finding a century-old mound of artifacts at Koyuk, Norton Bay.

Copy seen: DLC.

7729. INMAN, DOROTHY. Even mice help Eskimo harvests. (Alaska sportsman, Oct. 1943. v. 9, no. 10, p. 12-13, 33-34, illus.)

Account of Norton Sound Eskimos' preservation of all kinds of food for winter caches.

Copy seen: DLC.

7730. INMAN, DOROTHY. Koyuk's dogs carry on. (Alaska sportsman, Nov. 1942. v. 8, no. 11, p. 16-18, illus.)

Account of West Alaska Eskimo games and winter dog-racing, at Koyuk, Norton Sound.

Copy seen: DLC.

7731. INMAN, DOROTHY. Play night in Koyuk. (Alaska life, Aug. 1942. v. 5, no. 8, p. 24-26, illus.)

Account of Eskimo games and dancing at holiday time in Koyuk, on Norton Sound, Alaska. *Copy seen:* DLC.

INNES-LILLINGSTON, F. G., *see* LILLINGSTON, FREDRICK GEORGE INNES.

7732. INNES-TAYLOR, ALAN. Kings of the polar trail. (American Kennel gazette, Dec. 1935, v. 52, no. 12, p. 17-20, 186-88, illus.)

An article (for the general reader) on sledge dogs, particularly those of the Byrd Antarctic Expedition, 1933-35. Includes practical information on protection of dogs against disease, problems of shipping dogs, and their endurance. *Copy seen:* DLC.

7733. INNIS, HAROLD ADAMS, 1894-. The fur trade in Canada; an introduction to Canadian economic history. With a preface by R. M. McIver. New Haven, Yale University Press; London, H. Milford, Oxford University Press, 1930. 7 p. l., 444 p. 2 plates, map.

Contents: 1. Introduction. 2. The French régime. (1497-1770). 3. From the Atlantic to the Pacific (1763-1821). Hudson's Bay Co.; the Northwest Co.; the St. Lawrence drainage basin versus Hudson Bay. 4. From Hudson Bay to the Pacific (1821-69). 5. The industrial revolution and the fur trade (1869-1929). 6. Conclusion.

Appendices: text of seven manuscript documents in the Public Archives of Canada, relating to economic aspects of the fur trade.

Bibliographic footnotes throughout.

Copy seen: DLC.

7734. INNIS, HAROLD ADAMS, 1894-. The fur-trade of Canada. Toronto, University of Toronto Library, 1927. 172 p. fold. table, diags. (University of Toronto studies. History and economics. v. 5, no. 1)

Description of the modern trade, with chapters on fur bearers, demand, prices, production (conservation, fur farming, and supply problem) manufacture, and marketing; with a bibliography. (p. 143-46).

Appendices: A. Export of furs in the French period, 1626-1761. B. Trapper's outfit, 1924. C. Trapper's supplies, 1924. D. Misnamed furs.

Copy seen: CaOS; DLC; DA

7735. INNIS, HAROLD ADAMS, 1894-. The Hudson Bay railway. (Geo-

graphical review, Jan. 1930, v. 20, p. 1-30, illus. (incl. map))

Brief history of the Hudson Bay Route, and of the building of a railway from The Pas to Churchill; terminal facilities and harbor improvements; wheat export and mining developments; supplementary motor transport; adaptation of construction and transportation techniques to northern conditions. *Copy seen:* DLC.

INNIS, HAROLD ADAMS, 1894-, *see* also Arctic survey. 1945.

INNOKENTII, Metropolitan of Moscow, 1797-1879, *see* VENIAMINOV, IVAN EVSIEEVICH POPOV, (Innokentii, Metropolitan of Moscow,) 1797-1879.

7736. INOSTRANTSEV, ALEKSANDR ALEKSANDROVICH, 1853-1919. Geologicheskii obzor miestnosti mezdu Bielym morem i Onezhskim ozerom. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1871. T. 2, vyp. 1, p. 1-83, illus., fold. map) *Title tr.:* Geological survey of the region between the White Sea and Lake Onega.

Contains the results of the author's geological exploration, in 1869 and 1870, between the White Sea and Lake Onega, with data on the orography and stratigraphy of various subdivision of the region, including data on the structure of geological formations of the White Sea coast. The process of uplift of this coast and Solovetskiye Islands and former connection of the White Sea with the Baltic Sea, as a gulf of Arctic Ocean, is also discussed. Brief summary of this work is published in the same volume as the author's "Geologicheskii ocherk", 1871, q.v. *Copy seen:* MH-Z

7737. INOSTRANTSEV, ALEKSANDR ALEKSANDROVICH, 1853-1919. Geologicheskii ocherk miestnosti mezdu Onezhskim ozerom, i Bielym morem i Solovetskikh ostrovov. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1871. T. 2, vyp. 1, p. xlv-l) *Title tr.:* Geological sketch of the region between Lake Onega and White Sea, and of Solovetskiye Islands.

Contains a preliminary report on geological exploration of Solovetskiye Islands and the region between Lake Onega and the White Sea, with data on the process of uplift of the coast of the White Sea and its islands (about

3½ inches in one century), and on former connection of the White and Baltic Seas through Lakes Ladoga and Onega. *Copy seen:* MH-Z.

7738. INSTITUT Océanographique, MONACO. Campagne scientifique de la *Princesse-Alice* (1907) Liste des stations. [Monaco, 1907] 11 p. of tables, fold. chart. (*Its:* Bulletin no. 106)

The yacht cruised from June 16 to Sept. 12, in the waters between northern Norway and King's Bay, West Spitsbergen.

Tables show geographic position, depth, type of bottom, type of nets (etc.) used, and remarks on dredge contents, for each station (no. 2563-2673).

Chart shows ice limits from Bear Island to about 79°N. in Greenland Sea west of Spitsbergen; and route of cruises, with stations plotted.

Copy seen: DF.

INSTITUTE OF AMERICAN MEAT PACKERS, *see* AMERICAN MEAT INSTITUTE.

INSTITUTE OF PACIFIC RELATIONS. 8th Conference, 1942, Mont Tremblant, Quebec, *see also* Kizer, B. H. North Pacific International Planning Project. 1942.

INSTITUTE OF PACIFIC RELATIONS. 8th Conference, 1942, Mont Tremblant, Quebec, *see also* Kizer, B. H. U. S.-Canadian NW. 1943.

7739. INSTITUTTET FOR SAMMENLIGNENDE KULTURFORSKNING, Oslo. Instituttet for sammenlignende kulturforskning; beretning om dets virksomhet inntil sommeren 1931, av Fredrik Stang. Oslo, H. Aschehoug & co., 1931. 2 p. l., 212 p. 13 illus. (ports.) *Title tr.:* Institute for Comparative Research in Human Culture; report on the activities in the summer of 1931, by Fredrik Stang.

Describes the organization, aims, projects, activities, personnel, legal basis, and economic support of the Institute. Includes messages to the institute from a number of foreign scholars, and (p. 147-69) an annotated list of the institute's publications.

Copy seen: DSI.

7740. INSTITUTTET FOR SAMMENLIGNENDE KULTURFORSKNING, Oslo. Report on the activities of the

Institute for Comparative Research in Human Culture in the years 1923-1926 [etc.] Oslo, H. Aschehoug & co., Cambridge, Mass. Harvard University Press, 1928 [etc.]

1923-26 (by F. Stang) *its* Publikationer, Ser. C, 1-1, *pub.* 1928.

1927-30 (by F. Stang) *its* Publikationer, Ser. C, 1-3, *pub.* 1930.

1930-34 (by F. Stang) *its* Publikationer, Ser. C, 3-2, *pub.* 1934.

1934-39 (by C. Thorkildsen) *its* Publikationer, Ser. C, 4-1, *pub.* 1939.

1939-45 (by H. Vogt) *its* Publikationer, Ser. C, 4-4, *pub.* 1946.

Describes the activities of the institute, including its researches in arctic cultures; presents brief reviews of its publications; describes its organization and administration; and lists its personnel.

Copy seen: DSI and (1930) DLC.

7741. INTEGRALKOOPERATSIA ORGSTROITEL'STVO. (*In:* Krainii Sever k 1934 g. p. 106-142, tables) *Title tr.:* General cooperation and new organization.

Survey of collectivization in the far North of U.S.S.R. (Murmanskii okrug, and the northern parts of Severnyy kray, Obsko-Irtyshskaya oblast', Zapadno-Sibirskiy kray, Vostochno-Sibirskiy kray, Yakut ASSR, and Dal'nevostochnyy kray) to 1933.

Contains data on the activity of collective organizations in hunting, fishing, farming, cattle-breeding and home industry (kustarnaya promyshlennost').

Copy seen: DLC.

7742. INTERNATIONAL BOUNDARY COMMISSION (U. S., ALASKA AND CANADA). Joint report upon the survey and demarcation of the international boundary between the United States and Canada along the 141st meridian from the Arctic Ocean to Mount St. Elias. In accordance with the provision of Article IV of the convention signed at Washington April 21, 1906 . . . [n.p., 1918] 2 p. l., 7-305 p. incl. front., illus., tables, diagr. 6 fold. plates, 10 maps (2 fold.) and atlas (41 maps) 71x47½ cm.

Contains text of the convention between the United Kingdom and the United States; commission appointments; orders in council, presidential proclamation; explorations and surveys prior to the 1906 convention; narrative

of field work under the convention, 1907-13; list of monuments and description of field methods and equipment.

Appendices: 1. Early explorations and negotiations.

2. Later negotiations leading to the actual demarcation.

3. Descriptions of demarcation stations.

4. Special equipment.

5. Ration lists.

6. Big game seen along the boundary. (Notes on eleven species.)

Maps. Detailed topographic maps in thirty-eight sections, with an index map and one showing neighboring section of the arctic coast.

Copy seen: DLC; NNS Stef.

INTERNATIONAL CONGRESS FOR THE STUDY OF ARCTIC REGIONS. *see* CONGRES INTERNATIONAL POUR L'ÉTUDE DES RÉGIONS POLAIRES.

INTERNATIONAL COUNCIL FOR THE STUDY OF THE SEA, *see* Pettersson, O. Über d. Wahrscheinlichkeit Schwankungen. 1906.

INTERNATIONAL COUNCIL FOR THE STUDY OF THE SEA, *see also* Rolfeisen, G., & others. Climatic changes in arctic plants & animals. 1949.

INTERNATIONAL FISHERIES COMMISSION (U. S. & CANADA), *see* Chapman, W. M. Eleven new species of oceanic fishes. 1940.

7743. INTERNATIONAL GEOLOGICAL CONGRESS. GLACIER COMMISSION. Les variations périodiques des glaciers. 1er-19me rapports, 1895-1913, rédigé au nom de la Commission Internationale des Glaciers.

Rapport 1-13 was published in Archives des sciences physiques et naturelles, 1896-1909. Pér. 4, t. 2, p. 129-47; t. 4, p. 218-45; t. 6, p. 22-55; t. 8, p. 31-61; t. 10, p. 26-45; t. 12, p. 118-31; t. 14, p. 282-302; t. 16, p. 86-104; t. 18, p. 160-95; t. 20, p. 62-74; t. 23, p. 36-44; t. 25, p. 577-87; t. 28, p. 150-57.

Rapport 11-19 was published in Zeitschrift für Gletscherkunde, 1910-1914. Bd. 4, p. 161-76; Bd. 5, p. 177-202; Bd. 6, p. 81-103; Bd. 7, p. 37-47, 191-202; Bd. 8, p. 42-62; Bd. 9, p. 42-65.

Title tr.: Periodic variations of glaciers. 1st to 19th reports published under auspices of the International Glaciers Commission.

Information on the creation of this Commission appears in Forel, F. A., *Les variations périodiques des glaciers*, 1895, q.v.

This series is the annual reports of the members of the Commission, on glacier changes in their respective countries, including Alaska and Greenland, and (intermittently) Svalbard and Franz Josef Land.

File seen: DGS.

7743A. INTERNATIONAL GEOLOGICAL CONGRESS. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions] Leningrad, Chief Editorial Office of the Geological-Prospecting and Geodetic Literature; [etc., etc.], 1937. 25 v. illus., plates, maps, diagrs.

The Seventeenth International Geological Congress (Mezhdunarodnyi geologicheskii kongress, 17aia sessiia, SSSR, 1937) met in Moscow, July 20-29, 1937. Its numerous pre-session and post-session excursions for which guide books were published in Russian, English and French, included three in the North: to Kola Peninsula, July 1-20, to Novaya Zemlya, and to the Ural Mts., Aug. 1-22. Guide books (no. 2, 21-22, and 23) for these three northern trips appear in this Bibliography as follows:

2. POLKANOV, A. A., *editor*. The northern excursion; Kola Peninsula.

21-22. SAMOILOVICH, R. L., and M. M. ERMOLAEV, *editors*. The Novaya Zemlya excursion. Pt. 1-2.

23. ZAVARITSKII, A. N., *editor*. The Uralian excursion; northern part.

Twenty-one papers in these three guide books appear in this Bibliography under their respective authors' names, in Russian and English editions. The French edition of these three guide books has not been located.

File seen: DLC.

7743B. INTERNATIONAL GEOLOGICAL CONGRESS. 17th, Moscow and Leningrad, 1937. Report. v. 1-2, 4, 6. Moscow, 1939. 4 v. illus., plates (part fold.) maps (part fold.), diagrs. Also published in Russian as (No. 774) Mezhdunarodnyi geologicheskii kongress. Trudy, XVII sessii, SSSR, 1937, *pub.* 1939. (v. 1-2, 4 located at DGS)

Contents include: v. 1. Statutes, membership lists, minutes, excursions, etc. Reports at the general assembly. Papers and abstracts on geology of the coal fields.

v. 2. *Pre-Cambrian tectonics of Asia*. POLKANOV, A. A. Pre-Quaternary geology of the Kola Peninsula and Karelia. p. 25-56.

ELISEEV, N. A., and others. Geological and petrographical sketch of the Lovozero tundras. p. 83-88.

VOLAROVICH, G. P. Main phases of folding in the Far East region. p. 581-83.

SHCHERBAKOV, A. V. Geological structure of the Kamchatka Peninsula in accordance with the data of an expedition of the Academy of Sciences of the U.S.S.R. p. 652.

v. 4. *The petroleum problem and the petroleum resources of the world. Geophysical methods in geology*.

RIABUKHIN, G. E. Prospects of oil occurrence in the Soviet sector of Arctics. p. 243-45.

DVALY, M. F. The oil fields of Kamchatka. p. 399.

PERMIAKOV, V. M. Sur la détermination de l'âge géologique des minéraux et des roches de Khibiny et de la Karélie septentrionale par la méthode du plomb. p. 481-85.

v. 6. *Symposium on Paleozoic and pre-Cambrian climates*.

STRAND, T. Fossil climates as indicated by the Eocambrian and Paleozoic deposits in Norway. p. 11-20.

KULLING, O. Über präkarbonische Klimateugnisse von Svalbard. p. 125-30.

TEICHERT, C. Paläoklimatologische Fragen des Spät-Präkambriums und des älteren Paläozoikums von Grönland. p. 255-56.

Each of these papers appears in this Bibliography under the author's name.

File Seen: DGS; DLC (v. 1-2, 6).

7743C. INTERNATIONAL GEOLOGICAL CONGRESS. 17th, *Moscow and Leningrad*, 1937. Trudy XVII sessii, T. 1-2, 4. Moskva, GONTI, 1939. 3 v. illus. plates (part fold.) maps (part fold.), diags.

Also published in English as its *Report*, q.v. where papers analyzed in this Bibliography are listed.

File Seen: DGS.

7744. INTERNATIONAL POLAR COMMISSION. Communications from the

International Polar-Commission, 1st-7th parts. St. Petersburg [etc.] Pub. by the Imperial Academy of Sciences at St. Petersburg, 1882-1891. 7 nos. (364 p.) illus., tables, diags., sketch map.

Consists of 112 numbered communications, paged continuously, and with text in German (for the most part), French or English. Edited by H. Wild, president of the Commission.

"A special publication . . . to ensure rapid and continuous dissemination of intelligence relating to the International Polar Expeditions projected by the late Lt. Weyprecht . . . [which] will contain the resolutions, instructions, and reports of the Commission . . . reports in progress and condition of the observing parties, as well as some preliminary results of their work."-Preface.

The first international polar conference, Hamburg, 1879, was called by the International Meteorological Congress (later . . . Organization); the second conference met in Bern, 1880; and the third conference in St. Petersburg, 1881. During this third meeting plans were completed for the First International Polar Year expeditions.—From communication no. 1.

The fourth conference convened in Vienna, 1884, and the fifth and final meeting of the commission was held in Munich, 1891.

The Commission's communications include (p. 292-303) results of the Netherlands meteorological observations in Kara Sea, Oct. 1882-July 1883, consisting of daily résumé of meteorological elements (non-synoptic).

File Seen: DLC.

7745. INTERNATIONAL POLAR COMMISSION. Proceedings. Session of 1908. Bruxelles, Hayez, impr., 1908. 110, clxii p. illus., plate. Text in French, English and German.

This commission is the Congrès International pour l'Étude des Régions Polaires, q.v., renamed International Polar Commission on Sept. 11, 1906.

These proceedings record the first official meeting of the commission, May 1908, attended by delegates of twelve countries, with Georges Lecointe as secretary. The proceedings include program, minutes of meetings, appendices consisting of statutes, brief memo-

randa, reports, and plans, also the papers:

DENUCÉ, J. Composition des états-majors scientifiques et maritimes des expéditions arctiques et antarctiques entreprises depuis l'année 1800.

CRUYT, W., and W. VAN BRABANT. *Projet de tracteur auto-polaire*. These papers appear in this Bibliography under the authors' names.

Copy seen: DLC.

7746. INTERNATIONAL POLAR COMMISSION. Procès-verbal de la session tenue à Rome en 1913. Bruxelles, Hayez, impr., 1913. 293 p. *Title tr.*: Proceedings of the meeting held in Rome, 1913.

Contains brief section consisting of minutes, the constitution of the commission, report on status, future nomination of corresponding members, projected program of work and election of a board, also an extensive bibliography on the Antarctic.

Copy seen: DLC.

7747. INTERNATIONAL POLAR EXPEDITION, 1882-1883. Report of the International Polar Expedition to Point Barrow, Alaska, in response to the resolution of the [U. S.] House of Representatives of December 11, 1884. Washington, U. S. Govt. Print. Off., 1885. 2 p. l., 3-695 p. front., plates (part col.) fold. map, plan. (U. S. Signal Office. Arctic series of publications, no. 1) Issued also as House ex. doc. 44, 48th Cong., 2d sess. (v. 23, serial no. 2298)

The expedition, under command of Lieut. P. H. Ray, left San Francisco July 18, 1881, established and maintained a scientific station at Point Barrow, and returned to San Francisco, Oct. 6, 1883.

Contents: Pt. 1. Orders and instructions (including apparatus and books)

Pt. 2. RAY, P. H. Narrative.

Pt. 3. RAY, P. H., and MURDOCH, J. Ethnographical sketch of the natives of Pt. Barrow.

Pt. 4. Murdoch, J. Natural history.

I. MURDOCH, J. Mammals.

II. MURDOCH, J. Birds.

III. MURDOCH, J. Fishes.

IV. MURDOCH, J., and RILEY, C. V. Insects.

V. MURDOCH, J. Marine invertebrates.

VI. DALL, W. H. Mollusks.

VII. MURDOCH, J. Collecting localities and dredging stations.

VIII. GRAY, A. Plants.

Appendix: MURDOCH, J. Notes on surface life under the sea-ice.

Pt. 5. [RAY, P. H.] Meteorology (incl. aurora).

Pt. 6. [SCHOTT, C. A.] Terrestrial magnetism.

Pt. 7. [ANCOR, C.] *and others*. Tides.

Pt. 8. McRAE, A. L. Miscellaneous observations.

Each paper (except Pt. 1) appears in this bibliography under its author's name. *Copy seen:* DLC.

7748. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. BRITISH EXPEDITION TO FORT RAE. Observations of the International Polar Expeditions, 1882-83. Fort Rae, London, Eyre & Spottiswoode for Trübner & Co., 1886. xiv, 326 p. incl. tables. illus. (3 sketch maps) 32 fold. diagrs.

The four-man expedition, under the command of Captain H. P. Dawson, was organized by the Royal Society of London, financed by the government of Great Britain and Canada, and stationed in a Hudson's Bay Company post on the north shore of Great Slave Lake, at 62°38'52"N. 115°43'50"W.

Discussion of the magnetic observations was carried out by H. P. Dawson, and of the meteorology, by R. Strachan and J. A. Curtis.

Contains an account of the organization, program of work and instrumentation; results of hourly observations or registrations, Sept. 1, 1882-Aug. 31, 1883, of meteorological elements; hourly tabulations and journal of occurrences of aurora.

Daily readings of maximum black bulb and minimum thermometers (the latter exposed on the ground to the sky; and daily soil temperatures at 1, 2, 3 and four-foot depths.

Hourly magnetic declination, horizontal and vertical intensity measurements; five-minute and twenty-second readings of these elements on bi-monthly term dates; and the mean diurnal course of the three elements on quiet and disturbed days.

Diagrs.: Graphs of the results of term days and hours of the magnetic elements. *Copy seen:* DLC.

7749. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. DEUTSCHE

POLAR-KOMMISSION. Die Beobachtungs-Ergebnisse der deutschen Stationen. Bd. 1. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observatorien in Breslau und Göttingen. Berlin, 1886. lxiv, 737 p. incl. tables, 11 plates, 3 charts (2 fold.) map, 41 diagrs. *Title tr.:* The results of observations of the German station. v. 1. Kingua Fiord and the meteorological stations of second order in Labrador: Hebron, Okak, Nain, Zoar, Hopedale, Ramah, as well as magnetic observations in Breslau and Göttingen.

The German Polar Commission, during the First International Polar Year, maintained stations at Cumberland Sound (Baffin Island) and on South Georgia Island (Antarctic). Dr. W. Giese led the northern expedition, with L. Ambronn, astronomer, Dr. W. Schliephake, physician and natural history observer; Capt. A. Mühleisen, meteorologist; H. Abbes, mathematician and physicist, and H. Seemann, mechanic.

The *Germania* sailed from Germany, June 28, 1882. She anchored in Kingua Fiord (the northwestern extremity of Cumberland Sound) Aug. 21, 1882, and remained there until Sept. 17, when she returned to Germany. During July-August 1883, she sailed again to Baffin Island with Dr. Franz Boas, who remained in the expedition's quarters, after they evacuated Kingua Fiord in Sept. 1883.

A supplementary expedition under Dr. K. R. Koch was sent to Labrador, in the *Harmony*, July 17, 1882. Dr. Koch installed meteorological apparatus in Moravian missions at six stations along the coast (55°25'N.-58°48'N.); wintered at Nain and made meteorological and auroral observations, leaving on Sept. 15, 1883.

Meteorological observations were continued at these six Labrador stations for a number of years, the continuing results appear in this Bibliography under Hamburg, Deutsche Seewarte, *Deutsche ucherseeische meteorologische Beobachtungen*, 1887-1900.

Contents tr.: Introduction: Narrative of the Kingua Fiord and Labrador expeditions. Geographic position finding at Kingua Fiord.

1. Meteorological observations: Hourly values of all elements, Sept. 12, 1882-Sept. 9, 1883, at Kingua Fiord, with daily means and extremes, monthly and annual summaries; observations (8 A.M., 2 P.M., and 8 P.M.) at the six Labrador stations.

2. Magnetic observations Kingua Fiord: detailed account of basic determinations of magnetic elements and results of hourly measurements for all days, and five-minute and twenty-second measurements on semi-monthly term dates, of declination and horizontal intensity; thirty-second results of these elements on selected disturbed days; ten- and thirty-second readings of earth currents on selected days.

A detailed journal of individual occurrences of aurora at Kingua Fiord and Nain, including sketches of aurora for certain dates.

Appendices: Eschenhagen, M. On the Lamont-Weyprecht constant for change relationship of variation of geomagnetic horizontal-intensity and inclination.

Eschenhagen, M. Supplement to Dr. Giese's paper on earth currents.

Galle, J. G. Variation of magnetic declination observed at the University of Breslau observatory.

Schering, E., and K. Schering. Observations at the Gauss Geomagnetic Observatory, University of Göttingen.

Copy seen: DLC.

7750. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. **DEUTSCHE POLAR-KOMMISSION.** Die deutschen Expeditionen und ihre Ergebnisse. Bd. I-II . . . Berlin, 1890-91. 2 v. (vii, 243, 120 p.; vii, 574 p.) illus., plates (part fold.), maps. *Title tr.:* The German expeditions and their results.

Edited by Dr. G. Neumayer. The German Polar Commission sent a northern expedition to Kingua Fiord in Cumberland Sound, Baffin Island, a supplementary expedition to the coast of Labrador, and a southern expedition to South Georgia Island (Antarctic).

Contents tr.: Bd. 1 (pub. 1891). Historical part, and some additions to the physical papers and others.

Chap. 1. The International Polar Year 1882-83. Development of the idea in respect to terrestrial magnetism, its history and special purpose.

Chap. 2. The German role in the Polar Year.

Chap. 3. The Expedition to Kingua Fiord, narrative.

Chap. 4. [Antarctic]

Chap. 5. Account of the supplementary expedition under Dr. K. R. Koch to Labrador.

Chap. 6. Establishment of the bureau of editing the scientific material from the expeditions. Plan of this work.

Chap. 7. Main work on the results of the German research.

Chap. 8. Koch, K. R. Auroral observations at Nain and Kingua Fiord. (Full report on these observations is in: International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. *Die Beobachtungs-Ergebnisse*. Bd. 1, 1886)

Chap. 9. Some reflections on the accomplishments of the International Polar Year.

Appendices include: Some measurements of depth, deep-water temperature and specific gravity by the *Germania*.

List of animals occurring in Labrador, observed by Missionary S. Weiz.

Bd. 2 (*pub.* 1890). Descriptive natural history.

1. ABBES, H. The Eskimos of Cumberland Gulf.

2. AMBRONN, H. Vegetation of Kingua Fiord.

3. AMBRONN, H. Phanerogams and vascular cryptogams of Kingua Fiord.

4. WINTER, G., and B. STEIN. Fungi and lichens of Kingua Fiord.

5. List of plants collected by Dr. Boas.

6. STEINMANN and BUCKING. Geology of the coasts of Cumberland Sound.

7.-18 [Antarctic]

Each of these appendices appears in this Bibliography under its author's name, those without specified author, under International [etc.]

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7751. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. DEUTSCHE POLAR-KOMMISSION. Einige Messungen von Tiefen, Tiefentemperaturen und spec. Gewicht des Meerwassers während der Reise des Expeditions-Schiffes "Germania" nach dem Cumberland-Golfe. (*In its:* Die deutschen Expeditionen und ihre Ergebnisse, 1891. Bd. 1, Anhang, p. 83-85, tables) *Title tr.:* Some measurements of

depths, deep sea temperatures and specific gravity of sea water during the voyage of the *Germania* to Cumberland Sound.

Contains data for regular intervals (10, 20, 30, etc. meters) during ten different days on the voyage from Europe to Cumberland Sound.

Surface temperatures and specific gravities are recorded in the meteorological journal of the Expedition in its: *Die Beobachtungs-Ergebnisse*, 1886. Bd. 1 [pt. 1], q.v. *Copy seen:* DLC.

7752. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. DEUTSCHE POLAR-KOMMISSION. Liste der von Dr. F. Boas gesammelten Pflanzen. (*In its:* Die deutschen Expeditionen, 1890. Bd. 2, p. 97-99) *Title tr.:* List of plants collected by Dr. F. Boas.

Contains a simple list of forty-four phanerogam species, and thirty lichen species, collected by Boas during his sojourn on Baffin Island, 1883-84, after the departure of the German International Polar Year party.

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7753. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. DEUTSCHE POLAR-KOMMISSION. Verzeichniss der nach Herrn Missionar S. Weiz in Labrador vorkommenden Thiere. (*In its:* Die deutschen Expeditionen und ihre Ergebnisse, 1891. Bd. 1, Anhang, p. 97-102) *Title tr.:* List of animals occurring in Labrador, observed by Missionary S. Weisz.

Contains German, Latin and Eskimo names of forty-one mammals (land and sea) eighty-three birds, one frog and thirteen fishes (marine).

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7754. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. EXPEDITION DANOISE. Observations faites à Godthaab. Copenhague, Institut météorologique de Danemark, 1886-94. 2 v. illus., tables, diags. *Title tr.:* International Polar Expedition, 1882-83. Danish expedition. Observations made at Godthaab. Edited by A. F. W. Paulsen.

The Danish expedition, under the leadership of A. F. W. Paulsen, established observatories for meteorological geomagnetic, and auroral work at Godthaab, 64°10'48"N. 51°43'30"W., on the peninsula between Godthaab and Ameralik Fiords, West Greenland, and

occupied them Aug. 1, 1882-Aug. 31, 1883. *Contents tr.:* T. 1, livr. I (pub. 1893). Paulsen, A. F. W. Introduction.

1. PAULSEN, A. F. W. Aurora borealis.

2. PAULSEN, A. F. W. Magnetic observations.

3. PAULSEN, A. F. W. Monthly sea surface temperatures, April to September, along the route from the north coast of Scotland to Iceland and Greenland.

Livr. II (pub. 1894). PAULSEN, A. F. W. 2. Magnetic observations (continued).

4. PAULSEN, A. F. W. On the nature and origin of the aurora borealis.

5. GARDE, V. Observations of the declination made at Nennortalik (1883-84-85) 60°7'56"N. 45°16'30"W.

T. 2, Livr. I (pub. 1886). 1. PAULSEN, A. F. W. Meteorological observations from Godthaab (Aug. 1, 1882-Aug. 31, 1883) compared with those which have been made during a series of years on the west coast of Greenland.

2. CRONE, C. Tides at Godthaab calculated from a series of hourly observations July 16-Aug. 31, 1883.

3. HJORT, V. The longitude at Godthaab determined from observations of Falbe, Bluhme, and Ryder.

Livr. II. (pub. 1889). 1. PAULSEN, A. F. W. Meteorological observations from Godthaab (continued).

2. HOVGAARD, A. P. Meteorological observations made during the voyage of the *Dijmphna* in Kara Sea (1882-1883).

3. ØSTGRØNLAND EXPEDITION, 1883-1885. Meteorological and nautical observations made at Nennortalik and Angmagssalik by the members of the East Greenland Expedition under Captain G. Holm.

Each part (excepting the Introduction) appears in this Bibliography under its author's name.

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7755. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. *ÉKSPEDITSIA K USTIU REKI LENY, 1882-1884.*

Trudy Russkoï polhârnoï stantšii na ust'e Leny. Beobachtungen der russischen Polarstation an der Lenamündung. [St. Petersburg] 1886-95. 2 v. (iv, 88, 166, 96, vi p.; 2 p. l., xxvii, 305 p.) illus., plates, tables, 3 maps, diagrs. *Title tr.:* Observations of the Russian

polar station at the mouth of the Lena.

This Russian International Polar Year Expedition was sent out by the Russian Geographical Society and consisted of Lt. N. D. Furgens (leader), A. Eigner, mathematician, and Dr. A. Bunge, physician and naturalist, with other assistants and enlisted aides. Headquarters in the Lena delta were at Sagastyr', 73°22'48"N. where magnetic, auroral, astronomic and meteorological observations were taken throughout the Polar Year. Text in Russian and German. *Contents tr.:* Chast' 1 (pub. 1895). Fus, V. E., and others. Astronomical and magnetic observations 1882-1884, ed. by A. A. Tillo.

FUS, V. E. Astronomical observations.

MILLER, F. F. Magnetic observations made on journeys of the members of the Expedition to the Lena delta.

FURGENS, N. D. Magnetic observations made at the Lena delta station.

Appendix: BUNGE, A. The Lena expedition, 1881-84. Account.

Chast' 2. Lenz, R. E., ed. Meteorological observations.

Vyp. 1. (pub. 1886). EIGNER, A. G. Observations of 1882-83.

Vyp. 2. (pub. 1887). EIGNER, A. G. Observations of 1883-84.

Each of these papers appears in this Bibliography under its author's name.

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7756. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. *ÉKSPEDITSIA NA NOVUŮ ZEMLĚ.* Trudy Russkoï polhârnoï stantšii na Novoï Zemle. Beobachtungen der russischen Polarstation auf Nowaja Semlja. [St. Petersburg] 1886-91. 2 v. (p. l., xvii, 142 p.; p. l., xvii, 159 p.) 13 plates (incl. 11 diagrs.) tables, 3 maps. *Title tr.:* Observations of the Russian polar station on Novaya Zemlya. Edited by Lenz. Text in Russian and German.

The Russian Geographical Society sponsored, with government aid, a second expedition to cooperate in work of the International Polar Year and to be stationed at Malyy Karmakuly on Novaya Zemlya, 72°22'36"N. 52°45'E. As this party was organized and equipped later and more hastily than the expedition to Lena delta, its results are more limited.

The thirteen-man party, under the leadership of K. P. Andreev, reached the island early in Aug. 1882. Meteorological

logical observations began on Sept. 1, and magnetic observations on Oct. 1, and were continued until Aug. 31, 1883.

Each part (following) includes a sketch of the organization, program and station. *Contents tr.*: Chast' 1 (*pub.* 1891). Andreev, K. P. Magnetic observations. (Results of hourly measurements of horizontal and vertical intensity and declination, five-minute and twenty-second measurements of these elements on semi-monthly term dates, and the diurnal variation of the mean monthly values, Oct. 1, 1882-Aug. 31, 1883).

Chast' 2 (*pub.* 1886). Andreev, K. P. Meteorological observations. (Results of hourly observations or instrumental registering of meteorological elements, of soil temperatures at surface and 0.4 meters depth, and daily soil temperatures at 0.8 and 1.6 meters depths.

Fus, V. Determination of geographical longitude and latitude of the polar station at Malý Karmakuly.

Illus., graphs, etc.: Daily and annual courses of various elements, and wind roses.

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7757. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. NORSKE POLARSTATION, BOSSEKOP. Die internationale Polarforschung, 1882-1883. Beobachtungs-Ergebnisse der Norwegischen Polarstation Bossekop in Alten. Im Auftrage des Königl. norwegischen Cultus-Ministeriums, herausgegeben von Aksel S. Steen. Christiania, Grøndahl & Son, 1887-88. 2 v. (3 p. l., viii, 31, 100 p. incl. tables. 4 plates; 2 p. l., 73, 90, 128 p. 27 plates) *Title tr.*: Results of observations at the Norwegian polar station Bossekop in Alten, under direction of the Royal Norwegian Minister of Education, edited by Aksel S. Steen.

The Norwegian station, located on Altenfjord, Norway, at 69°58'N. 23°15'E., was occupied by five men under the direction of meteorologist A. S. Steen. *Contents tr.*: Pt. 1 (*pub.* 1887). Historical introduction, astronomy, meteorology. Pt. 2 (*pub.* 1883). Terrestrial magnetism, aurora.

The introduction outlines the Norwegian participation in the First International Polar Year activities; the organization, personnel and instrumentation of the Bossekop station.

Astronomy: determination of time, longitude, latitude and azimuth.

Meteorology: results of hourly observations or registrations of meteorological elements; and monthly deep-sea temperature measurements in Altenfjord, Aug. 1, 1882-Sept. 30, 1883. Diurnal course of several meteorological elements have been graphed for the four seasons.

Terrestrial magnetism: results of hourly measurements of horizontal and vertical intensities, and of five-minute and twenty-second measurements of these elements on semi-monthly term dates; the diurnal variations for both total days and quiet days, Aug. 1, 1882-Aug. 31, 1883. The course of the magnetic elements on term dates have been graphed and presented in plates.

Aurora: a journal of detailed descriptions of aurora and clouds during individual occurrences, and tables of hourly scalar values of the various characteristics of aurora, Aug. 1, 1882-Aug. 31, 1883.

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7758. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. ÖSTERREICHISCHE POLAREXPEDITION NACH JAN MAYEN. Beobachtungs-Ergebnisse; die Österreichische Polarstation Jan Mayen, ausgerüstet durch Graf Hanns Wilczek, geleitet vom Emil Edlen von Wohlgemuth, herausgegeben von der Kaiserlichen Akademie der Wissenschaften. Wien, K. K. Hof- und Staatsdruckerei, 1886. 3 v. illus. plates, maps (part. fold) *Title tr.*: Results of observations, Austrian Polar Station Jan Mayen, equipped, outfitted and sponsored by Count Hanns Wilczek, led by Emil Edlen von Wohlgemuth.

The Austrian First International Polar Year expedition left Pola in the Steamship *Pola* April 2, 1882, completed outfitting in Norway, left Norway May 25 with Wilczek on board in an attempt to reach Jan Mayen, turned back as result of ice barriers, set forth again from Norway June 21 without Wilczek, and this time reached Jan Mayen and set up an observation station of substantial buildings in Wilczek Valley. Scientific observations were made at this station and elsewhere on the island from July 1882-Aug. 1883, and other observations were made during the sea voyages to and from the island.

Contents: Bd. 1. WOHLGEMUTH, E. E. von. Vorbericht.

Thell 1. GÜDEL-LANNOY, R., *Freiherr B. von. Astronomie.*

Th. 2. BOLDVA, A. B. von. Aufnahme und Beschreibung der Insel Jan Mayen.

Th. 3, Abt. 1. SOBIECZKY, A. Meteorologie.

Abt. 2. LUKSCH, J., and J. WOLF. Temperatur und spezifisches Gewicht des Seewassers.

Abt. 3. KLIEMETSCHKE, A., and J. SOBIECZKY. Resultate der chemischen Untersuchungen über die von Jan Mayen mitgebrachten Seewasserproben.

Abt. 4. BOLDVA, A. B. von. Ebbe- und Fluthbeobachtungen.

Bd. 2, Abt. 1, Th. 4. BOLDVA, A. B. von. Polarlicht- und Spectralbeobachtungen.

Abt. 2, Th. 5. GRATZL, A. Magnetische Beobachtungen.

Bd. 3. FISCHER, F. Einleitung.

Th. 6. Zoologie. A. UHLIG, V. Foraminiferen.

B. MARENZELLER, E. von. Poriferen, Anthozoen, Ctenophoren und Würmer.

C. LORENZ, L. von. Polypomedusen.

D. FISCHER, J. Echinodermen.

E. KOELBEL, C. Crustaceen, Pycnogoniden, und Arachnoideen.

F. BECHER, E. Insecten.

G. BECHER, E. Mollusken.

H. LORENZ, L. von. Bryozoen.

I. DRASCHE von WARTINBERG, R., *Freiherrre*. Tunicaten.

K. STEINDACHNER, F. Fische.

L. FISCHER, F., and A. von PELZELN. Vögel und Säugethiere.

Bd. 7. Botanik A. REICHARDT, H. W. Flora der Insel Jan Mayen.

B. SCHNEIDER, J. Untersuchungen einiger Treibhölzer.

Bd. 8. Mineralogie: BERWERTH, F. Über Gesteine von Jan Mayen.

Each paper appears in this Bibliography under its author's name.

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7759. INTERNATIONAL POLAR YEAR. 1st, 1882-1883. SVENSKA EXPEDITIONEN TILL SPETSBERGEN. Observations faites au cap Thordsen, Spitzberg, par l'expédition suédoise, publiées par l'Académie Royale des Sciences de Suède. Stockholm, P. A. Norstedt & Söner, 1886-91. 2 v. illus., plates, tables, 3 fold. maps, diagrs. (part fold.) *Title tr.:* Observations

made at Cape Thordsen, Spitsbergen by the Swedish expedition.

The Swedish Royal Academy of Sciences selected a committee to supervise the Swedish expedition in co-operation with the First International Polar Year. Appointed as leader was N. G. Ekholm, with scientists E. O. Solander, V. Carlheim-Gyllensköld, S. A. Andrée and H. A. Stjernspetz collaborating. The observatory was located at 78°20'N. 15°E. on West Spitsbergen, where a full program of meteorologic and geographical observations was carried out. *Contents tr.:* T. 1: 1, (pub. 1887). EKHOLM, N. G. Historical introduction.

2 (pub. 1891). EKHOLM, N. G. Astronomic, geodetic and tidal observations. Appendix: geographic reconnaissance, by H. A. Stjernspetz.

3. (pub. 1890). EKHOLM, N. G. Meteorological observations.

4. (pub. 1888). SOLANDER, E. O. Terrestrial magnetism.

T. 2: 1 (pub. 1886). CARLHEIM-GYLLENSKÖLD, V. Aurora borealis.

2. (pub. 1887). ANDRÉE, S. A. Electricité atmosphérique.

3. (pub. 1887). CARLHEIM-GYLLENSKÖLD, V. Phénomènes optiques de l'atmosphère.

4. (pub. 1887). GYLLENCREUTZ, R. Recherches sur le prétendu changement de la couleur de la peau après un hivernage dans les régions polaires.

Each of these papers appears in this Bibliography under its author's name.

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INTERNATIONAL POLAR YEAR. 2d, 1932-1933

7760. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. FINNISCHE POLARJAHR-OBSERVATORIUM ZU PETSAMO. Ergebnisse der magnetischen Beobachtungen des Polarjahr-Observatoriums zu Petsamo ($\delta = 69^\circ 32'$, $1^\circ N$, $\lambda = 31^\circ 14' .9^\circ E$ Gr.) im Polarjahre 1932-1933. Helsinki, Suomalainen tiedeakatemia [1937] 56 p. incl. tables, illus. (Suomalainen tiedeakatemia, Helsingfors. Petsamo observatorium. Veröfentligungen. Nr. 1) *Title tr.:* Results of magnetic observations of the Polar Year Observatory at Petsamo ($69^\circ 32' 01'' N$, $31^\circ 14' 09'' E$) during the Polar Year 1932-1933. By Mauri Tommila.

The Observatory Committee of the Finnish Academy of Sciences organized, and the author as a member of that Committee, directed the work carried out at Petsamo.

Contains description of the site and instrumentation; an account of the organization; results of hourly registrations and daily extreme values of the magnetic elements and their diurnal course for all days, quiet and stormy days; and tabulations of the daily variation of the northerly and easterly components and inclination for all days, quiet, and stormy days, Aug. 1, 1932-Aug. 31, 1933. *Copy seen:* DLC.

7761. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. MORSKIE EKSPEDITSII. *Gidrologicheskie nablūdeniā morskikh ekspeditīi 2-go MPG. Tablit'sy. (In: Kireev, I. A., editor. Karskoe more s prolivami i more Laptevskh, 1937. p. 33-144, 2 fold. maps)*

Contains (p. 34-130) tables of deep sea observations made in Kara Sea 1932-33, by the *Knipovich*, *Sibirskov*, *Severoid No. 5*, *Rusanov*, *Lenin*, *Taimyr*, *Voronov*, *Lomonosov*, *Belukha*, and *Krasin*; and (p. 132-44) in Laptev Sea 1932-33, by the *Sibirskov* and *Krasin*. These tabular data cover temperatures, chlorinity, salinity, density, and various chemical results at several depths; included also is note of (some of) wind, atmospheric pressure, precipitation, swell, transparency, depth, bottom, etc., at the stations. Table of observations on the color of the sea water by the scale of Forell-Uhle, made in Kara and Laptev Seas, Aug.-Oct. 1932-33, by the *Persei*, *Rusanov* and *Krasin* (p. 131). *Copy seen:* DLC.

7762. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. MORSKIE EKSPEDITSII. *Gidrologicheskie nablūdeniā morskikh ekspeditīi 2-go MPG. Tablit'sy. (In: Kireev, I. A., editor. Vostochno-Sibirskoe i Chukotskoe moriā Beringov proliv i Beringovo more, 1936. p. 60-180, fold. map)*

Tables of observations reported from various ships in eastern waters of the Soviet Arctic as part of the Second International Polar program (for which the stations are shown on fold. map following the tables).

Contains (p. 60-61) a few days' deep sea observations in temperature, salinity, chemistry, with note of precipitation, wind, pressure, transpar-

ency, swell, ice, bottom, etc., taken from the *Litke* in the region 70°05'N. 170°22'E.-69°46'N. 162°24'E.; similar observations (p. 62-111) in Bering Sea and Strait and Chukchi Sea (between 52°24'N. 158°36'E. and 67°08'N. 168°39'W.) taken from the trawler *Dalnevostochnik* 1932; similar (but more detailed) observations (p. 112-64) by the trawler *Krasnoarmeets* 1933, in the same region; further observations (p. 165-69) from the *Litke* 1932, in Bering Sea and Strait, and Chukchi Sea; and (p. 169-79) similar observations taken in (roughly) the same waters by the *Sovet* 1932. Summary in English, p. 36-59. *Copy seen:* DLC.

INTERNATIONAL POLAR YEAR. 2d, 1932-1933. MORSKIE EKSPEDITSII, see also Kireev, I. A., ed. Karskoe more i more Laptevskh. 1937.

INTERNATIONAL POLAR YEAR. 2d, 1932-1933. MORSKIE EKSPEDITSII, see also Kireev, I. A., ed. Vostochno-Sibirskoe i Chukotskoe moriā [etc.] 1936.

7763. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. NIEDERLANDSCH EXPEDITION. *Aerologische Beobachtungen und Terminbeobachtungen in Angmagssalik während des Internationalen Polarjahres, 1932-1933. Rijksuitgeverij's-Gravenhage, 1934. [v] 19 p. plate. (Netherlands. Meteorologisch institut. Ergebnisse aerologischer Beobachtungen, 22A) Title tr.: Aerological and terminal [synoptic] observations at Angmagssalik, during the Second International Polar Year, 1932-1933.*

Contains a brief account of the Netherlands' part in the Second International Polar Year program, organizing a station at Angmagssalik, the personnel, location, and scientific work. Tables (p. 2-4), show the results of individual pilot balloon ascents made at Angmagssalik during May-Aug. 1933. Values of direction and speed are given by 0.5 km. intervals up to 4.05 km. A supplementary table (p. 5) gives results of ascents by 0.5 km. intervals up to 11.05 km. during June to Aug. 1933. International code of daily synoptic meteorological observations at 1300, 1900 and 2,200 hours GMT at Angmagssalik during the period Sept. 1, 1932-Aug. 31, 1933 is given p. 2-19. *Copy seen:* DLC.

7764. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. NORSKE INSTITUTT FOR KOSMISK FYSIKK.

Norwegian publications from the International Polar Year 1932-33, no. 2. Work on terrestrial magnetism, aurora and allied phenomena. Bergen, J. Grieg, 1935. 35 p. and 32 p. of tables and diagrs. 2 plates. (Norske institutt for kosmisk fysikk. Publikasjoner. Nr. 6)

The Norwegian program, originally included magnetic auroral studies at Bear Island and in East Greenland. These plans were abandoned and the Polar Year program finally consisted of (1) the regular work on aurora, terrestrial magnetism and earth currents, at the Auroral Observatory, Tromsø, with the addition of continual rapid magnetic records of the three magnetic elements.

2. Magnetic measurements and records at the Dombås station were kept as usual.

3. Auroral investigations in southern Norway were continued by Störmer.

4. At Bossekop, ordinary 24-hour records as well as rapid magnetic records were made and absolute measurements occasionally made. Earth-current registrations were made on two lines (N-S and E-W).

5. Ordinary and rapid magnetic records, with some absolute measurements at a station near Bodø.

The results of magnetic and auroral observations from Tromsø and Dombås were published in the magnetic yearbooks of the two observatories, published as Norske institutt for kosmisk fysikk, 1934-36, in its *Publikasjoner*, Nr. 4-5, 9. The reports from the Tromsø station appear in this Bibliography as the Institute's *The auroral observatory at Tromsø*.

The results in the polar year publication are limited to the treatment of perturbations only.

Contents: Pt. 1. The executive committee. The Norwegian programme.

Pt. 2. Harang, L., and E. Tonsberg. Results of magnetic observations at the two Norwegian recording stations at Bossekop and Bodø.

Pt. 3. Harang, L. Report on sinusoidal oscillations which occurred on the rapid registration records in Bossekop, Tromsø and Bodø.

Tables, etc. Mean hourly values, Oct. 1932-Aug. 1933, of the three magnetic elements at Bossekop and Bodø, with

monthly means; vector diagrams of monthly means, and graphs of absolute storminess. *Copy seen:* DLC.

7765. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. POLSKA EKSPEDYCJA. Wyniki spostrzeżeń polskiej wyprawy Roku polarnego 1932/33 na wyspie Niedzwiedziej. Résultats des observations de l'expédition polonaise de l'année polaire 1932/33 à l'île des Ours. Warszawa, 1936. 4 zes. *Title tr.:* Results and observations of the Polish Polar Year Expedition to Bear Island, 1932-33. Text (pt. 1, 3-4) in Polish and French, pt. 2 in Polish and German.

The Polish four-man expedition occupied an old Norwegian station on northeastern Bear Island, at 74°29'5"N. 19°13'52"E., where the party made observations on meteorology, geomagnetism, auroras, and radio meteorology.

Contents tr.: Zes. 1. LUGEON, J. Meteorology.

Zes. 2. LUGEON, J., and others. Terrestrial magnetism.

Zes. 3. LUGEON, J. Static.

Zes. 4. LUGEON, J. Auroras.

Each of these papers appears in this Bibliography under its author's name.

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7766. INTERNATIONAL POLAR YEAR. 2d, 1932-1933. SWEDISH EXPEDITION TO SPITZBERGEN. Swedish Polar Year Expedition, Sveagruvan, Spitzbergen. General introduction; terrestrial magnetism. Stockholm, Swedish National Committee for Geodesy and Geophysics, 1939. 77 p. incl. tables. illus. (2 sketch maps, diagrs.) plate.

The Swedish Expedition occupied two stations; one party under Dr. F. Lindholm, leader of the whole expedition, made magnetic, aurora and aerological observations at Sveagruvan, 77°54'N. 16°45'E., 941 meters above Braganza Bay, on Van Mijen Bay (Bell Sound).

The second party, in charge of H. Olsson, made meteorological observations on Mt. Nordenskiöld, 1050 meters above, and southwest of Longyearbyen, Advent Fiord. Results of the second party's work appear in this Bibliography as Olsson, H. *Meteorological observations at Mount Nordenskiöld*, 1936, q.v.

Contents: General introduction; brief account of the two expedition sections.

Lindholm, F. Terrestrial magnetism. Results of hourly measurements of the three magnetic elements, Sept. 1, 1932-Aug. 31, 1933.

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7767. INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIRCRAFT. Das Luftschiff als Forschungsmittel in der Arktis; eine Denkschrift, mit vier Anlagen. [Berlin, Gedruckt bei Otto v. Holten, 1924] 1 p. l., 5-61, [1] p., 1 l. 11 plates (maps, charts, diagrs.) *Title tr.:* The airship as a means of research in the Arctic. A memoir, with four additional papers.

Contains (in German) a general discussion of the history of airship travel in the Arctic, of the problems of weather, unknown routes, construction of the ships, and the scientific contributions which such research could make; also a list of members of the society.

Appendices tr.: 1. Schneider, K., and others. The meteorological conditions. (Problems of wind, need for weather charts, a list of polar stations, and atmospheric pressure distribution) with an addendum: Breitfus', L. L. Extracts from observations (temperature, winds, and weather elements) on the north coast of Russia. (Various years Mar.-July 1876-1917)

2. Boykow, J. M., and others. Navigation in the Arctic.

3. Harbich, and others. The adaptation of radio for navigation and the transmission of information.

4. Finsterwalder, R. On the use of the airship for photogrammetric surveying.

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7768. INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIRCRAFT. Verhandlungen der I. ordentl. Versammlung in Berlin 9.-13, November 1926, hrsg. im Auftrage der Studiengesellschaft, von L. Breitfuss. Gotha. J. Perthes, 1927. 3 p. l., 115 p. illus., 11 plates (incl. fold. diagrs.) fold. map. (Petermanns geographische Mitteilungen. Ergänzungsheft, no. 191) *Title tr.:* Proceedings of the first regular meeting in Berlin, Nov. 9-13, 1926, edited under direction of the Research Society by L. Breitfus.

Contents include: Papers and discussion:

1. Kohlschutter, E. The origin of the International Research Society for the Exploration of the Arctic Regions by Means of Aircraft (*in German*).

2. Nansen, F. The scientific importance of arctic research (*in German*).

3. Bruns, D. W. Practical means of fitting the large size airship into an expanded scientific exploration, and a permanent patrol of the Arctic (*in German*).

4. Shaw, Napier. The influence of the north polar region upon the meteorology of the Northern Hemisphere.

5. Samoilovich, R. Geological problems of arctic research (*in German*).

6. Boykow, J. M. Methods of measuring in aerogeodetics and their significance for geographic research (*in German*).

7. Bauer, L. A. Need of magnetic and electric data in the polar regions.

8. Wigand, A. Problems of atmospheric electricity in arctic research (*in German*).

9. Bjerknes, V. The polar front theory (*in German*).

10. Weickmann, L. The 24-day polar pressure wave, winter of 1923-24 (*in German*).

11. Sverdrup, H. U. The meteorological research and results of the "Maud" Expedition (*in German*).

12. Shostakovich, V. The influence of the Arctic on Siberian climate (*in German*).

13. [Antarctic]

14. Helland-Hansen, B. The oceanographic significance of arctic research (*in German*).

15. Bleistein, W. The rigid airship and the possibility of its development for world commerce and research work (*in German*).

Copy seen: DLC.

7769. INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIRCRAFT. Verhandlungen der II. ordentl. Versammlung in Leningrad, 18.-23. Juni 1928. Hrsg. im Auftrage der Gesellschaft von A. Berson und L. Breitfuss. Gotha, Justus Perthes, 1929. 76 p. illus., 11 plates (incl. 2 fold. maps, fold. diagrs.) (Petermanns geographische Mitteilungen. Ergänzungsheft, No. 201) *Title tr.:* Proceedings of the second regular meeting in Leningrad, June 18-23, 1928, edited under direction of the Society by A. Berson and L. Breitfus.

Contents: 1. Proceedings of the general assembly.

2. Papers: Knipovich, N. M. Biological research in the Arctic (*in German*).

Wilkins, G. H. Observations of ice conditions made on an airplane flight from Pt. Barrow, Alaska to Spitzbergen, 1928.

Vorob'ev, B. N. Declaration of the 2d general assembly (*in French*).

Bleistein, W. Anchoring airships in the open (*in German*).

Hobbs, W. H. The aerological weather station on Mt. Evans in southwestern Greenland.

Kaminski, A. A wind-divide in northern Asia (*in German*).

VIZE, V. I. U. Some hydrologic and meteorologic problems of the Arctic (*in German*).

ROSE, N. On the construction of magnetic charts for the arctic zone of U.S.S.R. (*in German*).

Schulz, B. Hydrography of the western Barents Sea based on observations made during the summers of 1926-27 (*in German*).

Molchanov, P. A. Problems and methods of research on the atmosphere in arctic regions (*in German*).

Freimann, J. On the radio transmitter as a distance indicator of meteorological elements (*in German*).

WEGENER, A. L. Remarks on astronomical position-finding in airships (*in German*).

MATUSEVICH, N. N. The geophysical observatory "Matochkin Shar" on Novaya Zemlya (*in German*).

Tolmachov-Karpinski, E. On the newest polar research of the (U.S.S.R.) Academy of Science (*in German*).

AKHMATOV, V. The cartography of the Soviet Arctic (*in German*).

RODEWALD, M. Weather conditions in the Arctic during the Wilkins flight from Alaska to Spitzbergen, Apr. 16, 1928 (*in German*).

Papers by Akhmatov, Matusevich, Rodewald, Rose, Vize, and Wegener appear in this Bibliography under the author's name. *Copy seen:* DGS.

INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIRCRAFT, see also Arktis; 1928-31.

INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIR-

CRAFT, see also Berson, A. J. S., & others. Arktisfahrt d. Luftschiffes Graf Zeppelin, 1931. 1933.

INTERNATIONAL SOCIETY FOR THE EXPLORATION OF THE ARCTIC REGIONS BY MEANS OF AIRCRAFT, see also Nansen, F., & L. L. Breitfus'. Erforschung inner Arktis. 1929.

7770. IOFFE, SEMEN SAMOILOVICH. The Northern Sea Route as a transport problem. Moscow, U.S.S.R. Council, Institute of Pacific Relations, 1936. 1 p. l., 27 p. (U.S.S.R. Council papers, no. 5) Prepared for the Sixth Conference of the Institute of Pacific Relations, Yosemite Park, California, Aug. 15-29, 1936, and printed in the United States.

Contains an historical sketch of the search for a Northeast Passage from the 16th to 19th centuries, and of the efforts made by the Soviet Northern Sea Route Administration 1919-35, to open the route for transport passage.

Tables: 1. Kara Sea operations, 1920-35. Number of ships and freight, in tons.

2. Northeastern arctic trips, 1911-35; voyages from Vladivostok to the Kolyma, the Lena and Wrangel Island. Number of ships, destination, length of stay in the Arctic, amount of freight.

3. Through passage of ships from Novozemelskie Straits (Karskiye Voroata and Yugorskiy Shar) to Bering Strait, 1878-1935.

Copy seen: DLC; NNStef.

7771. IOFFE, SEMEN SAMOILOVICH. Pervyi sovetskii reis "Sadko". (*In:* U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. "Sadko" pod sovet-skim flagom. 1935. p. 5-17) *Title tr.:* The first Soviet voyage of the icebreaker Sadko.

A report, by the leader of the expedition, on the voyage and drift of the Sadko in Kara Sea, 1934.

Copy seen: DLC.

IOKHEL'SON, VLADIMIR IL'ICH, see JOCHELSON, VLADIMIR IL'ICH, 1855-1937.

7772. IONOV, V. Dukh-khoziain lesa u iakutov. (Zhivaiia starina, 1914. v. 23, vyp. 3-4, Prilozhenie 1, p. 016-020) *Title tr.:* The spirit owner of the forest among the Yakuts.

Contains materials collected by S. A. Novgorodov and edited by the author; texts with Russian translation of the ceremonial address to these spirits, their attributes and their various names are given. *Copy seen:* DLC.

7773. IONOV, V. Medved' po vozzreniām iakutov. (Zhivaia starina, 1915, v. 24, vyp. 3, Prilozhenie, p. 051-058) *Title tr.:* The bear according to the Yakut beliefs.

Contains materials on the Yakut beliefs and their attitude toward the bear with several folk-tales and incantations. *Copy seen:* DLC.

7774. IONOV, V. Obzor literatury po verovaniām iakutov. (Zhivaia starina, 1914, v. 23, vyp. 3-4, p. 317-72) *Title tr.:* A review of the literature on the beliefs of the Yakuts.

Contains an extensive review and critical analysis on two works by V. L. Seroshevskii: *Iakuty*, 1895, q.v. and "What Yakuts Believe In".

The reviewer deals with the inadequacy of Seroshevskii's transcriptions, inaccuracy of his data on clan and social organization, and on religion. *Copy seen:* DLC.

IRETON, H. J. C., *see* McLennan, J. C., & others. Height of polar aurora in Canada. 1931.

IRGENS, KRISTEN, *see* Graarud, A., & K. Irgens. Atlas de climat de Norvège. 1921.

7775. IRMINGER, CARL LUDWIG CHRISTIAN, 1802-1888. The arctic current around Greenland. (Royal Geographical Society. Journal, 1856. v. 26, p. 36-43, incl. table) A communication read before the Society, April 1856, and reprinted in Royal Geographical Society, Arctic geography and ethnography, 1875.

Contains the first (apparently) correct statement of the course of the East Greenland Current (which carries ice around Cape Farewell and up Davis Strait); based on the author's study of logbooks for five years' voyages from Denmark to West Greenland. Includes a brief note on the Irminger Current, a branch of the Gulf Stream which turns north-northwest as the Stream flows past Iceland.

Copy seen: DLC.

7776. IRMINGER, CARL LUDWIG CHRISTIAN, 1802-1888. Den engelske nordpolarexpedition under kaptajn Nares. (Geografisk tidsskrift, Kjøbenhavn, 1877. Bd. 1, p. 2-6, map) *Title tr.:* The English Arctic Expedition under Captain Nares.

Account of this expedition of 1875-76 to northwest Greenland, and brief discussion of its scientific results.

Copy seen: DLC.

7777. IRMINGER, CARL LUDWIG CHRISTIAN, 1802-1888. Die Strömungen und das Eistreiben bei Island. (Gesellschaft für Erdkunde. Zeitschrift, 1861. Bd. 11, p. 191-211) *Title tr.:* Currents and drift ice around Iceland.

Translation in French was published in Revue maritime et coloniale, nov. 1861 and feb. 1862, t. 3, p. 238-55; t. 4, p. 419-20 (errata).

Discussion of the North Atlantic and Greenland Sea currents as they affect the amounts of ice from year to year, around Iceland. *Copy seen:* DLC.

7778. IRMINGER, CARL LUDWIG CHRISTIAN, 1802-1888. Die Temperatur im Nördlichen Atlantischen Meere und der Golfstrom. (Petermanns geographische Mittheilungen, 1870. Bd. 16, p. 244-49, incl. tables) *Title tr.:* The temperature of the North Atlantic Ocean and the Gulf Stream.

Translation in English was published in: U. S. Hydrographic Office, *Papers on the eastern and northern extensions of the Gulf Stream*, 1871, p. 92-103.

Contains general remarks (with only a few data) on the temperature of the North Atlantic section of the current, and casual mention of the extension of these waters in the Cape Farewell, Denmark Strait, and Barents Sea regions. *Copy seen:* DLC.

7779. IRMINGER, O. Aeldre beretninger om østkysten af Grønland. (Geografisk tidsskrift, Kjøbenhavn, 1884. Bd. 7, p. 117-21) *Title tr.:* Earlier reports on the east coast of Greenland.

Text, with remarks, of two manuscripts in the Icelandic State Library, describing an Icelander's journey to East Greenland in 1756, and the drifting of a Danish ship from Iceland to Greenland's east coast in 1748.

Copy seen: DLC.

IRVINE, ROBERT, *see* Makarov, S. O.
Ermak vo l'dakh. 1901.

IRVINE-JONES, EDITH I. M., *see*
Heinbecker, P., & E. I. M. Irvine
Jones. Susceptibility of Eskimos to
common cold. 1928.

7780. IRWIN, DAVID, 1911- . One
man against the North, by David
Irwin, with Franklin M. Reck; fore-
word by Lowell Thomas. New York,
Thomas Y. Crowell Co. 1940. 3 p. l.,
244 p. front. (port.) illus. (incl. maps)

Also published in London by R. Hale,
1942 (256 p. plates, ports.)

The author traveled from Barter
Island (off the Alaskan arctic coast)
eastwards across the Barren Grounds
of Canada to Baker Lake (a 3600-mile
trek) Jan. 1933-Feb. 1935. He visited
the North Magnetic Pole area on King
William Island, lived among the Eski-
mos, fed and traveled according to
their custom. He gives an entertaining
and sympathetic account of Eskimo
life, of his dogs, the hardships and
joys of living off the country in all
seasons. *Copy seen:* DLC; NNS Stef.

IRWIN, DAVID, 1911- , *see also*
O'Brien, J. S. Alone across top of
world. 1935.

7781. IRWIN, DON LOUIS, 1888- .
Barnyard manure; its value and use
in Alaska. College, Alaska, 1944. 5
p. (Alaska. Agricultural Experiment
Stations. Experiment stations circular.
No. 2)

Succinct notes on methods of use,
kinds, amounts, and effects on the soil.

Copy seen: DA.

7782. IRWIN, DON LOUIS, 1888- .
Forty-seven years of experimental
work with grasses and legumes in
Alaska. College, Alaska, 1945. 48 p.
(Alaska. Agricultural Experiment Sta-
tions. Bulletin, no. 12)

Contains data on the varieties of
grasses and legumes on which research
has been done at Sitka, Kenai, Ram-
part, Copper Center, Fairbanks, Ko-
diak, and Matanuska Stations; notes
on suitable pasture grasses, seed bed
preparation, harvesting, etc.

Copy seen: DA.

7783. IRWIN, DON LOUIS, 1888- .
Post-war Alaska agriculture. (Alaska
life, Jan. 1944. v. 7, no. 1, p. 14-16,
illus.)

Brief notes on development of farm-
ing, and its status in 1944.

Copy seen: DLC.

7784. IRWIN, DON LOUIS, 1888- .
Potatoes; growing, fertilizing, and
storing in Alaska. College, Alaska,
1944. 5 p. (Alaska. Agricultural Ex-
periment Stations. Experiment station
circular. No. 3)

Brief notes on varieties, soils, seed,
disinfectants, planting and harvesting.

Copy seen: DA.

7785. IRWIN, DON LOUIS, 1888- .
Soil building and pasture practices for
Alaska. College, Alaska, 1944. 4 p.
(Alaska. Agricultural Experiment Sta-
tions. Experiment station circular. No.
4)

Brief directions on how to build,
hold, enrich, and maintain soils, and
manage pastures.

Copy seen: DA.

7786. IRWIN, DON LOUIS, 1888- .
Soil fertilizers; their application and
function on soils in Alaska. [College,
Alaska] 1944. 11 p. tables. (Alaska.
Agricultural Experiment Stations. Ex-
periment station circular. No. 5) Pre-
pared by the agronomist at the
Matanuska Experiment Station.

Contains succinct presentation of
uses of nitrogen, phosphorus and po-
tassium; a table of farm crops, plant-
ing dates, seeding rates and fertilizer;
recommended fertilizer for garden
vegetables; and some notes on commer-
cial fertilizers and soil acidity.

Copy seen: DA.

IRWIN, DON LOUIS, 1888- , *see also*
Edgar, A. D., & D. L. Irwin. Potato
storage Matanuska. 1948.

IRWIN, VIOLET MARY, 1881- , *see*
Stefansson, V., & V. M. Irwin. Kak,
Copper Eskimo. 1924.

ISA, J. M., *see* Savage, A., & J. M. Isa.
Northern dog disease. 1947.

7787. ISAAC, JULIUS. Ueber die
Fangergebnisse der Walfischjagd.
(Deutscher Seefischerei-Verein. Mitt-
heilungen, 1897. v. 13, p. 344-48) *Title*
tr.: Whale fishery returns.

Brief remarks on Scottish whaling
in Davis Strait. *Copy seen:* DF.

7788. ISACHENKO, BORIS LAV-
RENT'EVICH, 1871-1948. Mikrobiologi-
cheskaja kharakteristika gruntov i
vody Karskogo moria. (Leningrad, Vse-

sofuznyĭ arkticheskii institut, Trudy, 1937. T. 82, p. 7-46, 3 illus.) *Title tr.*: Microbiological characterization of the bottom and waters of Kara Sea.

Results of investigations made by the author during the voyages of the ice-breakers *Sedov*, 1930 and *Sibiriakov*, 1933, which covered most parts of Kara Sea.

Description (in brief) of the hydrographic and chemical features of Kara Sea; quantitative study of bottom bacteria; discussion of their biochemical activity, relation to salinity and inflowing river water, distribution and physiologic groups; and a bibliography (45 items). Summary in English.

Copy seen: DLC.

7789. ISACHENKO, BORIS LAV-RENT'EVICH, 1871-1948, and T. L. SIMAKOVA. Bakteriologicheskĭ issledovaniĭa pochv Arktiki. (Leningrad. Vsesofuznyĭ arkticheskii institut. Trudy, 1934. T. 9, p. 107-124, plate) *Title tr.*: Bacteriological investigation of Arctic soils.

Bacteriological analyses of soil samples from Hooker and Northbrook Islands (Franz Josef Land), McClintock, Vize, Kameney Islands (Severnaya Zemlya), and Russkaya Gavan' (Novaya Zemlya), with data on presence of bacteria decomposing cellulose, *Clostridium pasteurianum*, nitrogen-fixing bacteria and denitrifying bacteria. The influence of low temperature and role of birds in spreading soil bacteria are discussed. Summary in German.

Copy seen: DLC.

7790. ISACHENKO, BORIS LAV-RENT'EVICH, 1871-1948, and T. V. LIP-SKAYA. Zametka po voprosu o proras-tanii semĭan arkticheskikh rastenii. (Arctica, 1934. No. 2, p. 101-111) *Title tr.*: A note on the germination of seeds of arctic plants.

An experimental study of germination of various seeds gathered by the authors on Novaya Zemlya, 1930. Summary in German.

Copy seen: DLC.

7791. ISACHSEN, FRIDTJOV EIDE, 1907- . Charles Rabot om jordbunnens på Spitsbergen. (Norsk geografisk tidsskrift, 1946-47. Bd. 11, p. 346) *Title tr.*: Charles Rabot on the question of the frozen soil on Spitsbergen.

Comment on A. K. Orvin's *How is underground ice formed*, 1940, q.v.

Copy seen: NNA.

7792. ISACHSEN, FRIDTJOV EIDE, 1907- . Dr. Charles Rabots gave til det norske geografiske selskab. (Norsk geografisk tidsskrift, 1946-47. Bd. 11, p. 343-45, illus.) *Title tr.*: Dr. Charles Rabot's gift to the Norwegian Geographic Society.

Notes gifts of manuscripts on the history of Spitsbergen and on early French expeditions to the Arctic, also paintings from the *Recherche* expedition, etc.

Copy seen: NNA.

7793. ISACHSEN, FRIDTJOV EIDE, 1907- . Tidligere utforskning av området mellem Isfjorden og Wijdebay på Svalbard. (Norsk geografisk tidsskrift, 1928-29, pub. 1929. Bd. 2, p. 461-64) *Title tr.*: Previous exploration of the region between Ice Fiord and Wijde Bay on Spitsbergen.

Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 8, pt. 1.

Account, by a member of the Norwegian Spitsbergen Expedition, 1924, of previous passages from Dickson Bay, (inner Ice Fiord) through Mariskard to Vestfjord, an arm of Wijde Fiord.

Copy seen: DLC.

7794. ISACHSEN, FRIDTJOV EIDE, 1907- . Verdien av den norske klappmyssfangst langs Sydøstgrønland. Oslo, J. Dybwad, 1933. 24 p. illus. (Norway, Norges Svalbard- og Ishavsundersøkelser. Meddelelse nr. 22) *Title tr.*: The value of the Norwegian bladdernose catch along the coast of southeastern Greenland.

Contains a computation of the value of catch of this seal in the hunting area of drift ice between Scoresby Sound and Cape Farewell, 1924-30. Includes notes on official statistics, the hunting grounds, and the value of catch within a distance of three nautical miles from shore.

Copy seen: NNA.

ISACHSEN, FRIDTJOV EIDE, 1907- , see also Isachsen, G. I., & F. E. Isachsen. Hvor langt nord kom norrøne grønlandere. 1933.

ISACHSEN, FRIDTJOV EIDE, 1907- , see also Isachsen, G. I., & F. E. Isachsen. Norske fangstmenns ferder til Grønland. 1933.

ISACHSEN, GUNNAR, see ISACHSEN, GUNNERIUS INGVALD, 1868-1939.

7795. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Astronomical and
geodetical observations. Kristiania, A.
W. Brøgger, 1907. 141 p. 2 plates, 3
fold. maps, tables. (Norske videnskaps-
akademi, Oslo. Report of the Second
Norwegian Arctic Expedition in the
Fram 1898-1902, v. 2 (no. 5))

Contains description of the astro-
nomical and surveying instruments and
work done, tabular results of observa-
tions made at the winter quarters on
Ellesmere Island, 1898-1902, account of
the sledge trips on Ellesmere and adja-
cent islands. Includes a section on the
triangulation of Goose Fiord on the
southern coast of Ellesmere Island,
and explanatory notes on the accom-
panying map. **Copy seen:** DLC.

7796. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939, and others. Explora-
tion du nord-ouest du Spitzberg entre-
prise sous les auspices de S.A.S. le
Prince de Monaco par la Mission
Isachsen. Monaco, Impr. de Monaco,
1912-1914. 5 v. plates (part fold.)
maps (part. fold.) (Albert I, *Prince
of Monaco*, 1848-1922. Résultats des
campagnes scientifiques accomplies sur
son yacht. Fasc. 40-44)

Report on the Norwegian Spitsber-
gen Expeditions, 1906-07, comprising
eight members (1906), then five mem-
bers (1907) led by G. I. Isachsen, and
equipped by the Prince of Monaco.
Topographic and photogrammetric sur-
veying and geological research was
carried out on that part of northwest-
ern West Spitsbergen called Haakon
VII Land, lying between King Bay and
Cross Bay to the southwest and Wood
Bay to the northeast.

Contents tr.: Pt. 1. ISACHSEN,
G. I. Narrative of the expedition. 1912.
Pt. 2. ISACHSEN, G. I., and A.
HOEL. Description of the area of op-
erations. 1913.

Pt. 3. HOEL, A. Geology. 1914.
Pt. 4. SCHETELIG, J. The base-
ment rocks. 1912.

Pt. 5. HOLMSEN, H. M. R. Botani-
cal observations. 1913.

Each part appears in this Bibliog-
raphy under its author's name.

Copy seen: DLC.

7797. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Folk, faunst og
faerder; nordmaendene paa Spitsber-
gen og Ishavet. (Norske geografiske
selskab. Aarbok, 1916-19, *pub.* 1919.

p. 121-250, illus., map) **Title tr.:**
People, sealing, and expeditions; Nor-
wegians in Spitsbergen and in the
Arctic Ocean.

Contents tr.: 1. From the history
of Spitsbergen; expeditions, tourist
trips and coal mines. 2. From Bear Is-
land and Spitsbergen; sealing expedi-
tions. 3. Sealing, life on sealing
expeditions and types of sealing ships.
4. Arctic skippers and arctic voyages.
5. Spitsbergen and Norway.

Copy seen: DLC.

7798. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Les glaces autour
du Spitzberg en 1907. Monaco, 1908.
8 p. sketch map. (Institut océono-
graphique, Monaco. Bulletin no. 114)
Title tr.: The ice around Spitsbergen,
1907.

Based on the author's observations
while aboard the *Princesse-Alice*, and
on reports of ships' captains. Descrip-
tions of the ice conditions April-
August, in Greenland Sea and Svalbard
waters.

Copy seen: DF.

7799. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Green Harbour.
(Norske geografiske selskab. Aarbok,
1912-1913, *pub.* 1913, Bd. 24, p. 151-
62, illus., fold. map) Issued also as:
Norske Spitsbergenekspeditioner, 1909-
1910. Résultats scientifiques, 1916. T.
1, no. 12) Text in Norwegian.

Contains description of the location,
history, geographic names, surrounding
land and waters of Green Harbor
(Grønfjorden), westernmost of the
southern branches of Ice Fiord, West
Spitsbergen. **Map:** topographic and
hydrographic map, 77°50'-78°10'N.
13°-15°E., scale 1:100,000.

Copy seen: DLC.

7800. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Green Harbour,
Spitsbergen. (Scottish geographical
magazine, Jan. 1915, v. 31, p. 1-22,
illus., maps) Issued also as: Norske
Spitsbergenekspeditioner, 1909-1910.
Résultats scientifiques, 1916, T. 1, ap-
pendice.

Contains translation of his *Green
Harbor*, 1913, q.v., and notes on the
coalfields, whaling and fishing, hunting,
wireless and postal stations, and pro-
tection of the fauna and flora in the
region of Green Harbor (Grønfjorden,
78°N. 14°E. West Spitsbergen).

Copy seen: DLC.

7801. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Har Peary vaert ved
Nordpolen? (Norsk geografisk tids-
skrift, 1926-27, *pub.* 1927. Bd. 1, p.
100-04, sketch map.) *Title tr.*: Did
Peary reach the North Pole?

Summary account of the Peary Ex-
pedition, 1908-1909, and discussion of
distance per day covered on Peary's
sledge journey to the Pole; compari-
son with the Second *Fram* Expedition,
with the author's conclusions that
Peary's claims were reasonable and
probably authentic. *Copy seen*: DLC.

7802. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. The hydrographic
observations of the Isachsen Spitsber-
gen Expedition 1909-10. Christiania,
J. Dybwad, 1912. 36 p. illus., 11 plates,
fold. chart. (Norske videnskaps-akad-
emi, Oslo. Skrifter. I. Matematisk-
naturvidenskapelig klasse, 1912. No.
14)

Issued also as Norske Spitsbergen-
ekspeditioner, 1909-1910. Résultats sci-
entifiques, 1916. T. 1, no. 7

Contains explanatory remarks on
charts of eight fairways and harbors,
including new place names; and sailing
directions for bays and harbors of
northwestern Spitsbergen; with notes
on Prince Charles Foreland and Norske
Hamna on Bear Island.

Copy seen: DLC (large fold. chart
is bound in the Academy's *Skrifter*,
No. 15).

7803. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Ice conditions in the
Spitsbergen Sea. (Geographical jour-
nal. Feb. 1912. v. 39, p. 161-62, map)

Notes, together with a map based on
observations of ice from the Arctic
Coal Company's *William D. Munroe*
(steamship) 1911. *Copy seen*: DLC.

7804. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Isforholdene omkring
Spitsbergen, 1907. (Norske geogra-
fiske selskab. Aarbok, 1906-07. p.
119-25, map) *Title tr.*: Ice conditions
around Spitsbergen, 1907.

Copy seen: DLC.

7805. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Ishavsfarer Sivert
Tobiesen. (Norske geografiske selskab.
Aarbok, 1916-19, *pub.* 1919. p. 1-119,
illus., maps) *Title tr.*: Arctic skipper,
Sivert Tobiesen.

Account of Tobiesen's life, 1821-1873,
with excerpts from, and comments on
his journals of expeditions to West
Spitsbergen, Bear Island and Novaya
Zemlya.

Copy seen: DLC.

7806. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Jorden rundt efter
blåhavl; Oslo, J. W. Cappelen
[c1927] 113, [2] p. illus. (maps)
plates, diagrs. [Publikasjon nr. 6 fra
kommandør Chr. Christensen hval-
fangstmuseum i Sandefjord] *Title tr.*:
Around the globe to hunt the blue
whale.

Describes whaling by Norwegians in
the Antarctic since 1898, and the vir-
tual extinction of former whaling
fields in the Arctic; modern methods in
whaling; the author's participation
antarctic whaling trips, comparative
ice conditions in the two polar areas,
icebergs, ice-breakers and modern whal-
ing ships; scientific cookery, flensing
and oil-producing methods; blue whales
and other species; nationalities en-
gaged in whaling. British licensing of
whalers; construction of whaling ships
in Norway. *Copy seen*: DLC; NN.

7807. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. En kort oversigt
over den anden norske polarfærds ge-
ografiske arbejde. (Geografisk tidsskrift,
1901-02, Kjøbenhavn, 1902. Bd. 16, p.
193-94, sketch map) *Title tr.*: A brief
survey of the geographical work of the
Second Norwegian Polar Expedi-
tion.

Remarks on the scientific work done
by the Second *Fram* Expedition, 1898-
1902, on Ellesmere Island and other
Canadian Arctic Islands.

Copy seen: DLC.

7808. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Nordboernes faerder
til Norderseta. (Norske geografiske
selskab. Aarbok, 1901-07, p. 20-32,
illus., maps) *Title tr.*: The Norsemen's
journeys to "Norderseta".

Discussion of the location of "Nord-
erseta" (probably the general region of
Melville Bay - Smith Sound - Kane
Basin), with descriptions of Norse
archeological objects found on a small
island off Archer Peninsula, Ellesmere
Island by members of the second *Fram*
Expedition, 1898-1902.

Copy seen: DLC.

7809. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Norsk fangsmænds
færder til Grønland. (Norske geogra-
fiske selskab. Aarbok, 1919-21. p. 201-
261, illus., diagrs., maps) *Title tr.:*
Journeys of Norwegian sealers, whal-
ers, and hunters to Greenland.

Contains summaries of the Nor-
wegian sealing and whaling industry
and of the exploration of Greenland's
east coast; also accounts of Norwegian
expeditions to Greenland with a list of
Norwegian ships employed in West
Greenland trade. *Copy seen:* DLC.

7810. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Om opdagelsen af
Svalbard (Norske geografiske selskab.
Aarbok, 1906-07. p. 1-19, map) *Title*
tr.: On the discovery of Svalbard.

Discussion of source material de-
scribing the Norsemen's discovery of
Svalbard (probably West Spitsbergen)
about 1200 A.D. *Copy seen:* DLC.

7811. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Otto Sverdrup.
(Norsk geografisk tidsskrift, 1930-31,
pub. 1931. Bd. 3, p. 290-96)

Description of Sverdrup on the Sec-
ond *Fram* Expedition, 1898-1902, by
a participant, and a character sketch.

Copy seen: DLC.

7812. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Peary's marches on
his North Pole expedition, 1909. (Geo-
graphical review, Jan. 1929. v. 19, p.
132-34)

Translation of the author's paper,
Har Peary vært ved Nordpolen? 1926,
q.v.

Copy seen: DLC.

7813. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Polarhunden. (Polar-
årbogen, 1933. p. 48-51, illus.) *Title tr.:*
The polar dog.

Credits Americans and Norwegians
with being pioneers in the use of dogs
in arctic exploration; discusses Eskimo
dogs, their qualities and handling. In-
cludes data on the origin of the dogs
in West Spitsbergen, and remarks on
dog sledge driving etc.

Copy seen: NN.

7814. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Rapport II sur l'Ex-
pédition Isachsen au Spitsberg 1909-
1910. (Norske Spitsbergenekspedition-
er, 1909-1910. Résultats scientifiques,
1916, T. 2, appendice. 7 p.)

A fiscal report, supplementary to
his: *Rapport sur l'Expedition* [etc.],
1912.

Copy seen: DLC.

7815. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Rapport sur l'Ex-
pédition Isachsen au Spitsberg 1909-
1910. Christiania, J. Dybwad, 1912. 2
p. l., 99 p. illus., 10 plates, fold. chart.
(Norske videnskaps-akademi, Oslo.
Skrifter. I. Matematisk-naturvidenska-
pelig klasse, 1912. No. 15) *Title tr.:*
Report of Isachsen Expedition to Spits-
bergen, 1909-1910.

Issued also as: Norske Spitsbergen-
ekspeditioner, 1909-1910. Résultats sci-
entifiques, 1916. T. 1, no. 9.

Report on the expeditions which
embarked both summers from Chris-
tiania in the *Farm*, a navy transport
ship. Outline of the surveys and studies
made, June-Sept. 1909, in fiords and
along the coasts of West Spitsbergen,
from Green Harbor on the west coast
to Red Fiord on the north coast, in-
cluding the eastern shores of Prince
Charles Foreland; work during the
same months of 1910, when a southern
group studied in the region of Green
Harbor, and that between Ice Fiord
and Bell Sound, and northern group
worked between King's Bay, Cross Bay,
Red Fiord and Wood Fiord, on Rein-
deer Peninsula and in Andrée Land.
Includes a description of the expedi-
tion's organization and personnel, re-
ports of four division leaders, brief
summary of results of work, and a
list of publications.

Copy seen: DLC.

7816. ISACHSEN, GUNNERIUS ING-
VALD, 1868-1939. Récit de voyage.
Monaco, Impr. de Monaco, 1912. 2 p.
l., 112 p., 2 l. 20 plates (part fold.)
8 maps (part col., part fold.). (*His:*
Exploration du nord-ouest du Spitsberg
[etc.] 1. ptie. *Pub.* as: Albert I, *Prince*
of Monaco. Résultats des campagnes
scientifiques accomplies sur son yacht.
Fasc. 40) *Title tr.:* Narrative of the
voyage. (Exploration of northern
Spitsbergen (etc.) carried out by the
Isachsen Expedition. Pt. 1)

Contents tr.: Narrative of the expe-
ditions (1906-07), p. 3-41. Topograph-
ic work, p. 42-75. History of names,
p. 76-89. Meteorological observations
(1906 only), p. 91-99. The discovery of
Spitsbergen, p. 100-102.

Maps: topographic map in 2 sec-
tions, scale 1:100,000, 78°40'-79°40'N.

10°30'–14°30'E. Chart (with topography) of the same area, shows soundings for Cross, Möller, and Lilliehöök Bays. Four inset charts on one sheet, show soundings for Port Möller, Port Ebeltoft, Port Signe and Hamburg Bay.

Copy seen: DLC.

7817. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Reiser på Spitsbergen 1906 og 1907. (Geografisk tidsskrift, 1907–08. Kjøbenhavn, 1908. Bd. 19, p. 325–33, illus.) *Title tr.:* Journeys on Spitsbergen, 1906 and 1907.

Account of earlier exploration of the Spitsbergen archipelago and of the Norwegian Expeditions to West Spitsbergen 1906 and 1907.

Copy seen: DLC.

7818. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Rundt Ellef og Amund Ringnes's lande. (Norske geografiske selskab. Aarbok, 1903–04. p. 129–41, map) *Title tr.:* Around Ellef and Amund Ringnes Lands, April 8th–June 7th, 1901.

Narrative of the author's cartographic trip on the Second *Fram* Expedition, 1898–1902, from the base on the southwest coast of Ellesmere Island around Ellef Ringnes and Amund Ringnes Islands.

Copy seen: DLC.

7819. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Spitsbergen: notes to accompany map. (Geographical journal, Mar. 1915. v. 45, p. 237–42, col., fold. map)

Issued also as: Norske Spitsbergenekspeditioner, 1909–1910. Résultats scientifiques, 1916. T. 2, appendice. Notes based on earlier maps as well as on the work of the Isachsen and other expeditions.

Copy seen: DLC.

7820. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Spitsbergenekspeditionen, 1906. (Norske geografiske selskab. Aarbok, 1906–07, p. 87–117, illus., maps)

Summary report of the Norwegian Spitsbergen Expedition, 1906, consisting of eight members led by Isachsen, and equipped by the Prince of Monaco, which made geological investigations and surveyed the northwest corner of West Spitsbergen (approximately Haakon VII Land).

Copy seen: DLC.

7821. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Spitsbergenekspedi-

tionen, 1907. (Norske geografiske selskab. Aarbok, 1907–08, p. 134–54, maps)

Summary report of the Spitsbergen Expedition, 1907, consisting of five members, led by Isachsen and equipped by the Prince of Monaco, which continued the topographical and geological surveys of the northwest corner of West Spitsbergen started the previous year.

Copy seen: DLC.

7822. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939. Travaux topographiques de l'Expédition Isachsen 1909–1910. Kristiania, J. Dybwad, 1915. 2 p. l., 63 p. illus., 3 plates (1 fold.) 3 fold. maps, tables, diagrs. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1915. No. 7) *Title tr.:* Topographic work of the Isachsen Expedition 1909–1910. Issued also as: Norske Spitsbergenekspeditioner, 1909–1910. Résultats scientifiques, 1916. T. 2, no. 13.

Report on the surveying and photogrammetry methods used to map the northwestern part of West Spitsbergen, (including Prince Charles Foreland) north of 77°40'N. and west of 16°E.; description of base lines, triangulation and construction of the map.

Copy seen: DLC.

7823. ISACHSEN, GUNNERIUS ING-VALD, 1868–1939, and ADOLF HOEL. Description du champ d'opération. Monaco, Impr. de Monaco, 1913. 2 p. l., 95 p., 2 l. 22 plates, 3 col. maps. (Isachsen, G. I. Exploration du nord-ouest du Spitsberg [etc.] 2. ptie. Pub. as: Albert I, Prince of Monaco. Résultats des campagnes scientifiques accomplies sur son yacht. Fasc. 41) *Title tr.:* Description of the field of operations. (Exploration of northwest Spitsbergen (etc.) carried out by the Isachsen Expedition, [1906–07], Pt. 2).

Contains detailed descriptions of features of Haakon VII Land: King Haakon, Brögger, Reusch, Hoel (Ghebrokeiland) and Mitre Peninsulas, Monaco, King, Lilliehöök, Grand, Smeerenburg, Waggonway, and Seven Glaciers, Isachsen Plateau, the fiords and their islands, from Prince Charles Forelands to Kinckowström Bay, and of Grimaldi Peak and Myhre Summit. Maps illustrating these features appear in Isachsen, G. I. *Récit de voyage*, 1912, q.v.

Copy seen: DLC.

7824. ISACHSEN, GUNNERIUS INGVALD, 1868-1939, and F. E. ISACHSEN. Hvor langt mot nord kom de norrøne grønlandinger på sine fangstferder i ubygdene? (Norsk geografisk tidsskrift, 1932-33, pub. 1933.) Bd. 4, p. 75-92, sketch map) **Title tr.:** How far to the north did the Norse Greenlanders reach on their hunting expeditions in the wilderness? Issued also as Norges Svalbard- og Ishavsundersøkelser. Meddelelse. Nr. 19.

Discussion of attempts to identify place names mentioned in literature on Norsemen's travels to "Norderseta", and the author's supposition (based partly on remains found in the Jones Sound region (St. Helena Island) during the Second Fram Expedition, 1898-1902), that they reached Jones Sound and Kane Basin. These "remains" are discussed by A. E. Persild in *Byggede de gamle nordboer edderfugle varp?*, 1937, q.v. **Copy seen:** DLC.

7825. ISACHSEN, GUNNERIUS INGVALD, 1868-1939, and F. E. ISACHSEN. Norske fangstmenns og fiskeres ferder til Grønland, 1922-1931. (Norsk geografisk tidsskrift, 1932-33, pub. 1933. Bd. 4, p. 21-74, illus., tables) **Title tr.:** Journeys of Norwegian whalers, sealers and fishermen to Greenland, 1922-1931. Issued also as Norges Svalbard- og Ishavsundersøkelser. Meddelelse. Nr. 18.

Contains (1) summary account of Norwegian whaling, sealing, fishing, hunting and scientific expeditions to East Greenland north of Scoresby Sound; (2) discussion, with list of expeditions, of the Norwegian hooded seal and Greenland shark industry, the cod and halibut fisheries in southeastern Greenland waters; (3) account of Norwegian walrus, whaling and fishing expeditions to West Greenland waters; (4) summary of the growth of Norwegian economic activities in Greenland, 1922-1931. **Copy seen:** DLC.

ISACHSEN, GUNNERIUS INGVALD, 1868-1939, see also Norske Spitsberg ekspeditioner, 1909-1910. Résultats scientifiques l'Expéd. Isachsen. 1916-27.

ISACHSEN, GUNNERIUS INGVALD, 1868-1939, see also Wolløkke, A. Spitsbergen reindeer. 1928.

7826. ISAEV, S. I. Nekotorye osobennosti v proiavlennikh poliarnykh

siñanii v razlichnykh zonakh. (Problemy Arktiki, 1939, no. 10-11, p. 21-30, illus.) **Title tr.:** Special features in the development of aurora in the different zones.

The differences between the diurnal courses of aurora intensities at various stations and on ships at sea are discussed. **Copy seen:** DLC.

7827. ISAEV, S. I. O sutochnoi periodichnosti poliarnykh siñanii vnutri zony maksimal'noi chastoty. (Problemy Arktiki, 1940, no. 9, p. 41-45, tables)

Title tr.: Diurnal courses of aurora within the zone of maximum frequency.

Aurora frequency in winter is marked by three distinct types of diurnal courses, one with a night-time maximum, the second with a secondary morning maximum and the third with an unstable daily course. Bibliography (7 items). **Copy seen:** DLC.

7828. ISAEV, S. I. O sutochnykh izmeneniakh aktivnosti poliarnykh siñanii (Problemy Arktiki, 1939, no. 2, p. 27-37, tables, diagrs.) **Title tr.:** On the diurnal variations in the activity of aurora.

Discussion of magnetic and auroral activity based on observations at several polar stations in the 1930's. Bibliographical footnotes. **Copy seen:** DLC.

7829. ISAEV, S. I. Poliarnye siñaniia i magnitnaia aktivnost' na myse Chel'uskinska po nabludeniiam 1935-1936 godov. (Problemy Arktiki, 1937, no. 5, p. 29-39, diagrs.) **Title tr.:** Polar lights and magnetic activity on Cape Chelyuskin (observations taken in 1935-1936).

A correlation analysis of the diurnal course of aurora activity with that of magnetic activity at Cape Chelyuskin Sept. 11, 1935-Mar. 24, 1936. Summary in English. **Copy seen:** DLC.

7830. ISAICHKOV, I. M. K poznaniu paraziticheskikh chervей nekotorykh grupp pozvonochnykh russkoï Arktiki. [Chast' 1] Moskva, 1928. 79 p. 2 plates. (Morskoi nauchnyi institut. Trudy, 1928. T. 3, vyp. 2. **Title tr.:** Contributions to the knowledge of parasitic worms of some vertebrate groups of the Russian Arctic.

A description and discussion of parasitic round- and flatworms from land and marine vertebrates in Archangel

Province and in Barents and Kara Seas, collected mostly during the ice-breaker *Malygin* Expedition of the Marine Scientific Institute, 1921; includes record of the hosts and (with synonymy, references to the literature, locations, etc.) of the parasite species, including several new forms.

Copy seen: DF.

7831. ISAICHIKOV, I. M. K poznaniū paraziticheskikh chervei nekotorykh grupp pozvonochnykh russkoi Arktiki. [Chast' 2]. Moskva, Izd. Gosudarstvennogo okeanograficheskogo instituta, 1933. 44 p. tables. (Gosudarstvennyi okeanograficheskii institut, Moskva. Trudy, T. 3, vyp. 1) **Title tr.:** Contributions to parasitic worms of some groups of vertebrates from the Russian Arctic.

Based on the author's collection of trematodes taken during the ice-breaker *Malygin* expedition of the Marine Scientific Institute, 1921, to Barents and Kara Seas. Taxonomic list with synonymy, references to literature, and descriptive notes (including hosts, geographic distribution, etc.) of twenty-nine species, including nine new forms fully described. Includes also records of hosts and infection observed. Summary in English (including descriptions of new forms).

Copy seen: DLC.

7832. ISAICHIKOV, I. M. Promyshlennoe zverovodstvo v kolkhozakh Kol'skogo poluostrova. (Sovetskii Sever, 1933. T. 4, no. 5, p. 85-90, illus.) **Title tr.:** Fox breeding on collective farms of the Kola Peninsula.

On methods of breeding the so-called domestic arctic foxes in fishermen's collectives and native coastal settlements on Kola Peninsula.

Copy seen: DLC.

7833. ISAKSEN, J. N. Prövens färd i Murmanska hafvet sommaren 1882. (Ymer, 1883. Årg. 3, p. 94-100) **Title tr.:** The voyage of the *Pröven* in the Murmansk Sea during the summer of 1882.

Discussion of weather and ice conditions in the Barents Sea, as reported by an arctic skipper.

Copy seen: DLC.

7834. ISAKSEN, J. N. Prövens färd i Murmanska hafvet sommarn 1881. (Ymer, 1882. Årg. 2, p. 75-78) **Title**

tr.: The voyage of the *Pröven* in the Murmansk Sea during the summer of 1881.

Discussion of weather and ice conditions in the Barents Sea, as reported by an arctic skipper.

Copy seen: DLC.

7835. ISBISTER, ALEXANDER KEN. NEDY, 1822-1883. On the geology of the Hudson's Bay territories, and of portions of the arctic and north-western regions of America. (Geological Society of London. Quarterly journal, May 1855. v. 11, p. 497-520, fold. map) Also published in *American journal of science*, May 1856, Ser. 2, v. 21, p. 313-38.

Contains explanatory remarks to a geological sketch map which summarizes the (then) published observations on the area from the U.S.-Canadian boundary to the Arctic Ocean. Includes a bibliography, and geologic notes on the basins of Hudson Bay, Mackenzie River and Great Slave Lake.

Copy seen: DGS.

7836. ISBISTER, ALEXANDER KEN. NEDY, 1822-1883. Some account of Peel River, N. America. (Royal Geographical Society. Journal, 1845. v. 15, p. 332-45, fold. map)

Based on observations made by the author, 1840-41, as a Hudson's Bay Co. fur trader in the region between the Red, Peel, and Rat Rivers, tributaries of the lower Mackenzie. General descriptions of the physical features, natural history and geology of the country north and west of Fort Good Hope (66°17'N. 128°40'W.).

Copy seen: DLC.

7837. ISELIN, COLUMBUS O'DONNELL, 1904-. A report on the coastal waters of Labrador. Based on explorations of the "Chance" during the summer of 1926. (American Academy of Arts and Sciences. Proceedings, Oct. 1930, pub. 1932. v. 66, p. 1-37, tables, diags.)

The explorations of the *Chance* included three cross sections of the Labrador Current, the first off Cape Race, Newfoundland, the second off Sandwich Bay, Labrador (54°N.) and the third off Nachvak Bay (59°N.). This report contains discussion of the *Chance* profiles, the Davis Strait sector, the Labrador Current, the bays and fiords of Labrador, also the phytoplankton, with

an annotated list of forty-three species. Includes a bibliography, and tables of oceanographic data.

Copy seen: DLC.

7838. ISELIN, COLUMBUS O'DONNELL, 1904-. A study of the northern part of the Labrador Current. (American Geophysical Union. Transactions, 1927. v. 8, p. 217-22; also, National Research Council. Bulletin, 1927. No. 61, p. 217-22)

Discussion of temperature, salinity and velocity of the Labrador Current, as shown by two profiles, one off Nachvak Bay, the other south of Hamilton Inlet, result of the cruise of the *Chance*, 1926.

Copy seen: DLC.

7839. ISKUL, E. V. On a finding of valleyrite in the Norilsk sulphide ores. (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940. n.s., v. 27, no. 3, p. 249-51)

Contains results of analyses of sulphide copper-nickel ores in which the mineral was found, and description of the latter.

Copy seen: DLC.

7840. ISKUL, E. V. To the mineralogy of platinum and palladium in the Norilsk sulphide ores. (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940. n.s., v. 27, no. 3, p. 252-54, illus.)

Description of these minerals found during microscopic analysis of sulphide ores in the Leningrad Mining Institute.

Copy seen: DLC.

7841. ISPOLATOV, EVGENII IVANOVICH, 1876-. Kustarnaiâ pikhta Udorskogo kraia. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1932. T. 30, vyp. 5-6, p. 703-707) *Title tr.:* A shrubby form of the fir tree of the Udorsk region.

Contains field observations on a peculiar dwarfed form of Siberian fir tree (*Abies sibirica* L.) occurring in the Udorsk region on the lower Mezen River, a disappearing race of good-sized fir trees. Summary in French.

Copy seen: MH-A.

7842. ISTOMIN, F. M. Predvaritel'nyi otchet o poezdke v Pechorskii kraj lietom 1890 goda. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1890. T. 26, p. 432-59) *Title tr.:* Preliminary report on a trip to the Pechora region in the summer of 1890.

Account of a trip which included the lower Pechora (p. 447-59); description of the villages, with population statistics for seven of the twenty-two villages of Pustozersk District and the history of Pustozersk itself (p. 448-51); clothing, customs, occupations, and religion of the Russian inhabitants of the region; the religion of the nominally-converted Samoyeds (p. 454-56); the outlook for the district.

Copy seen: DLC.

7843. ITALY. COMMISSIONE D'INDAGINI PER LA SPEDIZIONE POLARE DEL- L'AERONAVE "ITALIA." Relazione. Roma, Rivista marittima, 1930. 138 p. 1 illus., 11 maps (6 fold.) *Heading and title tr.:* The Italian Commission of Inquiry into the *Italia* Polar Expedition, Report.

The commission of seven members, under the presidency of Admiral Umberto Cagni, was appointed by B. Mussolini. It held sessions from Nov. 12, 1928 to Feb. 27, 1929. *Contents tr.:* Pt. 1. Causes for the loss of the airship.

Pt. 2. The conduct of the survivors after the catastrophe.

Pt. 3. The rescue operations. (The organization and results, on sea, in the air, and on land)

Appendix: Judgments of the commission on each officer and crew member.

Maps: eleven sketch maps, show the routes and areas of search by the various vessels and airplanes.

Copy seen: DLC.

7844. ITIN, VIVIAN AZAR'EVICH, 1892-. Kolebaniia ledovitosti. (Sovetskaiâ Arktika, 1936, no. 1, p. 74-78; no. 3, p. 80-94, diagrs.) *Title tr.:* Fluctuations in ice conditions.

Review of data from literature and official reports on ice conditions in the arctic seas; attempt to find regularity in the ice régime's fluctuations; analysis of ice conditions in Kara Sea and seas east of Kolyma River for a number of years (irregularly) between 1903 and 1934, indicating the non-coincidence of ice régimes in the western and eastern sections of the Arctic in each given year. Diagrams show ice conditions of Kara Sea and seas east of Kolyma, 1900-1934.

Copy seen: DLC.

7845. ITIN, VIVIAN AZAR'EVICH, 1892- . Kolebaniia ledivosti arkticheskikh morei SSSR. (In: Sibirtsev, N., and V. Itin. Severnyi morskoi put' i Karskie ekspeditzii. Novosibirsk, 1936, p. 121-72, illus., plates, ports, maps, diagrs.) **Title tr.:** Fluctuation of ice conditions of the arctic seas of the U.S.S.R.

A discussion on the tendency to warmer temperatures observed in arctic seas, with data, chronologically arranged from observations of ice conditions in Kara and Chukchi Seas, as well as a general description of ice conditions along the Northern Sea Route, U.S.S.R.

Copy seen: DLC.

7846. ITIN, VIVIAN AZAR'EVICH, 1892- . Morskie puti sovetskoi arktiki. Moskva, Izd-vo Sovetskoi Aziia, 1933. 111 p. illus. **Title tr.:** Sea routes of the Soviet Arctic.

Ice fluctuations on the Northern Sea Route during the previous twenty-three years; history of voyages to the Ob' and Yenisey from the west and to the Kolyma from the east.

Copy seen: NN.

7847. ITJEN, MARTIN. The story of the tour on the Skagway, Alaska streetcar, owned by Martin Itjen, who built the car and wrote this book . . . Henry made the chassis. [n.p., '1934] 82 p. incl. 31 p. of illus.

"This book contains over one hundred historic and scenic views in and around Skagway, Alaska, of the early days of 98," accompanied by remarks and descriptions by one who participated in the gold rush.

Copy seen: NNStef.

7848. ITTER, IA. V. Glubina letnego ottaivaniia vechnoi merzloty v raione Verkhofianska. (Problemy Arktika, 1940, no. 7-8, p. 116-18, table, diagr.) **Title tr.:** The depth of the summer thaw of the permanently frozen ground in the region of Verkhoyansk.

Copy seen: DLC.

7849. IUDELEVICH, D. S. Tekhnicheskii proekt zavoda okisi aluminia v Kandalakshe. (In: Khibinskite apatity, 1932. T. 4, p. 98-118, illus.) **Title tr.:** A technical project for an aluminum oxide manufacturing plant in Kandalaksha.

Plan for construction of a plant for aluminum oxide manufacture in Kan-

dalaksha, 1932; description of the production process; general considerations concerning water, fuel, and electric power supply; approximate capital investment and cost of production.

Copy seen: DLC.

7850. IUDIN, IU. P. Novoe mestonakhozhdenie *Cornus suecica* L. v lesnoi polose evropeiskoi chasti SSSR. (Botanicheskii zhurnal, 1937. T. 22, vyp. 2, p. 197-99) **Title tr.:** A new locality of *Cornus suecica* L. in the forest zone of the European U.S.S.R.

Contains a description of discovery of a new location in the upper course of Nivshera River (62°50'N. 52°51'E.) of an arctic species of dogwood (*Cornus suecica* L. previously known only from the Arkhangelsk region and Kamchatka.

Copy seen: MH.

7851. IUDIN, IU. P. Severnaia granitsa pikhty i kedra v predelakh Izhmo-Pecherskogo i Izhmo-Vymskogo mezhdurechii. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1937. T. 69, no. 1, p. 168-71, map) **Title tr.:** The northern limit of spruce and cedar in the region of the Izhma-Pechora and the Izhma-Vym' watersheds.

Contains data on the northern limit of distribution of *Abies sibirica*, and *Pinus sibirica*, in the watersheds of Izhma-Pechora and Izhma-Vym' region, the former extending almost to the Arctic Circle; based on the results of the Pechora Expedition of the Institute of Botany of Academy of Sciences, 1934-35.

Copy seen: NN.

IUDIN, IU. P., see also Leskov. A. I. & others. Materialy k flore Pechorskogo kraia. 1938.

7852. IUDIN, O. Ledovyi dreif g/s "Professor Vize" v severo-vostochnoi chasti Karskogo moria v avguste-sentia bre 1937 goda. (Severnyi morskoi put', 1939. No. 13, p. 5-18, maps, diagr.) **Title tr.:** Ice drift of the surveying ship *Professor Vize* in the northeastern part of Kara Sea, Aug.-Sept., 1937.

Results of seven hundred ninety-five observations taken during the drift.

Copy seen: DLC.

7853. IUDKIN, I. I. Pronikновение sel'di v Karskoe more i drugie arkticheskie raiony v sviazi s kolebaniiami klimata. (Rybnoe khoziaistvo, 1948. No.

5, p. 41-47, 3 illus. (incl. 2 maps))
Title tr.: Penetration of herrings into the Kara Sea and other arctic regions in relation to fluctuations of climate.

Description of biological characteristics of herrings caught in these regions during the Kara Scientific and Economic Expedition in 1944-46; tables of body measurements, weights, number of vertebrae, etc. The penetration of herrings into the arctic seas is shown to be related to the "warming up" of these regions. Bibliography (13 items).
Copy seen: DLC.

7854. ĬUDZON, I., ed. Na pochetnoi vakhte; rasskazy svâzistov, obsluzhivavshikh êkspeditshiû po smiatiû so l'diny papanintsev. Moskva, Gosudarstvennoe izd-vo po tekhnike svâzi, 1938. 37, [1] p., 1 l., ports. **Title tr.:** The watch of honor; reports of radio operators servicing the expedition which took Papanin's group off the drifting ice floe.

Collection of anecdotes by operators of Russian radio stations, especially in Leningrad, on their servicing of the Russian ice-floe Drifting Station "North Pole" (Dreifûiûshchaya stan-shiâ "Severnyi Polûs") and the rescue expeditions of *Ermak* and other ice-breakers, 1937-38.

Copy seen: DLC.

ĬUMASHEV, ANDREI BORISOVICH, see Stalinskaya trassa. 1937.

7855. ĬUR'EV, B. N. O zapasakh presnykh fruntovykh vod v peschanykh fatshiakh neritovykh formatzii Barentsova moriâ. (Problemy Arktiki, 1938, no. 3, p. 29-41, 3 maps, diag.) **Title tr.:** Fresh ground-water resources in sand layers along the shore of Barents Sea.

Discussion of occurrence of fresh water supply in shallow wells near Indiga and on the Kanin Peninsula, and in the form of nales' near Pechora estuary.
Copy seen: DLC.

7856. ĬUR'EV, B. N. Rekognosti-rovochnoe obsledovanie Kolokolkovoï guby v iûle 1934 g. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiâ, 1935. T. 67, vyp. 1, p. 37-53, illus. (maps)) **Title tr.:** Reconnaissance of Kolokolkova Bay in July 1934.

Description of the Kolokolkova Bay region (on the coast of Archangel district at about 68°32'6"N. 52°12'5"E.)

as the possible location for a settlement, its waters, ice conditions, climate, etc.

Copy seen: DLC.

7857. ĬUR'EV, D. Topograficheskoe opisanie Sïvernago Urala i riêk ego oboikh sklonov. (Vsesoiûznoe geograficheskoe obshchestvo. Zapiski, 1852. Kn. 6, p. 265-382) **Title tr.:** Topographic description of the Northern Ural and the rivers of both its slopes.

Detailed descriptions of the area from 61°N. to the sea as observed during Ural Expedition of 1847-48 (Cherdyn' to Berezovo) by a topographer who worked with group led by Strazhevskii. Includes a sketch of the way of life of the Ostyaks, and a list of generic geographic terms in Vogul, Ostyak, Samoyed, Zyryan, and Russian dialects (p. 268-71). Author's diary of June 29 - Aug. 29, 1848, describing great loss among the reindeer, is given (p. 338-82) to justify expedition's failure to complete assignment.

Copy seen: DLC.

7858. ĬURGENS, N. D. Êkspeditshiâ k ust'û riêki Leny s 1881 goda po 1885 god. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiâ, 1885. T. 21, p. 249-302, 2 fold. maps, tables) **Title tr.:** The expedition to the estuary of the River Lena, from 1881 till 1885.

Account by the leader, of the work of a group consisting of himself, Dr. A. A. Bunge, A. G. Eigner, and five members of the armed forces, who established a station (at 73°22'8"N. 126°35'E.) on Sagastyr' Island as required by the program of the First International Polar Year.

Contains information on the organization and equipment of the expedition, the trip down the Lena from Yakutsk (with description of the river), the arrival at Kytakh settlement (Aug. 7, 1882), and the construction of the Sagastyr' Station nearby; on the work at the station (according to the program from the middle of November), the Yakuts of the delta (p. 263-67), Dr. Bunge's trip to Cape Bykov (1883) to collect information regarding how mammoths are preserved; on the work in 1884, including Eigner's trip to Ust'-Yansk to make additional meteorologic observations and astronomic determinations, and the excavation of a mammoth some twenty miles from the station (p. 275-77). On July 1, 1884,

the observations at the station stopped, and the party retraced its steps to Yakutsk, where Dr. Bunge joined them after completing his excavations. In addition to the meteorologic and magnetic observations required, work was done on tides, specific gravity and temperature of water, auroras, ground temperature at depths of 80 and 160 cm., topography, and determinations of geographic coordinates.

Appendix 1. Coordinates for nine places in the area (p. 285).

Appendix 2. Daily averages (Sept. 1, 1882–Aug. 31, 1883) for barometric pressure, air temperature, absolute and relative humidity, cloudiness, force of wind, land surface and snow surface temperatures, temperature at depth of 0.40 meters. Monthly averages at each hour for the same categories. Monthly duration of wind (by directions) and average velocity.

Map of Lena delta, shows astronomic and magnetic determinations, the winter route from Ketakh (Kytakh) to Bulun, and the tree line. Scale about 1:950,000.

Plan of the Sagastyr' Station.

Copy seen: DLC (maps at end of volume).

7859. FÜRGENS, N. D. Magnitnyia nabludeniia na stantsii v ust'akh r. Leny. Magnetische Beobachtungen der Station an der Lenamündung. (*In:* International Polar Year. 1st, 1882–1883. Ekspeditiia k ust'fu reki Leny, 1882–1884. Trudy Russkoi polarnoi stantsii, 1895. Chast' 1, p. 40–88, and 166 p. of tables and remarks) **Title tr.:** Magnetic observations at the Lena delta station. Text in Russian and German.

Report from the station of the Russian International Polar Year Expedition located at Sagastyr' Island, 73°22'8"N. 126°35'E., giving the results of hourly measurements of horizontal and vertical intensity and declination; five-minute and 20-second measurements of these three elements on semi-monthly term dates and the diurnal variation of the mean monthly values of these elements, Nov. 1882–June 1884.

The journal of aurora observations contains tabulations of individual occurrences with symbols indicating form, direction, intensity, light motion, and height.

Copy seen: DLC.

FÜRGENS, N. D., see also International Polar Year, 1st, 1882–1883. Ekspeditiia k ust'fu reki Leny. Trudy Russkoi polarnoi stantsii, 1886–95.

7860. FÜRGENSON, P. B. Gornostai i laska na Severe. (Sovetskii Sever, 1931, no. 2, p. 45–57) **Title tr.:** Ermine and fitch in the North.

A biological sketch, with remarks on geographical distribution, preserves, migration, habitat, food, and propagation; hunting methods and implements, size of catch 1910–25; references to the literature throughout.

Copy seen: DLC.

7861. FÜRINSKII, TIKHON OSIPOVICH, 1860–1916. Materialy po flori Yakutskoi oblasti. (Leningrad. Glavnyi botanicheski sad SSSR. Izvestiia, 1917. T. 17, vyp. 1, p. 116–57) **Title tr.:** Materials for the flora of the Yakut Province.

Contains a systematic enumeration of ninety-three species of flowering plants and ferns, with Russian and Yakut vernacular names; based on the study of five collections from Yakutia, including some arctic species from the lower basin of the Lena River.

Copy seen: MH-A.

7862. FÜRINSKII, TIKHON OSIPOVICH, 1860–1916. Obzor vesny 1910 goda v Yakutskii. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1915. T. 51, p. 203–211. tables) **Title tr.:** A review of the spring of 1910 in Yakutsk.

Description and chronology of spring: effects on vegetation, appearance of birds and insects, temperatures, wind directions, with a table of average daily temperatures (Feb.–July, 1910) at this settlement (62°N. 129°40'E.) in Yakutia.

Copy seen: DLC.

7863. FÜRKANSKII, V. N. Gady Solovetskogo ostrova. (Solovetskoe obshchestvo kraevedeniia. Materialy, 1927. Vyp. 7, p. 22–23) **Title tr.:** Reptiles of Solovetskiy Island.

Brief preliminary notice on the author's biological investigations in the region in 1926. List of three species collected by the author, the only representatives of reptile fauna on the island.

Copy seen: NN.

7864. FÜRKANSKII, V. N. K poznaniiu fauny koroedov Solovetskogo ostrova.

(Solovetskoe obshchestvo kraevedeniia. Materialy, 1927. Vyp. 7, p. 18-21; vyp. 18, p. 30-35, tables) **Title tr.:** To the knowledge of bark beetle fauna on Solovetskiy Islands.

Report on the author's ecological investigations on these islands in the White Sea in 1926-27. Vyp. 7, contains a preliminary report on fifteen species collected; vyp. 18, a list of eleven additional species. Includes description and biometrical analysis of the collection.

Copy seen: NN.

7865. **IUST, AR.** Perspektivy mestnoi prodovol'stvennoi bazy v Bol'shezemel'skoi tundre. (Sovetskii Sever, 1932. T. 4, no. 4, p. 75-80) **Title tr.:** Possibilities for a regional food base in Bol'shezemel'skaya Tundra.

Discussion of the potential reserves of raw materials in the region (roughly 66°30'-68°N. 55°-60°E.) based on observations of the Bol'shezemel'skaya Expedition of the All-Union Institute for Livestock Breeding in 1932. Remarks on the most northerly milk farm in the Pechora basin, located 90 km. from the river mouth, near Nyar'yamar saw mill.

Copy seen: DLC.

7866. **IUSTOV, N. L.** Gistologicheskie issledovaniia myshits severnogo olenia, porazennykh sarkotizozom. (Sovetskoe olenovedstvo, 1937. Vyp. 9, p. 115-18, illus.) **Title tr.:** Histological investigations of reindeer muscles infected with sarcocysts.

Evidence that sarcocysts do not affect reindeer muscles. Summary in English.

Copy seen: CaOA; DF.

7867. **IUVENAL'EV, I.** Aërosani. (Tekhnika-molodezhi, Dek. 1947. God 15, no. 12, p. 10-12, illus.) **Title tr.:** Aerosleigh.

Notes, illustrations and diagrams of motor-driven sleighs, beginning 1910. Translation in English is available at Intelligence Division, Wright-Patterson Air Force Base, Dayton, Ohio. MCISXD-1.

Copy seen: DLC.

7868. **IUZEFOVICH, A. N.** Dva tipa iakutskikh cherepov. (Antropologicheskii zhurnal, 1937, no. 2, p. 65-78, tables, plate) **Title tr.:** Two types of Yakut skulls.

Contains results of a study of 34 Yakut skulls, in comparison with anthropometrical data of various other authors. Bibliography (9 items).

Copy seen: DLC.

7869. **IUZEPCHUK, SERGEI VASIL'E-VICH.** K sistematike roda *Dryas* L. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1929. T. 28, vyp. 3-4, p. 306-27) **Title tr.:** On systematics of the genus *Dryas* L.

Contains a systematic study of the herbaceous genus *Dryas* L. with a key to the sections and series, and Latin diagnoses of eight new species including *D. punctata*, native to all arctic regions of the U.S.S.R., *D. viscosa* from Yakutia and *D. crenulata* from Yakutia and Kamchatka. Summary in German.

Copy seen: MH-A.

7870. **IUZEPCHUK, SERGEI VASIL'E-VICH.** Materialy po izucheniiu sibirskikh predstavitelei roda *Alchemilla* L. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Gerbarii im. P. N. Krylova. Sistematicheskie zametki, 1932, no. 5-6, p. 1-10) **Title tr.:** Materials for the study of Siberian representatives of the genus *Alchemilla* L.

Contains Latin diagnoses of eleven new species of *Alchemilla*, a genus of herbs, including *A. turuchanica*, found in Turukhansk region and in the islands of lower Yenisey River.

Copy seen: NNBG.

7871. **IUZEPCHUK, SERGEI VASIL'E-VICH.** Novyi vid driady. (Botanicheskii zhurnal, 1919. T. 4, no. 1-4, p. 18-25, illus.) **Title tr.:** A new species of *Dryas*.

Contains Latin diagnosis of *Dryas grandis* a new species of herbs, occurring in the Khatanga and Lena River basins; critical and historical notes on its systematics and detailed data on geographical distribution. Summary in Latin.

Copy seen: CU.

7872. **IUZHIN, DAVID EFREMOVICH.** S "Krasinym" na spasenie "Italii". Leningrad, Izd-vo "Krasnaia gazeta", 1928. 184, [2] p. illus., plates, 3 sketch maps. **Title tr.:** With the *Krasin* to save the *Italia*.

Narrative of the first expedition of the *Krasin* dispatched from Leningrad on June 15, 1928, to rescue the crew of the airship *Italia*, wrecked northeast of Svalbard. The author, a journalist who spent two months on board the ice-breaker, writes as an eye-witness, basing his account on his diary.

Copy seen: DLC.

IŪZHIN, DAVID EFREMOVICH, *see also* Lebedenko, A. G., & D. E. Iŭzhin. *Osada poliŭsa*. 1931.

7873. IVANŪK, V. V. Elektrooborudovanie l/p "Chelŭskin". (*In*: Shmidt, O. Iŭ., and I. A. Gakkel', editors. Nauchnye resul'taty rabot ėkspeditsii na "Chelŭskine" i v lagere Shmidta, 1938. v. 1, p. 227-28) **Title tr.**: Electrical equipment of the ice-breaker *Chelŭskin*.

A short description of electrical wiring and facilities. **Copy seen:** DLC.

7874. IVANŪK, V. V. Radiostantsiia i radiosvâz l/p "Chelŭskin". (*In*: Shmidt, O. Iŭ., and I. A. Gakkel', editors. Nauchnye resul'taty rabot ėkspeditsii na "Chelŭskine" i v lagere Shmidta, 1938. v. 1, p. 229-36, illus.) **Title tr.**: The radio station and radio communication on the ice-breaker *Chelŭskin*.

A short description of *Chelŭskin*'s radio equipment and its use during the voyage and under emergency conditions. **Copy seen:** DLC.

7875. IVANOV, A. A. V tundre ĭakutii. (Vsesoiŭznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 2, p. 209-215, illus.) **Title tr.**: In the Yakutian tundra.

Brief general description of conditions in the tundra with some information on post-war reindeer breeding, also on hunting and trapping, and agriculture. **Copy seen:** DLC.

7876. IANOV, A. I. Ptitsy ĭakutskogo okruga. Leningrad, 1929. 4 p. l., 206 p., illus., 3 plates, map. (Akademiia nauk SSSR. Komissii po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 25) **Title tr.**: Birds of the Yakutsk district.

List (with references to literature, notes on nesting habits, etc., and localities) of one hundred ninety-eight species based on earlier collections and (mainly) on those (of about four hundred specimens) made by the author in the central region of Yakutia (while he was with the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1925-26). Included is some discussion of the physical geography of the region, the vegetation and the distribution of birds in its various parts. Summary in English. **Copy seen:** DLC.

7877. IVANOV, A. P. Lednikovaiia i rechnaiia deiatel'nost' v basseine reki Rauchuvan (Bol'shoi Baranikhi). (Leningrad. Vsesoiŭznyĭ arkticheskii institut. Trudy, 1937. T. 90, p. 49-55, illus.) **Title tr.**: Geological action of glaciers and rivers in the basin of Rauchuvan River (Bol'shaya Baranikha).

Observations on land forms in the region of Rauchuvan River (flows north into East Siberian Sea at about 69°20'N. 166°20'E.), made during the Arctic Institute of U.S.S.R. Expedition 1933-34 to Anyuy Range in northern Kamchatskaya Oblast'. Summary in English. **Copy seen:** DLC.

7878. IVANOV, A. P. Novye dannye o geologicheskoi stroenii i poleznykh iskopaemykh Orul'ganskogo khrebt. (Problemy Arktiki, 1938, no. 4, p. 133-36, map, illus.) **Title tr.**: New data on the geological structure and mineral resources of the Orulgan Mountain Range.

Brief geological sketch and data on mineral resources of the region, based on work of the Arctic Institute Expedition in 1936-37, in the region of Yakut, A.S.S.R. lying between 67°-69°N. 128°30'E. **Copy seen:** DLC.

7879. IVANOV, A. P. Pribor dlia peregachki signalov vremeni na rasstoianie. (Leningrad. Vsesoiŭznyĭ arkticheskii institut. Trudy, 1937. T. 90, p. 17-20, illus.) **Title tr.**: Apparatus for time signal transmission on an extension.

The author describes his time transmitter, adapted to arctic conditions, and used for geodetic work by the Arctic Institute of U.S.S.R. Expedition to the Anyuy Range, 1933-34. Summary in English. **Copy seen:** DLC.

7880. IVANOV, B. Arkticheskoiu moreplavaniu—operativnuu ledovuui sluzhu. (Sovetskaiia Arktika, 1939, no. 2, p. 64-71, illus.) **Title tr.**: Operative ice service for arctic shipping.

Encouragement for establishing stations at key points in the Arctic, to undertake more practical work in ice forecasting. Analysis of the experimental work in ice information service at the Dikson Island polar station in 1937 and 1938 under the author's supervision. **Copy seen:** DLC.

7881. IVANOV, B. K. Predstoiashchei arkticheskoi navigatsii. (Sovetskaiia Arktika, 1939, no. 3, p. 37-43, illus.)

Title tr.: For the coming arctic navigation season.

Discussion of problems of the ice forecasting service for the Northern Sea Route.

Copy seen: DLC.

7882. IVANOV, B. O ledovoi sluzhbe v period navigatsii. (Sovetskaiâ Arktika, 1940, no. 1, p. 43-49, illus.) **Title tr.:** On ice service during the navigation season.

General discussion of the organization of forecasting service on the Northern Sea Route, illustrated by description of work at Dikson Island polar station during the navigation season of 1939.

Copy seen: DLC.

7883. IVANOV, B. Regulârnnye plananiâ v zimnikh usloviâkh. (Sovetskaiâ Arktika, 1940, no. 5, p. 70-75, illus.) **Title tr.:** Regular navigation under winter conditions.

Discussion of whether regular winter navigation is possible in the arctic seas, based on the experience of navigating operations of 1931-39, particularly of the ice-breaker, *Stalin*, engaged in the liberation of the *Sedov*, beset in ice in northern Greenland Sea, during the winter of 1940, under conditions of the arctic night.

Copy seen: DLC.

7884. IVANOV, B. G., and L. D. NIKOLAEVSKI. Vavleniâ izmenchivosti v organizme severnogo oleniâ po sezonam goda. (Sovetskoe olenevodstvo, 1936. Vyp. 7, p. 57-83, plates) **Title tr.:** Phenomena of seasonal variability in the reindeer organism.

A physiological study discussing seasonal changes observed in reindeer, descriptions of those changes in the structure of bones and various internal organs.

Copy seen: DLC.

7885. IVANOV, I. Z. The gases and sublimates of the satellite volcanoes of the Klûchevskoi volcano. (Academy of Sciences of the U.S.S.R. Kamchatka Volcanological Station. Bulletin, 1941. No. 9, p. 9-10)

English edition of his *Gazy i vozgony pobochnykh vulkanov Klûchevskoi sopki*, 1941, q.v.

Copy seen: DLC.

7886. IVANOV, I. Z. Gazy i temperatura fumarol Kirgurich, Tuila i Biokos'. (Akademiâ nauk SSSR. Kamchatskaiâ vulkanologicheskaiâ stantshiâ. Bûlleten', 1938. No. 3, p. 14-16, illus.) **Title tr.:** The gases and temperatures

of the fumaroles of Kirgurich, Tuila, and Biokos.

Record of temperatures taken during the months Jan.-Apr. 1937, of these volcanoes on Kamchatka Peninsula, with a preliminary analysis of gaseous products of the fumaroles of the crater of Tuila, taken in Nov. 1936.

Copy seen: DLC.

7887. IVANOV, I. Z. Gazy i vozgony pobochnykh vulkanov Klûchevskoi sopki. (Akademiâ nauk SSSR. Kamchatskaiâ vulkanologicheskaiâ stantshiâ. Bûlleten', 1941. No. 9, p. 9-10) **Title tr.:** The gases and sublimates of the satellite volcanoes of the Klûchevskoi volcano.

Information on temperatures and chemical composition of gases taken from four satellite craters of Klyuchevskaya Sopka (about 56°N. 161°E. on Kamchatka Peninsula).

Published also in English with title as above.

Copy seen: DLC.

7888. IVANOV, I. Z. An investigation of the gaseous products of the satellite volcanoes of the Klûchevskoi Volcano. (Academy of Sciences of the U.S.S.R. Kamchatka Volcanological Station. Bulletin, 1937, No. 1, p. 27-33, illus., diagrs.)

English edition of his *Issledovanie gazoobraznykh produktov pobochnykh vulkanov Klûchevskoi sopki*, 1937, q.v.

Copy seen: DLC.

7889. IVANOV, I. Z. Issledovanie gazoobraznykh produktov pobochnykh vulkanov Klûchevskoi sopki. (Akademiâ nauk SSSR. Kamchatskaiâ vulkanologicheskaiâ stantshiâ. Bûlleten', 1937. No. 1, p. 27-33, illus., diagr.) **Title tr.:** An investigation of the gaseous products of the satellite volcanoes of the Klûchevskoi Volcano.

A preliminary report on methods of taking samples of gases from secondary craters of the Klyuchevskaya Sopka, Kamchatka Peninsula, with tables giving data on their chemical composition.

Published also in English with title as above.

Copy seen: DLC.

7890. IVANOV, I. Z. Issledovanie gazoobraznykh produktov pobochnykh vulkanov Klûchevskoi sopki i Shivelucha. (Akademiâ nauk SSSR. Kamchatskaiâ vulkanologicheskaiâ stantshiâ. Bûlleten', 1938. No. 4, p. 13-18, illus.) **Title tr.:** A study of the gaseous products of

the satellite volcanoes of Klūchevskoi and Shiveluch.

A preliminary report on chemical analyses of gaseous products taken from several fumaroles of these volcanoes on Kamchatka Peninsula.

Published also in English with title as above.

Copied seen: DLC.

7891. IVANOV, I. Z. A study of the gaseous products of the satellite volcanoes of Klūchevskoi and Shiveluch. (Academy of Sciences of the U.S.S.R. Kamchatka Volcanological Station. Bulletin, 1938. No. 4, 13-18, illus.)

English edition of his *Issledovanie gazoobraznykh produktov pobochnykh vulkanov Klūchevskoi sopki i Shivelucha*, 1938, q.v.

Copied seen: DLC.

IVANOV, I. Z., see also Menšailov, A. A., & others. Nablūdeniia za deiatel'nost'iu vulkanov. 1938.

IVANOV, I. Z., see also Menšailov, A. A., & others. Observations of activities of volcanoes of Klūchi region. 1938.

IVANOV, I. Z., see also Popkov, V. F., & I. Z. Ivanov. Activity of Klūchevskoi Volcano. 1941.

IVANOV, I. Z., see also Popkov, V. F., & I. Z. Ivanov. Deiatel'nost' Klūchevskogo vulkana. 1941.

IVANOV, I. Z., see also Vlodavets, V. I., & others. Nablūdeniia za deiatel'nost'iu Klūchevskogo vulkana. 1937.

7892. IVANOV, IVAN MARKELLOVICH. Mestorozhdeniia iskopaemykh uglei na Zemle Frantsa Iosifa. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 15, p. 29-37, illus.) **Title tr.:** The coal deposits of Franz Josef Land.

Results of the author's prospecting for coal while on two dog sledge trips in March and April 1931, making a geodetic survey in the region of Nansen, Hooker, and Northbrook Islands, Queen Alexandra Land and Prince George Land. Includes columnar data on stratigraphy. Summary in English.

Copied seen: DLC.

7893. IVANOV, IVAN MARKELLOVICH. Muskusnyi byk i problema ego razvedeniia na sovetskom Severe. (Zemlevedenie, 1934. T. 36, vyp. 2, p. 201-205, table) **Title tr.:** Musk ox and problem of its breeding in the Soviet North.

Contains a detailed description of the animal—its appearance, habits, life and distribution in North America east of Mackenzie River to East Greenland between 55° and 81°N. Discussion on the value and usefulness of the musk ox, its advantages in comparison with reindeer. Author recommends introducing it into the Soviet North and indicates regions most suitable for musk ox breeding. Bibliography (7 items).

Copied seen: DLC.

7894. IVANOV, IVAN MARKELLOVICH. Novosibirskie ostrova. Arkhangel'sk, Severnoe kraevoe izd., 1935. 66 p. illus. fold. map. **Title tr.:** New Siberian Islands.

Survey of the New Siberian Islands based on published materials: a history of the discovery and exploration of the islands; description of their geography, climate, geology (fossil glaciers), vegetation and wildlife; information on population and economic conditions. Bibliography (over 90 items).

Map: New Siberian Islands, scale 1:2,000,000.

Copied seen: DLC.

7895. IVANOV, IVAN MARKELLOVICH. O pochvennykh obrazovaniakh lediānoi zony. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1933. T. 12, p. 183-202, illus., tables) **Title tr.:** On soil formations of the ice zone.

A general discussion on the process of soil formation and on types of soil in the Arctic.

Copied seen: DLC.

7896. IVANOV, IVAN MARKELLOVICH. O pochvennykh obrazovaniakh v Arktike. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1931. Vyp. 49, p. 140-55, illus., tables, diagrs.) **Title tr.:** On soil formations in the Arctic.

A study of soil formation in the Arctic, groups of soils, temperatures, moisture and some chemical characteristics based on field studies and investigation of soil samples taken in Franz Josef Land in 1929 (by the Sedov expedition) and northern Svalbard, 1928 by the Krasin expedition. Summary in German.

Copied seen: DLC.

7897. IVANOV, IVAN MARKELLOVICH. Shpit'sbergen. Arkhangel'sk, Sevkraigiz, 1934. 75 [1] p. illus. tables, sketch maps, 2 fold. maps. **Title tr.:** Spitsbergen.

Popular scientific description of Svalbard; a short history of the discovery and explorations of the archipelago; geography and geology, climate, vegetation, wildlife, and coal mines, particularly of West Spitsbergen. Information on the population and living conditions, especially of the Russian coal mine section. Bibliography (76 items).

Maps: Svalbard, scale approx. 1:300,000, and geological map of Svalbard, scale approx. 1:2,500,000.

Copy seen: DLC.

7898. IVANOV, IVAN MARKELLOVICH. Shpitsbergen. Vtoroe ispravlennoe i dopolnennoe izdanie. Arkhangel'sk, Severnoe kraevoe izd-vo, 1935. 111 [1] p., illus., maps (part fold.) *Title tr.:* Spitsbergen. Second enlarged and corrected edition.

A description of Svalbard, its history, physical geography, climate, flora and fauna, ice conditions in Svalbard waters and navigation. Contains also information on the geological structure and special chapters on Soviet coal mines on West Spitsbergen, water supply of coal mines, and on the population of the Russian mining section. Annotated bibliography, p. 106-111.

Copy seen: DLC.

7899. IVANOV, IVAN MARKELLOVICH, and I. A. SOPIN. Ostrov Kolguev. (Zemlevedenie, 1933. T. 35, vyp. 4, p. 357-61) *Title tr.:* Kolguyev Island.

Physical geographic description of the island (69°05'N. 49°15'E.) with mention of geologic structure and vegetation, showing throughout relationship to Malozemel'skaya Tundra (66°30'-68°N. 55°-60°E.) on the adjacent mainland. Bibliography (38 items).

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IVANOV, IVAN MARKELLOVICH, see also Samoilovich, R. L., & I. M. Ivanov. Nekotorye dannye po geologii. 1931.

IVANOV, IVAN MARKELLOVICH, see also Savich, L. I. Mkhii Zemli Frantsa-Iosifa. 1932.

IVANOV, IVAN MARKELLOVICH, see also Savich, V. P. Lishainiki, sobrannye Ivansvym. 1932.

IVANOV, IVAN MARKELLOVICH, see also Vlodavets, V. I. K. petrografii o-va Gukera. 1934.

IVANOV, IVAN NIKIFOROVICH, see Sk., Al. Opis' beregov Siver'nago okeana. 1847.

IVANOV, IVAN NIKIFOROVICH, see also Zhitkov, B. M. Poluostrov. 1913.

7900. IVANOV, M. Kamchatskaia gidrometsluzhba za piat' let. (Meteorologiya i gidrologiya, 1939. No. 9, p. 118-20) *Title tr.:* Kamchatka Hydro-Meteorological Service for five years.

Sketch of the Hydrometeorological Service on Kamchatka Peninsula from the time of its organization in 1934 to 1939.

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7901. IVANOV, S. I. Ocherednye zadachi seismorazvedki. (Problemy Arktiki, 1940, no. 4, p. 70-80) *Title tr.:* Recent problems in seismographic exploration.

Discussion of difficulties encountered in seismographic explorations in permafrost regions and the necessity for using special equipment adapted to conditions in the far North.

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7902. IVANOV, S. V. Aleut hunting headgear and its ornamentation. (International Congress of Americanists. 23rd. New York, 1928. Proceedings. New York, 1930. p. 477-504. 9 plates (1 fold.))

Describes and discusses the highly-prized cone-shaped wooden hats and wooden visors formerly worn by the Aleuts while hunting sea game. Includes consideration of form; ornamentation with carved bone and ivory, seal whiskers, feathers, beads, and elaborate paintings of hunting scenes, mythological monsters, and geometrical patterns; practical and magical functions; evolution; and comparisons with headgear of the Eskimos of southwestern Alaska and the Indians of the northwest coast of America. Plates show hats contained in the Russian museums, the material upon which the present paper is based.

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7903. IVANOV, S. V. Ornamentika, religioznye predstavleniia i obriady, sviazannye s amurskoi lodkoii. (Sovetskaiia etnografiia, 1935. Vyp. 4-5, p. 62-84, 7 illus.) *Title tr.:* Ornamentation, religious concepts and customs connected with Amur river boats.

Contains scattered references to the ornamentation and customs connected with the boat among the Gilyaks and other Siberian tribes and discusses such subjects as the use of the boat in marriage and burial, in fishing, sea-animal hunting and races, as well as the shape, decoration and religious significance of the boat.

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7904. IVANOV, S. V. Ornamentirovannye kukly ol'chei. (Sovetskaiâ ètnografiâ, 1936. Vyp. 6, p. 50-69, 5 illus. 4 tables) *Title tr.:* Ornamental dolls of the Ol'chi.

Contains detailed descriptions of the richly ornamented dolls used by the Ol'chi, a group of Tungus of the lower Amur region. Valuable interpretations of various decorative motives are given, along with a linguistic analysis of the terminology used. A considerable amount of comparative data is included.

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7905. IVANOV, S. V. Pamiâti V. G. Bogoraza. (Sovetskaiâ ètnografiâ, 1946, vyp. 3, p. 3-8, plate (port.)) *Title tr.:* In memoriam: V. G. Bogoraz.

Contains a short biography of this writer, a political exile, then a leading Russian ethnographer, Vladimir Germanovich Bogoraz, 1860-1936, who used the pen name of N. A. Tan for his non-scientific works. The article recalls the most important dates and events in Bogoraz's life, before and after the Revolution, and his cooperation with American anthropologists; and briefly surveys his most important works, many of which have been published in English.

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7906. IVANOV, S. V. Sibirskie paralleli k magicheskim izobrazheniâim iz èpokhi paleolita. (Sovetskaiâ ètnografiâ, 1934, vyp. 4, p. 91-101) *Title tr.:* Siberian parallels with magical representations of the paleolithic period.

Contains comparative material from the beliefs and hunting customs of the Tawgis (a Samoyed group), Dolgans, Yakuts, Tungus, and others, which shows parallels with the Paleolithic remains in western Europe.

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IVANOV, S. V., *see also* Shternberg, L. Ia., & S. V. Ivanov. Ornament iz olen'ego volosa. 1931.

IVANOV, V. K., *see* Leont'eva, E. A., & V. K. Ivanov. Klimaticheskaiâ kharakteristika Ob'-Eniseiskogo raiona. 1939.

7907. IVANOV-DIATLOV, F. G. Na-blûdeniâ vracha na Kol'skom poluostr'ove. Leningrad, Izd. Gos. russkogo geog. ob-va, 1928. 126 p., illus., map, tables. *Title tr.:* Observations of a physician on Kola Peninsula.

Description of mode of life and health conditions of Lapps and Izhemtzy (a Zyryan group), based on the author's investigations during the anthropological and ethnographical expedition of Jan. 11-May 11, 1927, under the leadership of Zolotarev. Includes brief general sketch of the eastern section of Kola Peninsula; settlements investigated by the party; housing conditions (type of construction, furniture, sanitary conditions, lighting and heating); food and methods of its preparation; clothing; hygiene and dwellings; occupations; games and customs; diseases, medical and veterinary care. Tables include (p. 76-79) budgets in roubles and working hours. Summary in French. *Copy seen:* DLC.

7908. IVANOVA, EVGENIÂ NIKO-LAEVNA, and N. A. KOPOSOV. Pochvy Khibinskikh tundr. Chast' 2. Moskva, Leningrad, 1937. 76 [1] p. illus., fold. map, tables. (Akademiâ nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy. Seriâ Kol'skaiâ, vyp. 13) *Title tr.:* Soils of the Khibina Tundras, part 2.

Based on investigations of a party of the Kola Expedition of the Academy of Sciences, U.S.S.R., in 1933-34.

Contents: Physico-geographic conditions: geological structure, climate. Soils: short history of investigation of soils of Kola Peninsula, factors of soil formation, their types and description.

The section on climate (p. 9-13) indicates that owing to the influence of the Gulf Stream there is a gradual decrease in both temperature and precipitation amounts from west to east; snow cover over the Khibiny is probably higher than in other tundra areas of the European U.S.S.R. Bibliography (108 items).

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7909. IVANOVA, M., and others. Litoral' i sublitoral' Bol'shogo Olen'ego ostrova (v Kol'skom zalive). (Leningradskoe obshchestvo estestvoispytate-

lei. Trudy, 1924. T. 53, vyp. 3, p. 113-37, text map) *Other authors:* P. V. Ushakov, V. Mikhin, and N. Deriugina. *Title tr.:* Littoral and sublittoral of Bol'shoy Oleniy Island in Kola Bay.

Contains a general geographic survey of Bol'shoy Oleniy Island in Kola Bay (69°13'N. 33°29'E.) description of littoral and sublittoral zones, typical facies and biocoenoses of these zones and their subdivisions; a systematic list of about two hundred marine animals with tabulated data on zones, facies, biocoenoses and depth levels; based on a faunal study carried out, in the summer of 1921, by a group of students, members of the Northern Expedition of Prof. K. M. Deriugin. Summary in French.

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7910. IVANOVA-DRURI, S. M. Razvitiye tsel'at-oleni v usloviakh Kol'skogo poluostrova. (Leningrad, Nauchno-issledovatel'skii institut pol'arnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Trudy. Ser. Olenevodstvo, 1938. Vyp. 3, p. 163-210, tables, diagrs.) *Title tr.:* The development of reindeer fawns in the conditions of the Kola Peninsula.

Data collected on Murmansk Experimental Reindeer Farm of the Leningrad Arctic Institute; with list of twenty-four kolkhoses and sovkhoses, p. 172; tables and diagrams for weights and measures. Summary in English.

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7911. IVANOVSKII, A. A. Ob antropologicheskoi izuchenii inorodcheskogo naseleniia Rossii. (Russkii antropologicheskii zhurnal, 1902. T. 3, no. 1 (kn. 9), p. 112-34) *Title tr.:* On the anthropologic study of the native population of Russia.

Contains a general survey of the work done in Russia on physical anthropology, mainly by the outstanding specialists; arranged according to the 107 ethnic groups. Bibliography (16 pages).

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7912. IVANOVSKII, A. A. Opyt antropologicheskoi klassifikatsii naseleniia Rossii. (Russkii antropologicheskii zhurnal, 1903. T. 4, no. 3-4 (kn. 7-8), p. 107-65, 3 maps, tables) *Title tr.:* An anthropological classification of the population of Russia.

Contains material on the physical anthropology of the major ethnic groups in Russia, arranged comparatively. The distribution of the occurrence of the principal features is given in maps and numerous tables. Includes data on the Voguls, Zyryans, Lapps, Ostyaks, Tungus, Samoyeds, Chukchis and Yakuts.

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7913. IVANOVSKII, A. A. Surgutskie ostiaki. (Russkii antropologicheskii zhurnal, 1905. T. 6, no. 3-4 (kn. 23-24), p. 167-97, tables) *Title tr.:* The Surgut Ostyaks.

Contains a short historical account of the Ostyaks and summary of previous investigations on their origin and cultural affiliations; discussion of their physical characteristics, and a series of tables of detailed anthropometric data obtained by S. M. Chugunov in 1890 in the Surgut (61°15'N. 73°25'E.) region, on over 100 living Ostyaks and 25 skulls.

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7914. IVANYCHUK, M. M. Zametka po kartografii Zemli Frantsa-Iosifa: Komsomol'skie ostrova. (Arctica, 1934. No. 2, p. 97-99, map) *Title tr.:* A note on the cartography of Franz Josef Land; Komsomol Islands.

A visual survey sketch of the Komsomol Islands, (80°34'30"-80°40'N. 50°42'30"-59°03'30"E.) visited and named by the author in 1932.

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7915. IVERSEN, JOHANNES. Nordboernes undergang paa Grønland i geologisk belysning. (Grønlandske selskab. Aarsskrift, 1935. p. 5-18, illus. diagrs.) *Title tr.:* The destruction of the Norsemen in the light of geology.

Offers hypothetical solution of the destruction of the Norsemen in Greenland, based on observation of the destruction of vegetation by larvae in 1932; also estimates summer temperatures for the past thousand years, and other changes in climate by means of geological and botanical investigations and analyses of dust particles and pollen, found in bog and sea secretions at Ujaragssuit and Kilarsarfik, West Greenland.

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7916. IVERSEN, THOR, 1873-. Drivis og selfangst. Bergen, J. Grieg, 1928. 83 [1] p. illus., tables, 2 sketch

maps. (Årsberetning vedkommende Norges fiskerier, 1927. Nr. 2) *Title tr.*: Drift ice and sealing.

Contains notes on species of seals and their breeding grounds and localities of young, in the waters of Denmark Strait, Greenland, and Barents Seas, including the mouth of the White Sea; the development (with statistics) of sealing in the drift ice of the seas mentioned, from the middle of the nineteenth century through 1926.

Description of the drift ice in the mouth of the White Sea (with charts), and a full discussion of sealing methods and organization.

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7917. IVERSEN, THOR, 1873- . Fangst og fiske i våre polare farvann. Polar-årboken, 1938. p. 49-64, illus.) *Title tr.*: Hunting and fishing in our arctic waters.

Notes whale, seal and walrus hunting, by Norwegians in waters from West Spitsbergen to Jan Mayen and Greenland; distribution of sealing fields; biological importance of the discovery of new breeding places; the Greenland shark; its distribution, and its fishery; fishery investigations conducted by various nations in arctic waters; cod fishery; influence of ocean floor temperature on cod, halibut, etc.; fishery stations; vessels and their equipment, etc. Includes statistical and other data.

Copy seen: NN.

7918. IVERSEN, THOR, 1873- . Fiskeforsøg i Finnmarkshavet sommeren 1905-1906. (Norway. Norges fiskeridirektøren. Årsberetning vedkommende Norges fiskerier, 1905, pub. 1906. p. 343-420, 4 fold. charts; 1907, pub. 1908, p. 309-50) *Title tr.*: Fisheries in Finnmark seas, summer 1905-1906.

Contains report of catch of about nine vessels in the Greenland and Barents Seas north of the Scandinavian, Finland and Murman coasts, with charts showing locations of the stations quoted for 1905.

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7919. IVERSEN, THOR, 1873- , and others. Hopen (Hope Island), Svalbard, results of a reconnaissance in the summer 1924. Oslo, J. Dybwad, 1926. 44 p. illus. (map, photos., tables,

diagrs.) 10 plates (map). (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 10)

Contents: Iversen, T. Précis of visits to Hope Island, results, and list of geographic names.

Contributions to the natural history: Werenskiöld, W. Physical geography and geology; coal deposits.

Lid, J. Flowering plants.

Jørgensen, E. Mosses.

Lynge, B. Lichens.

Hoeg, O. A. Fossil plants.

Bodylevsky, V. Fossil shells.

Caspersen, B. Determination of position.

Bibliography.

Appendix: List of soundings made on the *Blaafjæld*, 1923, and *Tovik*, 1924 (off Spitsbergen, Hopen, Franz Josef Land).

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7920. IVERSEN, THOR, 1873- . Ishavsøya Hopen. Bergen, J. Grieg, 1941. 54 [1] p. illus. (incl. 2 sketch maps), fold. map. (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 6, no. 6) *Title tr.*: Arctic Hope Island.

The author visited the island in 1924, 1929 and 1930, on Norwegian fishery investigations. He gives here remarks on a new sketch map based on his observations, notes on the discovery of the island, its early whaling and fishing, present conditions of the fishery, and the animals which frequent the island. Summary in English, p. 50-54.

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7921. IVERSEN, THOR, 1873- . Nogen iakttagelser over fiskeyngel i trålfangster i Barentshavet. Bergen, J. Grieg, 1933. 12 p. diagrs. (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 4, no. 5) *Title tr.*: Some observations on small fish (fry) in Barents Sea trawls.

Contains results of investigations on the number of small-sized cod and haddock caught at four stations: Bear Island Bank, central part of the sea, (Skolpen Bank), Finnmark Bank, and off Cape Kanin. Recommendations for limitation of mesh size in order to conserve these fish. Summary in English, p. 11-12.

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7922. IVERSEN, THOR, 1873- . Some observations on cod in northern waters. Preliminary report. Bergen, J. Grieg, 1934. 33 p. incl. charts, tables, diagrs. (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 4, no. 8)

Contains results of investigations on size and sexual maturity of the cod in the Bear Island area, Hope Island area, West Spitsbergen area (bank and coastal waters along the west and north coast) and Cape Kanin area, with discussion of hydrographic relationships.

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7923. IVERSEN, THOR, 1873- . Sydøstgrønland Jan Mayen. Fiskeriundersøkelser. Bergen, J. Grieg, 1936. 171 p. incl. charts, tables, diagrs. illus., 8 fold. charts. (Norway. Fiskeridirektoratet. Skrifter; ser. havundersøkelser. Report on Norwegian fishery and marine investigations. v. 5, no. 1) *Title tr.*: Southeastern Greenland. Jan Mayen. Fishery research.

Report of investigations made by several fishing vessels off the Greenland coast, Cape Farewell to Scoresby Sound, 1931-33, and at Jan Mayen, 1930-33. Information on depths, currents and ice conditions, the fishery stations and experiments in the waters of East Greenland, with descriptions of the coastal strip and land features, remarks on hydrography of Denmark Strait, and a journal of catches.

For Jan Mayen, a description of the physical features of the island, with mention of birds, bathymetric details (with charts) of Jan Mayen Bank, temperature and salinity data for its waters, and report (with journal of catches) on the fisheries research.

Copied seen: DF.

IVERSEN, THOR, 1873- , *see also* Hjort, J. & others. Oversigt norsk fiskeri, 1900-1908. 1909.

7924. IVES, JAMES EDMUND, 1865- . Echinoderms and crustaceans collected by the West Greenland Expedition of 1891. (Academy of Natural Sciences of Philadelphia. Proceedings, 1891. p. 479-81)

List, giving depth of the dredgings, of six echinoderms and six crustaceans collected (largely) at McCormick Bay on Inglefield Gulf (77°40'N. 71°W.), with one of each group from Disko

Bay results of the Academy's expedition under Peary.

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7925. IVINA, M. Sangar-Khafa. (Sovetskaya Arktika, 1940, no. 6, p. 70-73, illus.) *Title tr.*: Sangar-Khaya.

Development of the settlement at Sangar-Khaya (63°49'N. 127°50'E. in Yakut A.S.S.R.) and coal mining there after 1929.

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7926. IVITSKII, S. Rabota aerometantaili i glavneishee ispol'zovanie ikh nabliudenii. (Klimat i pogoda, 1929. No. 5-6 (26-27), p. 160-63, illus.) *Title tr.*: Aerometeorological stations and the chief importance of their observations.

The equipment of the aerological station, at Verkhoyansk is illustrated. Method of observing and communicating the results of upper wind observations to forecast centers is discussed.

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7927. IZUCHAITE MERZLOTU. (Moskva). Obshchestvo izucheniia Urala, Sibiri i Dal'nago Vostoka, 1929. 11 p. *Title tr.*: Study permafrost.

Contains a short statement on the nature of permafrost, list of 24 questions designed to enable the untrained observer to supply pertinent information on freezing and thawing of the ground, occurrence of naled', fossil remains preserved in permafrost, observed effect of these phenomena on human activity. A series of explanatory statements pertaining to the individual questions is added.

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7928. JACHOWSKI, LEO A., Jr., and CARLOS SCHULTZ. Notes on the biology and control of mosquitoes at Umiat, Alaska. (Mosquito news, Dec. 1948, v. 8, p. 155-65, illus., sketch map, diagrs.)

Based on studies made at camp on the north bank of the Colville River, Umiat, 69°24'N. 152°8'W., during the summer of 1947, by U. S. Navy personnel. Notes on topography and weather and a report of laboratory and field data on larvae habitats, life histories, and control, with mention of equipment and program of hand and aerial spraying.

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7929. JACKSON, A. D. Jr. Airship possibilities in the polar regions. Los Angeles, 1946. 3 p. 2 fold. maps.

Issued by the Institute of Navigation, Los Angeles. Technical Development Committee for Air, this is a preprint of a "paper delivered 19 December 1946, at the Polar Navigation Subcommittee Symposium held at the American Museum of Natural History, New York City, N. Y." It contains brief and general discussion of the advantages of rigid airships in the Arctic to guide, rescue and service the air traveler.

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7930. JACKSON, A. RANDELL. Notes on arctic spiders obtained in 1933. (Annals and magazine of natural history, Dec. 1934. Ser. 10, v. 4, p. 611-20, plate)

Contents: 1. List of spiders collected by Mr. David Lack, a member of the Cambridge University Expedition to East Greenland in August 1933. (Field notes on thirteen species, from Jame-son and Liverpool Lands, with full description of one new species)

2. An account of some spiders taken by the Oxford University Expedition to West Spitsbergen in 1933, and by Mr. N. V. Polunin at Bellsund in August 1933. (Field notes on six species (one new) and a discussion of the transport of a spider by a fulmar).

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7931. JACKSON, A. RANDELL. Notes on arctic spiders obtained in 1933-1936. (Zoological Society of London. Proceedings, 1937, *pub.* 1938. v. 107, ser. B, p. 543-51)

Based on collections of the Oxford University Expeditions to Spitsbergen 1933, to West Greenland and Baffin Island 1934, to Ellesmere Island 1935, to Northeast Land 1935 and 1936, and to West Greenland 1936 (also on Iceland collections), these notes comprise lists of all species for each expedition, description of a new species from West Greenland, and a bibliography (8 items).

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7932. JACKSON, A. RANDELL. On a collection of spiders made in 1928 by Dr. Sig Thor in Spitsbergen. (Norsk entomologisk tidsskrift, 1934. Bd. 3, p. 332-56, plate)

Besides the collection of Sig Thor, the author reports on three species collected by the Cambridge Expedition

to Edge Island, 1927. He gives an annotated list, with localities and dates, of thirteen (including with description, one new) species and two new varieties, of which three are new to Spitsbergen; some general notes on spiders of the Arctic and discussion of distribution on West Spitsbergen and elsewhere in the Arctic; bibliography (35 items).

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7933. JACKSON, A. RANDELL. On the spiders captured by Mr. C. S. Elton at Spitsbergen and Bear Island in 1921. Results of the Oxford University Expedition to Spitsbergen. No. 5. (Annals and magazine of natural history, Feb. 1922. Ser. 9, v. 9, p. 163-69, illus.) Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 21.

List, with notes on distribution and localities, of eight (including, with description, one new) species, one of which was found on Bear Island, and mention of two additional spiders recorded previously, with a bibliography.

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7934. JACKSON, A. RANDELL. On the spiders of Spitsbergen. Results of the Merton College Expedition to Spitsbergen in 1923. No. 1. (Annals and magazine of natural history, Jan. 1924. Ser. 9, v. 13, p. 77-79) Issued also as Oxford University, *Spitsbergen papers*, 1929. v. 2, no. 17.

List of seven species, with notes on localities in West Spitsbergen and Northeast Land, and mention of two additional species known to the region but not found in 1923.

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7935. JACKSON, A. RANDELL. On the third collection of spiders captured by Mr. C. S. Elton in Spitsbergen. Results of the Oxford University Arctic Expedition, 1924. (Annals and magazine of natural history, May 1925. Ser. 9, v. 15, p. 536-37) Issued also as Oxford University, *Spitsbergen papers*, 1929. v. 2, no. 18.

List of six species, with mention of the ten spiders known from the region.

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7936. JACKSON, A. RANDELL. Results of the Oxford University Expedition to Akpatok in 1931: Araneae. (Zoological Society of London. Proceedings, 1933. p. 145-59, 2 plates)

Annotated list of nineteen (including with descriptions, three new) species of spiders collected on this island (60°20'N. 68°W.) in Ungava Bay, a discussion of their distribution, and a bibliography (30 items).

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7937. JACKSON, A. RANDELL. Results of the Oxford University Expedition to Greenland, 1928. Araneae and Opiliones collected by Major R. W. G. Hingston; with notes on Icelandic spiders. (Annals and magazine of natural history, Dec. 1930, Ser. 10, v. 6, p. 39-56, plate) Issued also as Oxford University Exploration Club, *Greenland and Spitsbergen papers*, 1934, no. 19.

Contains a list, with notes on distribution, of twenty (including, with description, one new) species collected in the Godthaab region; a list of the forty-six species of spiders recorded from Greenland; a note on Icelandic spiders with a list of the thirty-nine species recorded; and a bibliography.

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7938. JACKSON, A. ALEXANDER YOUNG, 1882- . Banting as an artist, by A. Y. Jackson, with a memoir by Frederick W. W. Hipwell. Toronto, Ryerson Press, 1943. 37, [1] p., 1. incl. front. (port.) illus. 18½ x 14 cm. (The Canadian art series)

Outline of Dr. Banting's life and avocation, with list of his paintings, etc., and some reproductions. Includes record of his sketching in the Canadian Eastern Arctic on the cruise of the *Beothic*, 1927, and in the Great Slave Lake region. *Copy seen:* DLC.

7939. JACKSON, A. ALEXANDER YOUNG, 1882- . The far North; a book of drawings by A. Y. Jackson, with an introduction by Dr. F. G. Banting, and descriptive notes by the artist. Toronto, Rous & Mann Ltd. [1927?] [11] p. illus. (incl. sketch map), 17 plates. "First edition of one thousand copies of which fifty, edition de luxe, are printed on *Carlyle japan* and signed by the author."

Black-and-white reproductions of drawings from sketches made by Jackson during a cruise of the *Beothic* in summer 1927. Includes land- and sea-scapes and scenes of Eskimo life, sketched along the ship's course to Godhavn, westward through Lancaster

Sound and return, northward to Etah and Bache Peninsula, then southward; calling at Royal Canadian Mounted Police posts on North Devon, Ellesmere and Baffin Islands, Ungava and Labrador Peninsulas. *Copy seen:* NN.

7940. JACKSON, FREDERICK GEORGE, 1860-1938. The great frozen land (Bolshaia zemelskija tundra) narrative of a winter journey across the tundras and a sojourn among the Samoyads, by Frederick George Jackson. Ed. from his journals by Arthur Montefiore. London and New York, Macmillan & Co., 1895. xviii, 297 p. incl. front., illus. 3 fold. maps.

In the fall of 1893 the author went to Vaygach Island, explored it and spent a year living and traveling among the Samoyeds using reindeer and ponies for sledge hauls. He traversed the arctic coast from Vaygach to the Pechora; ascended that river to Ust Tsilma; traveled westward to the Mezen, thence via the Pinega to Archangel, thence eastward around the White Sea, and north across the Kola Peninsula to Varanger Fiord. This journey was undertaken to learn winter travel methods and gather information from the natives, in preparation for the author's Franz Josef Land expedition begun later in the year 1894.

This narrative gives an account of the journey; notes on iceblink and ice in Barents Sea, the tundra, the Samoyeds' appearance, ways of life, language, folk-tales, character, food, travel methods, beliefs and diseases; remarks on the natural history, weather, rivers, and camping; and on the Lapps' costume, deer and sledge; also notes on scurvy and frostbite.

Appendices: A. Jeaffreson, J. R. Notes on the ornithological results of Mr. Jackson's journey.

B. Weather observations, Sept. 1893-Jan. 1894, including twice-daily barometer, maximum and minimum temperature, and wind direction.

C. Topographical notes to accompany the map of the Great Tundra.

D. The Jackson-Harmsworth Polar Expedition: its object, method, and equipment. *Copy seen:* DLC; NNStef.

7941. JACKSON, FREDERICK GEORGE, 1860-1938. The Jackson-Harmsworth polar expedition. (Geographical journal, Aug. 1894. v. 4, p. 141-47)

Paper read at the Royal Geographical Society, June 1894, describing the plans, routes, outfit, equipment, food, and the ship, *Windward*, which transported the party to Franz Josef Land.

Copy seen: DLC.

7942. JACKSON, FREDERICK GEORGE, 1860-1938. The lure of unknown lands; North Pole and Equator. London, G. Bell and Sons, Ltd., 1935. xii, 342 p. front., plates, ports., fold. maps.

Autobiography of the explorer of Franz Josef Land who spent three years there, 1894-97, as leader of the Jackson-Harmsworth Expedition.

Copy seen: DLC; NNSStef.

7943. JACKSON, FREDERICK GEORGE, 1860-1938. A thousand days in the Arctic, by Frederick G. Jackson . . . with preface by Admiral Sir F. Leopold McClintock . . . Illustrated from photographs by the author and drawings by R. W. Macbeth, Clifford Carleton, Harry C. Edwards, E. F. W. Frohawk . . . with five original maps. New York and London, Harper & Brothers, 1899. xxiii, 940 p. incl. front., illus., port. 15 plates (1 fold.) port., 5 fold. maps.

Narrative of the Jackson-Harmsworth Expedition, financed by Alfred C. Harmsworth, organized and equipped by Montefiore Brice, and led by Jackson. The expedition sailed in the *Windward* to Franz Josef Land, established winter quarters at Cape Flora, Northbrook Island, Sept. 1894, and remained for three years. When the ship supplied this base in July 1896, F. Nansen and F. H. Johansen (passing through the camp from the *Fram* expedition) sailed home with her to Norway. In the summer of 1897 the vessel called and took the expedition home. Throughout this period the party made sledge journeys in the archipelago, surveyed, made scientific collections, and kept a meteorological record.

The author's journal (p. 5-775) records day by day, July 12, 1894-Sept. 3, 1897, the course and events of the expedition, describes in detail the hunting, weather, ice conditions, the polar night and its effects, pony and dog sledging, the terrain, health, food, etc. Includes a chapter on scurvy, p. 776-85.

Appendices (17 in all) give data on birds and eggs, botany, geology, fossils,

declination, soil and fresh-water temperatures, tides, wind, weather, geographical positions, and meteorological tables (monthly résumé of Cape Flora observations. Sept. 1894-Sept. 1896, and a daily journal of weather, ice conditions and auroral observations, p. 818-62).

Maps: one shows Franz Josef Land as known in 1894, and four show results of explorations in western Franz Josef Land, 1894-97.

Copy seen: DLC; NNSStef.

7944. JACKSON, FREDERICK GEORGE, 1860-1938, and others. Three years' exploration in Franz Josef Land. (Geographical journal, Feb. 1898. v. 11, p. 113-38, illus., fold. map)

Account, by the leader, of the Jackson-Harmsworth Expedition to Franz Josef Land, 1894-97; life at the base camp (a log hut built at Archangel for the purpose) on Cape Flora, the sledge trips (using Russian ponies as well as dogs), the explorations, surveying and scientific work carried out.

Appendix (general statements without data): Armitage, Lt. Meteorological, magnetic, and astronomical observations.

Koettlitz, R. Brief sketch of the geology.

Fisher, H. Flora of Franz Josef Archipelago.

Bruce, W. S. The zoology of the expedition.

Copy seen: DLC.

7945. JACKSON, HARTLEY HARRAD THOMPSON, 1881- , and others, comp. Literature on the natural history of the arctic region with special reference to Alaska and Canada. Washington, 1949. 48 p. process print. (U. S. Fish and Wildlife Service. Wildlife leaflet, 317) *Other compilers:* E. M. Charters, A. J. Duvall, and S. F. Hildebrand.

A list compiled during World War II for use by various government agencies, of the more important publications relating "more specifically to the vertebrates," and not including botanical publications. It contains nearly four hundred references to papers in journals and to books and sections of books published in the 19th and 20th centuries, with data on the occurrence of birds, mammals and fishes of Canada and Alaska.

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7946. JACKSON, J. R. On ground-ice in the Siberian rivers. (Royal Geographical Society. Journal, 1836. v. 6, p. 416-18)

Contains discussion of the occurrence and mode of formation of anchor ice.

Copy seen: DLC.

7947. JACKSON, NAOMI. With the "doctor boat" along the Greenland coast. (Geographical review, Oct. 1943, v. 33, p. 545-68, 2 maps)

Description, by a Canadian artist, of the landscape, coastal waters, Eskimos and their homes, clothes, settlements, etc., in the Godthaab District of West Greenland; with emphasis on the medical service maintained for the Greenlanders, and on their health, and fisheries. Illustrated with reproductions of photographs and of the author's paintings.

A loan collection of the author's paintings is in the Arctic Institute of North America, Montreal.

Copy seen: DLC.

7948. JACKSON, R. M. A traverse from Ice Fiord to Wijde Bay, Spitsbergen. (Geographical journal, Sept. 1931. v. 78, p. 277-83, 4 plates, sketch map).

Account of journeys by foot across the glacier during the Cambridge Spitsbergen Expedition, 1930, which had as its purpose the mapping of the Mittag-Leffler Glacier, and exploration of its branches.

Copy seen: DLC.

7949. JACKSON, SHELDON, 1834-1909. Alaska, and missions on the North Pacific coast. New York, Dodd, Mead & Co. [c1880] ix, [13]-327 p. incl. illus., 34 plates, incl. ports. fold. map.

Contains brief description of the physical features of Alaska; notes on population and tribes of Indians, on their religious beliefs, customs, and the status of women. Includes history of early missions, especially in southeast Alaska.

Copy seen: DLC; NNSf.

JACKSON, SHELDON, 1834-1909, *see also* U. S. Bureau of Education. Annual report on reindeer in Alaska, 1890-1906, 1891-1908.

JACKSON, SHELDON, 1834-1909, *see also* U. S. Congress. House. Committee on Military Affairs. Relief of people, Yukon R. country. 1899.

JACKSON, SHELDON, 1834-1909, *see also* Wells, R., & J. W. Kelly. English-Eskimo vocabularies & ethnographical memoranda. 1890.

7950. JACKSON, VINCENT WILLIAM, 1886-. Fur and game resources of Manitoba. Winnipeg, Industrial Development Board of Manitoba, 1926. 55 p. 10 plates (incl. map) tables, 7 sketch maps. diagrs.

Contains description of distribution, faunal areas and species of fur-bearing animals, a history and present-day survey of the fur industry (statistics, 1914-25), and a summary of game preserves, sanctuaries and laws pertaining to animals and birds; with a bibliography (29 items).

Copy seen: DF.

7951. JACKSON, W. E. W. Magnetic observations in the Hudson Bay and Straits region. (Royal Society of Canada. Transactions, 1913. Ser. 3, v. 7, sec. 3, p. 3-13, tables)

Results of a survey made by the Canadian Meteorological and Magnetic Service (from C.G.S. *Arctic*, and directed by the author) for the Canadian Naval Service, 1912, to bring magnetic values up to date for correction of navigation charts to be used on the Hudson Bay Route.

Contains discussion of equipment, including the ship, and results of land observations from Battle Harbour, Marble Island, Churchill, York Factory, Port Laperrière, Nottingham Island, Sugluk Bay, Ashe Inlet, Stupart Bay, and Port Burwell; and of ocean observations from the ship en route.

Copy seen: DLC.

7952. JACOBIN, LOUIS. Anchorage—nerve center of Alaska. (Alaska life, Mar. 1945. v. 8, no. 3, p. 3-27, incl. 17 p. of illus.)

Survey of the city's business, aviation, industry, amusements and natural setting.

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7953. JACOBIN, LOUIS. There's no place like Nome. (Alaska life, May 1945. v. 8, no. 5, p. 3-23, incl. 7 p. of illus.)

Notes on population, climate, aviation, mining, mineral resources, fur farming, reindeer, neighboring towns and villages, and business life of Nome, Alaska.

Copy seen: DLC.

JACOBS, S. E., see Russell, R. S., & others. Physiological & ecological studies. 1940.

7954. JACOBSEN, GEORGE. Stressed skin plywood buildings for permafrost areas. (Arctic circular, May 1949. v. 2, p. 50-53) Mimeographed.

Detailed description of the special plywood used, the method of creating a gravel base and of constructing the houses now used by the Canadian government in its polar stations in the arctic region. Includes description of mooring against storms and interior decoration for counteraction against monotony under psychologic conditions of the Arctic. *Copy seen:* CaMAI.

7955. JACOBSEN, HANS S., editor. Grønland tilbage til Norge. Uttalelser om grønland-spørmålet. Moss, Ragnaroks forlag, 1939. 104 p. maps. *Title tr.:* Greenland back to Norway. Expressions on the Greenland question.

Copy seen: NNS Stef.

JACOBSEN, JACOB PETER, 1877-1946, see Baggesgaard-Rasmussen, & J. P. Jacobsen. Contribution to hydrography water around Greenland. 1939.

JACOBSEN, JACOB PETER, 1877-1946, see also Weickmann, L., & J. P. Jacobsen. Erwärmung d. Arktis. 1942.

7956. JACOBSEN, JOHAN ADRIAN, 1853- . Captain Jacobsen's Reise an der Nordwestküste Amerikas, 1881-1883, zum Zwecke ethnologischer Sammlungen und Erdkundigungen, nebst Beschreibung persönlicher Erlebnisse, für den deutschen Leserkreis bearbeitet, von A. Woldt. Leipzig, M. Spohr, 1884. viii, 431 p. illus., 3 maps (1 fold.) *Title tr.:* Captain Jacobsen's journey to the northwest coast of America, 1881-1883, for collecting ethnological materials and information, with a description of personal experience, edited for German readers by A. Woldt.

Describes expedition to Alaska and British Columbia undertaken by Jacobsen with the financial aid of the Hilfs-Comites zur Beschaffung ethnologischer Sammlungen für das Berliner Königlicher Museum (Aid-Committee for Providing Ethnological Collections for the Royal Museum of Berlin). Gives a running account of travel problems, weather, and geographical observations.

Principal trip was a six-month sledge trip in winter of 1882-83, along south side of Seward Peninsula to Bering Strait; across base of Seward Peninsula to Kobuk River on Kotzebue Sound; across Yukon delta; along lower Kuskokwim River; and southeast to Togiak Bay. A steamer trip was made up the Yukon River to the Tanana and return; an umiak trip from Bristol Bay to and along Cook's Inlet via Iliamna Lake; and a short visit to the Copper River delta.

Chief collections (of which numerous illus.) were made from West Alaska Eskimos and Ingalik Indians; lesser ones from northern Tlingit and other nearby tribes. Includes detailed descriptions of shamanistic performances and festivals, and other varied ethnologic data. Archeologic excavations were made at a village site (Soonroodna) on Kenai Peninsula. Sea-otter hunting reported from Kenai Peninsula.

Maps: all show Jacobsen's routes (1) Yukon delta, scale 1:3,000,000 (inset, Iliamna Lake, scale 1:3,500,000); (2) base of Seward Peninsula, hachure relief, scale 1:2,360,000; (3) land between Kuskokwim Bay and Togiak Bay; hachure relief, scale 1:1,700,000; (4) location map (fold.), northwestern North America, scale 1:11,500,000.

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7957. JACOBSEN, JOHAN ADRIAN, 1853- . Ethnologische Gegenstände aus seiner im Alaska-Territorium zusammengebrachten Sammlung. (Zeitschrift für Ethnologie. Berlin, 1884. v. 16 (Verhandlungen) p. 221-25, illus.) *Title tr.:* Ethnologic objects from his collection gathered in Alaska.

Explanation by Ed. Krause of a number of Eskimo stone, bone, horn, ivory, iron, and wooden implements exhibited from the collection made by Capt. Jacobsen in Alaska 1881-83.

Copy seen: DLC.

7958. JACOBSEN, JOHAN ADRIAN, 1853- . Reise nach der Nordwestküste von Amerika. (Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte. Verhandlungen. 1883. Bd. 15, p. 525-31) *Title tr.:* Journey to the northwest coast of America.

Includes abbreviated journal of Jacobsen's travels in Alaska, 1882-83, while collecting ethnological artifacts and information. *Copy seen:* DLC.

JACOBSON, GEORGI GEORGIEVICH, see Poppius, B. R., & others. Beiträge Coleopteren-Fauna Sibirien. 1910.

JACOBSON, OUGERT, see Wohlge-muth, E. E. v. Vorbericht z. wiss. pub. d. österreichischen Polarexped. Jan Mayen. 1886.

7959. JÄDERHOLM, AXEL ELOF, 1868-1927. Beiträge zur Kenntnis der Laubmoosflora Novaja Semlja. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1901. Årg. 58, p. 515-24) **Title tr.:** Contributions to the knowledge of foliate mosses of Novaya Zemlya.

Contains a list of forty-seven species of foliate mosses collected by O. Ekstam on his exploring trips to Novaya Zemlya in 1891 and 1895 (Matochkin Shar region); including *Bryum (Eucladodium) zemliae*, described as new.

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7960. JÄDERHOLM, AXEL ELOF, 1868-1927. Die Hydroiden des Eisfjords. Stockholm, Almqvist & Wiksell, 1916. 14 p. tables, map. (Svenska Spetsbergs-expeditionen, 1908. Zoologische Ergebnisse, Teil 2 [Heft] 4. Pub. as Svenska vetenskapsakademien. Handlingar. Bd. 54, no. 4, tables, maps)

List of nineteen species of hydroids in Ice Fiord with localities and general distribution indicated.

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7961. JÄDERHOLM, AXEL ELOF, 1868-1927. Die Hydroiden des sibirischen Eismeres, gesammelt von der Russischen Polar-Expedition 1900-1903. St.-Petersbourg, 1908. 2 p. l., 28 p. 3 plates. (Russkaja poljarnaia ekspeditsiia 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livr. 12. Pub. as Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 12) **Title tr.:** The hydroids of the Siberian Arctic Ocean, collected by the Russian Polar Expedition, 1900-1903.

Contains an annotated list, with synonyms, references and localities, of forty (including with descriptions, two new) species, from the Kara and Laptev Seas and the waters north of the New Siberian Islands; and a bibliography (43 items). **Copy seen:** DSI.

7962. JÄDERHOLM, AXEL ELOF, 1868-1927. Northern and arctic Hydroida from the Swedish Zoological State Museum. Stockholm, Almqvist & Wiksell, 1919. 11 p. (Svenska vetenskapsakademien. Handlingar. Bd. 60, no. 9)

List, with descriptions and locations, for thirty-eight species. A supplement to his: *Northern and arctic invertebrates* (etc.) 4, 1909, q.v.

Copy seen: DLC.

7963. JÄDERHOLM, AXEL ELOF, 1868-1927. Northern and arctic invertebrates in the collection of the Swedish State Museum. 4. Hydroiden. Uppsala, Almqvist & Wiksell, 1909. 124 p. 12 plates. (Svenska vetenskapsakademien. Handlingar. Bd. 45, no. 1)

List, with notes on distribution, of one hundred eighty-four species, with a bibliography, p. 112-16. A supplement was published as his *Northern and arctic Hydroida*, 1919, q.v.

Copy seen: DLC.

7964. JÄDERHOLM, AXEL ELOF, 1868-1927. Zur Kenntnis der Hydroiden-fauna des Beringsmeeres. [Stockholm, 1908] 8 p. 2 plates. (Arkiv för zoologi. Bd. 4, no. 8) **Title tr.:** On the hydroids of Bering Sea.

Based on museum specimens from the *Vega* Expedition, 1878-79, an annotated list of ten species of hydroids, of which two were taken in Bering Strait.

Copy seen: DSI-M.

JÄDERHOLM, ELOF, see JÄDERHOLM, AXEL ELOF, 1868-1927.

7965. JÄDERIN, EDVARD, 1852-1923. Geografiska Ortsbestämningar och höjdmätningar under 1883 års svenska expeditionen till Grönland. (In: Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1884. Årg. 41, no. 1, p. 49-73) **Title tr.:** Astronomical determinations of places and measurements of heights made during the Swedish Expedition to Greenland, 1883.

Geodetic observations made June 17-Sept. 4, 1883, at various harbors in southwest Greenland and at King Oscar Harbor (65°32'N.) on the east coast; also geodetic and latitude observations made during July on the inland ice east of Egedesminde.

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7966. JÄDERIN, EDVARD, 1852-1923. Geografiska ortbestämningar under Svenska expeditionen till Grönland 1870. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1871. Årg. 28, no. 7, p. 925-40) *Title tr.:* Astronomical determinations of places during the Swedish Expedition to Greenland 1870.

Observations made July 5-Aug. 24, 1870, in the Disko Bay region of West Greenland. *Copy seen:* DLC.

7967. JÄDERIN, EDVARD, 1852-1923. Geografiska ortbestämningar under svenska expeditionen till Novaja Semlja och Kariska hafvet år 1875. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1876. Årg. 33, no. 2, p. 39-56) *Title tr.:* Geographic determination of places during the Swedish Expedition to Novaya Zemlya and the Kara Sea, 1875.

Astronomical determinations of twenty-three positions on Novaya Zemlya, Vaygach Island and in the Yenisey region. *Copy seen:* DLC.

7968. JÄDERIN, EDVARD, 1852-1923. Geografiska ortbestämningar under svenska expeditionen till Novaja Semlja och Kariska hafvet år 1875. (In: Nordenskiöld, N. A. E. Redogörelse för en expedition till mynningen af Jenissej och Sibirien år 1875, p. 92. *Pub.* in Svenska vetenskapsakademien. Handlingar. Bihang, 1877, bd. 4, no. 1) *Title tr.:* Geographic determination of places during the Swedish Expedition to Novaya Zemlya and the Kara Sea, 1875. Summary of the item above.

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7969. JÄDERIN, EDVARD, 1852-1923. Nivåsextant, konstruerad för Andrées polarballong. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1897. Årg. 54, p. 493-503) *Title tr.:* Sextant constructed for Andrée's arctic balloon.

Description of Andrée's instrument, with discussion and tables of preliminary experimental observations and description of an improved model constructed later. *Copy seen:* DLC.

7970. JÄDERIN, EDVARD, 1852-1923. Ortbestämningar utförda under år 1870 års expedition. (In: Nordenskiöld, N. A. E. Redogörelse för en expedition till Grönland år 1870, p. 1071. *Pub.* in Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1870. Årg. 27,

no. 10) *Title tr.:* Determinations of places made during the Expedition of 1870.

Summary of the author's *Geografiska ortbestämningar . . . Grönland 1870*, q.v. *Copy seen:* DLC.

7971. JÄGERSKIÖLD, L. A. Levinsonia (Distomum) pygmaea Levinsen, ein genitalnapftragendes *Distomum*. (Zentralblatt für Bakteriologie, 1900. Bd. 27, Abt. 1, p. 732-40, illus.) *Title tr.:* *Levinsonia (Distomum) pygmaea* Levinsen, a Distome of the genital cavity.

Contains detailed anatomical study of a trematode parasitic in birds of East Greenland. *Copy seen:* DA.

7972. JAGGAR, THOMAS AUGUSTUS, 1871- . The evolution of Bogoslof volcano. (American Geographical Society, N. Y. Bulletin, July 1908. v. 40, p. 385-400, illus.)

The author was a member of the Massachusetts Institute of Technology Expedition, 1907. This expedition started to Alaska in April, to study volcanoes of the Aleutian Islands, and was able to study the new McCulloch Cone which arose in Dec. 1906 and disappeared Sept. 1, 1907. He gives here a full description of Bogoslof Island, as of the date visited, a discussion of the volcano's past activity, and a strong plea for the establishing of a research center on the Aleutians for volcanic study. *Copy seen:* DLC.

7973. JAGGAR, THOMAS AUGUSTUS, 1871- , Journal of the Technology Expedition to the Aleutian Islands, 1907. (Technology review, Jan. 1908. v. 10, p. 1-37, 18 plates incl. 3 maps)

Journal of the cruise of the schooner *Lydia*, May-Sept., 1907, carrying a scientific party of six, and some others, from the Massachusetts Institute of Technology (and other institutions). Describes the trip in the eastern Aleutian waters, visits to the islands of Unalaska, Atka, Akutan, and Bogoslof. *Copy seen:* DLC; NNStef.

JAGGAR, THOMAS AUGUSTUS, 1871- , see also American Geophysical Union. Section of Volcanology. Symposium on scientific cooperation Aleutian I. 1926.

7974. JAHN, ALFRED. Badania nad strukturą i temperaturą gleb w zachodniej Grenlandii. (Akademija Umiejęt-

ności, Krakow. Wydział matematyczno-przyrodniczy. Rozprawy, sec. A, 1946, pub. 1948. T. 72, p. 63-184, 8 plates) *Title tr.:* Research on the structure and temperature of the soils in western Greenland. *Contents tr.:* The structural soil-markings. Temperature of the soils. Explanation of tundra-craters and fissure polygons.

Results of the Polish Scientific Expedition to Western Greenland, 1937, in the Arfersiorfik Fiord region (68°N.)

Summary in English was published in Akademija Umiejętności, Krakow. Wydział matematyczno-przyrodniczy. Bulletin international. Sér. A, 1940-46, pub. 1948. No. Sommaire A, p. 50-59.

Copy seen: (original text also English summary) DGS.

7975. JAHN, ALFRED. Dyluwialne i postdyluwialne ruchy pionowe Grenlandii zachodniej w świetle teras nadbrzeżnych fiordu Arfersiorfik. (Die Strandterrassen des Arfersiorfik-Fjordes als Zeugnis der diluvialen und postdiluvialen Vertikalbewegungen West-Grönlands). (Czasopismo geograficzne, 1938. T. 16, p. 307-324, illus., 2 sketch maps) *Title tr.:* The shore terraces of Arfersiorfik Fiord as traces of Diluvial and Post-Diluvial uplift. Text in Polish; summary in German.

The author was geomorphologist of the Polish Greenland Expedition, 1937, which made its base on the west coast at about 68°N. He gives here a description of the ice abrasion terraces on the outer coast at Godthaab and Egedesminde; a comparison of these with the marine terraces within the fiord, which extend inland to a point beyond the present edge of the icecap; and discussion of these phenomena in relation to similar forms on the Scandinavian coast and to the different limit of the icecap at the time the uplift was occurring.

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7976. JAILLITE, W. MARKS. Permafrost research area. (Military engineer, Sept. 1947. v. 39, p. 375-79, illus.)

Description of the U. S. Army Corps of Engineers' research area near Fairbanks, Alaska, the research plans, construction, and equipment.

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7977. JAKHELLN, ANTON, 1904-. Oceanographic investigations in East Greenland waters in the summers of

1930-1932. Oslo, Jacob Dybwad, 1936. 79 [1] p. incl. tables, diagrs. 2 fold. maps. (Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 67)

Contents include: East Greenland Polar Current, p. 20-38. Fiord waters, p. 38-61. Tables of observations, p. 69-79. (These are results of observations from ten stations (upper 75 m. only) from the Franz Joseph Fiord complex, 1930, twenty-one stations in 1931, and twenty-eight stations from the fiords and continental shelf in 1932).

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7978. JAMES, BUSHROD WASHINGTON, 1830-1903. Alaska, its neglected past, its brilliant future. Philadelphia, Sunshine Publishing Co., 1897. 2 p. l., 3-444 p. 33 plates, 16 maps (3 double)

Presentation of knowledge then held of routes, transportation and communication, gold mining, scenic Southeast Alaska, the Indians, Bering Sea and fur seal islands, Aleutian Islands, Yukon River, Alaskan resources, fur seal controversy and industry, missions, education, legislation, distances, etc.

Copy seen: DLC; NNSf.

7979. JAMES, JAMES ALTON, 1864-. The first scientific exploration of Russian America and the purchase of Alaska. Evanston and Chicago, Northwestern University, 1942. xii, 276 p. plates, ports., double map. (Northwestern University Studies in the Social Sciences, no. 4)

A study to ascertain the specific contributions made by Robert Kennicott and James M. Bannister, to Senator Sumner's knowledge of Alaska, hence their influence on the acquisition of Alaska by the United States in 1867.

Contents: 1. Introduction: A. Robert Kennicott. (Outline of his life, his first expedition to Russian America 1859-62).

B. Project for an overland telegraph line between western and eastern continents. (Kennicott's work as chief of explorations on the Western Union Telegraph Co. Expedition 1865 till his death 1866).

C. Treaty for cession of Russian Territory to the U. S.

D. Contemporary knowledge of Alaska, 1867. (Analysis of Sumner's speech of April 9, to show sources of his information on Alaska).

E. Testimony of H. M. Bannister (who participated in the Western Union Telegraph Expedition 1865-67; analysis of his journal to show his contributions to Sumner's and Seward's information on Alaska).

2. Journal of Robert Kennicott, May 19, 1859-Feb. 11, 1862.

3. Bibliography of writings of R. Kennicott.

4. Journal of H. M. Bannister, Mar. 21, 1865-Jan. 20, 1867.

5-6. Letters from Bannister and Kennicott.

The journals of Kennicott and Bannister appear in this Bibliography under their author's names.

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JAMES, THOMAS P., *see* Durand, E., & others. Enumeration of arctic plants collected by Dr. Hayes, 1861. 1864.

JAMES, THOMAS P., *see* Rothrock, J. T. Sketch of flora of Alaska. 1868.

7980. JAMESON, ROBERT, 1774-1854. Geology. Enumeration of the rocks of Spitsbergen, and the neighboring isles, collected by Captain Parry. (*In:* Parry, Sir W. E. Narrative of an attempt to reach the North Pole . . . 1827, *pub.* 1828. Appendix. p. 223-29)

Brief notes on rock samples from the northern shores of West Spitsbergen, and from Low, Walden and Ross Islands lying to the northward.

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7981. JAMESON, ROBERT, 1774-1854. Geology. (*In:* Parry, Sir W. E. Journal of a third voyage . . . 1824-25, *pub.* 1826. Appendix. p. 132-51)

Contains brief descriptions of physiographic features of Melville Peninsula, and of Southampton, Cockburn, Winter and Igloodik Islands, with lists and notes on their rocks; and notes on rocks collected at Whale-fish Islands (now Kronprinsens Ejland, West Greenland), southern Devon Island, northern Somerset and northwest Baffin Island.

Includes notes on the second and third voyages and concluding remarks on results of all Parry's voyages, 1818-25. The concluding remarks appeared also in *Edinburgh new philosophical journal*, Dec. 1826. v. 2, p. 104-106.

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JAMESON, ROBERT, 1774-1854, *see* also Leslie, Sir J., & others. Narrative discovery & adventure. 1830-

7982. JAMESON, WILLIAM. Narrative of a voyage to Davis' Straits in 1820. (*Edinburgh philosophical journal*, Oct. 1821. v. 5, p. 309-318)

Account, by the surgeon of the *John of Hull*, of a whaling cruise to 76°10'N., giving a general description of the birds, ice conditions, and marine life, with mention of flowering plants from Duck Islands (74°N.).

Copy seen: DLC.

7983. JAMESON, WILLIAM. Notice of Captain Parry's voyage of discovery. (*Edinburgh philosophical journal*, Jan. 1821. v. 4, p. 144-55, fold. map)

Brief account of the itinerary of the *Hecla* and *Griper*, 1819-20, in the Canadian Arctic Islands waters.

JAMESON, WILLIAM, *see* also Greville, R. K. Description new *Potentilla* W. Greenland. 1821.

JAMESON, WILLIAM, *see* also Scoresby, W. Journal voyage to northern whale-fishery. 1823.

7984. JANKOWSKI, EDWIN J. War on game of the North. (Alaska life, Feb. 1943. v. 6, no. 2, p. 13-15)

Discussion of wanton, wasteful, and illegal killing of Alaska and Yukon Territory game, during war years when conservation forces are reduced.

Copy seen: DLC.

7985. JANSEN, Capt. The Dutch arctic voyages (1878, 1879, 1880, 1881) and the probable position of Mr. Leigh Smith. (Royal Geographic Society. Proceedings, Jan. 1882. n.s., v. 4, p. 35-41, discussion, p. 53-57).

Paper read before the Society Dec. 1881, giving an account of the *Willem Barents* in the Barents Sea, dispatched for the purpose of observing ice conditions and limits, with remarks on the *Eira's* possible whereabouts.

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7986. JANSEN, Capt. Notes on the ice between Greenland and Nova Zembla; being the results of investigations into the records of early Dutch voyages in the Spitzbergen seas. (Royal Geographical Society. Proceedings, Apr. 10, 1865. v. 9, p. 163-81, sketch chart)

General account of 17th and 18th century whaling activities and of the ice conditions in Greenland and Barents Seas.

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7987. JANSSEN, CARL EMIL, 1813-1884. En grønlandspraests optegnelser, 1844-49; udg. af Julius Clausen og P. Fr. Rist. [København, Gyldendal, Nordisk forlag, 1913] 2 p. l., iv, 219 p. plates, ports., map. (Memoirer og breve, udgivne af J. Clausen og P. F. Rist. XIX) *Title tr.*: The observations of a Greenland clergyman, 1844-49; edited by Julius Clausen and P. F. Rist.

Contains the author's description of life in West Greenland in the 1840's, particularly in Godthaab, Holsteinsborg and Julianehaab Districts; data on the Danish mission, Eskimos, customs, hunting, fishing, geography, etc. *Copy seen:* NN.

JANSSEN, JOHANN, *see* Kopp, W., & J. Janssen. Funkbetrieb u. Funkversuche (Exped. Wegener). 1933.

7988. JANSSEN, LOUISE SOPHIE FREDERIKKE, 1827-1895. Julianehaab i 1850-aarene. (Grønlandske selskab, Aarsskrift, 1931-32, p. 69-89) *Title tr.*: Julianehaab in the 1850's.

Contains extracts from the diaries of a missionary's wife depicting life in Julianehaab, excursions to Narksak and vicinity, in 1852. *Copy seen:* NN.

JANTZEN, LUDVIG VILHELM SOPHUS WILLAUME, *see* JANTZEN, VILHELM, 1848-1910.

7989. JANTZEN, VILHELM, 1848-1910. Meteorologiske observationer i Nanortalik og Angmagssalik, sammenlignede med observationer fra andre stationer. (*In*: Østgrønlandske expedition, 1883-1885. Beretninger, 1. del, 6. Pub. in Meddelelser om Grønland, 1889. 9. hefte, p. 285-310, tables, diagrs.) *Title tr.*: Meteorological observations in Nanortalik and Angmagssalik as compared to observations made at other stations.

Discussion and tables of climate and weather based chiefly on observations made at Nanortalik during the winters 1883-84 and 1884-85, and at Angmagssalik during the winter 1884-85. Summary in French, p. 398-408.

A fuller analysis of this paper appears in this Bibliography's entry for its French edition under: Østgrønlandske expedition 1883-85. Observations météorologiques, q.v.

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7990. JANTZEN, VILHELM, 1848-1910. De meteorologiske undersøgelser. (*In*: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 1. del, nr. 6. Pub. in Meddelelser om Grønland, 1902. 27. hefte, p. 310-18, diagrs.) *Title tr.*: The meteorological observations.

Discussion of observations of air pressure, air temperature and humidity and of wind velocity made at the winter quarters at Angmagssalik Nov. 1889-May, 1890. *Copy seen:* DLC.

7991. JANTZEN, VILHELM, 1848-1910. Observations météorologiques à l'Île de Danemark (70°26'46" de lat. N. et 26°11'46" de long. W.) 1891-92. 21, xlv p. (Denmark. Meteorologiske institut. Observations, magnétiques et hydrométrique, 1891-92, pub. 1895. Pt. 2) *Title tr.*: Meteorological observations on Denmark Island (70°26'46"N. 26°11'46"W.) 1891-92.

Contains discussion of the weather over inner Scoresby Sound with reference to points elsewhere in Greenland, and tabulation of results of hourly observations, Sept. 18, 1891-July 31, 1892, of atmospheric pressure, air temperature, direction and force of wind, clouds, and auroras.

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7992. JANTZEN, VILHELM, 1848-1910. Résumé af de meteorologiske observationer. (*In*: Ryder, C. Den østgrønlandske expedition. 1. del, 3. Pub. in Meddelelser om Grønland, 1895, 17. hefte, p. 171-80, tables) *Title tr.*: Summary of meteorological observations.

Discussion and tables showing results of observations made chiefly at the expedition's winter quarters on Denmark Island, Scoresby Sound, Dec. 1891-July, 1892.

Copy seen: DLC.

JANTZEN, VILHELM, 1848-1910, *see also* Amdrup, G. C., & others. Observ. astron. météorol. et magnétiques de Tasiusak 1898-99. 1904.

JANTZEN, VILHELM, 1848-1910, *see also* Hovgaard, A. P. Observ. météorol. *Dijmphna* mer de Kara. 1889.

7993. J A P A N. HYDROGRAPHIC DEPT. Ice in the Okhotsk Sea area. [Tokyo] 1938. p. 1., 52 p. 12 plates, 10 charts (4 fold.) (*Its* Kaizō ihō. v. 7) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Contains text material describing the results of the surveys in many individual sections of the sea during various seasons, and cartographic presentation of extent, types, and (occasionally) navigability of ice, together with air and surface water temperatures and occasionally some further weather data.

Plates: Photographs of types of ice encountered. *Copy seen:* DN-HO.

7994. J A P A N. HYDROGRAPHIC DEPT. Ice in the southern Kuriles and the Okhotsk Sea, March-May 1942. [Tokyo] 1942. p. l., 6 p. 3 fold. charts. (*Its Kaizō ihō*, v. 17) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Based on observations of the *Fuzan Maru*, Mar. 14-May 26, 1942, in the Okhotsk Sea to 56°N.

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7995. J A P A N. HYDROGRAPHIC DEPT. Northern seas in summer season. [Tokyo] 1937. p. l., 17 p. 21 fold. charts, diagrs. (*Its Kaizō ihō*, v. 3) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Based on surveys, May-Sept. 1934-36, in waters including those off the western Aleutian Islands and along the southeast coast of Kamchatka. Contains discussion, and cartographic presentation of calculated currents, horizontal distribution of temperature (0 and 300 meters) salinity (300 meters), and specific gravity (0 and 50 meters), the transparency and color of sea water, and some vertical profiles (temperature and specific gravity).

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7996. J A P A N. HYDROGRAPHIC DEPT. The Okhotsk Sea. [Tokyo] 1939. p. l., 23 p. 37 plates (incl. 26 charts, 11 diagrs.) (*Its Kaizō ihō*, v. 9) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Based on research of the special duty ship *Odomari*, 1936-38, and the *Kaiho Maru*, 1938. Contains discussion of depths, temperature, salinity, currents, specific gravity, color, transparency, hydrogen ion concentration, soluble oxygen, and silicates; descriptions of the several surveys, and a few remarks on salinity of sea ice.

Charts and diagrs.: Bathymetric chart. Surface temperature, May-June.

Horizontal distribution of temperature (0, 50, and 200 meters), salinity and specific gravity (0 and 50 meters). Dynamic current charts. Color and transparency, May-June. Chartlets for all of these conditions, Nov. and Feb. Vertical temperature-salinity profiles, and bathythermographs.

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7997. J A P A N. HYDROGRAPHIC DEPT. Okhotsk Sea, summer 1942. [Tokyo] 1943. p. l., 4 p. 12 charts, 6 diagrs. (*Its Kaizō ihō*, v. 19) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Based on observations of the *Ryofu Maru*, July-Aug., brief notes, with charts of horizontal distribution (0 and 50 meters) and vertical profiles of temperature and salinity, surface specific gravity, dynamic currents, color and transparency of the sea water.

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7998. J A P A N. HYDROGRAPHIC DEPT. Summer conditions in the Aleutian Islands and Bering Sea. [Tokyo] 1943. p. l., 4 p. 54 fold. charts. (*Its Kaizō ihō*, v. 20) Text in Japanese.

Translations in English of the title, tables of contents and text on the charts and diagrs. are on file at the library of the U. S. Navy Hydrographic Office.

Based on the surveys of several vessels, 1935-41, and on Japanese and American published sources. Contains cartographic presentation of temperature and salinity horizontal distribution (0 and 50 meters) and specific gravity (0, 10, 25 and 50 meters) for August. Resultant currents, July-Aug. Trans-

parency (Aug.) and color (month not stated). Oxygen solubility (0 and 50 meters; month not stated). Average drift of ice, May-July. Isochrons showing dates of beginning and thawing of ice. Monthly extent and type of ice. Monthly state of sea and swell, Aleutian waters only, May-Aug. Resultant wind diagrams (roses) each month, May-Aug. Fog and visibility, May-Aug. Air temperature isotherms, Feb., May, Aug. and Nov.

Copy seen: DN-HO.

7999. JAPAN. IMPERIAL FISHERIES EXPERIMENT STATION. Semi-annual report of oceanographic investigation. [January/June, 1932 - July/December 1938] Tokyo, 1932-39. 5 nos. tables.

Tables of temperature, salinity, transparency and color of sea water from surface to bottom, for the coastal waters off Kamchatka to about 53°N. appear in five numbers of this report, 50, 58, 61-63. The observations cover a few days of various months from May to September. *File seen:* DF.

8000. JAPAN TIMES AND MAIL. Aquatic industry number. [Tokyo?] 1935. 60 p. illus. (quarto) A special

issue devoted to fisheries and fishery industries of Japan.

Contents include (p. 31) *In Soviet waters* (history of treaties and agreements concerning Okhotsk and Bering Sea salmon and crab fisheries; discussion and statistics of development of these fisheries); (p. 35-36) *Sealing* (history of Bering Sea sealing by Japanese, and of the controversy, settled in 1911).

Copy seen: DF.

8001. JAKES, FRANCIS L. Birds of Little Diomed. (Natural history, Sept.-Oct. 1929. v. 29, p. 521-29, illus.)

Description of an exhibit created by the American Museum of Natural History, with notes on the island and its approaches, and on the birds.

Copy seen: DLC; NNSf.

8002. JAKES, FRANCIS L. Water birds observed on the Arctic Ocean and the Bering Sea, in 1928. (Auk, July 1930. v. 47, p. 353-66, sketch map)

Results of the Stoll-McCracken Expedition of the American Museum of Natural History to the Arctic Ocean, summer of 1928.

Contains annotated list of eighty-two species collected on the following itinerary: Inside Passage to Juneau, across the Gulf of Alaska to the Shumagin, through Umiak Pass to Port Moller, along the Aleutians to Unalaska Island, a visit to Pribilof Islands, and Teller, Alaska; thence through Bering Strait into Chukchi Sea to limit of pack ice at 72°32'N. and return.

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JARVIS, D. H., *see* U. S. Revenue-cutter Service. Report *Bear* & overland exped. 1897-98. 1899.

JEAFFRESON, J. R., *see* Jackson, F. G. Great frozen land. 1895.

8003. JEBE, F. Norske Rosa-arter. (Nytt magasin for naturvidenskapene, 1926. Bd. 64, p. 1-108, plates 1-8) *Title tr.:* Norwegian species of *Rosa*.

Contains a critical revision of Norwegian species of the genus *Rosa*, with a survey of groups and subgroups, a synopsis of typical species and an enumeration of one hundred eight species and many more varieties and subspecies (five new), with data on distribution in Norway; includes many native to arctic regions; bibliography (46 items) and index to species and forms.

Copy seen: MH-Z.

8004. JECH, CLEMENT C. Success on the Yakutat beach. (Alaska sportsman, Jan. 1946. v. 12, no. 1, p. 16-19, illus.)

Account of a land rescue operation in a M-29C cargo carrier "water weasel" on beaches, in rivers, along roads and trails, and through woods, in the Yakutat Bay region searching for people from the wrecked vessel, *Success*.

Copy seen: DLC.

8005. JEFFREYS, JOHN GWYN, 1809-1885. New and peculiar Mollusca of the Eulimidae and other families of Gastropoda, as well as of the Pteropoda, procured in the "Valorous" Expedition. (Annals and magazine of natural history, Apr. 1877. Ser. 4, v. 19, p. 317-39)

List, with descriptions and localities, of thirty-eight species from Davis Strait.

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8006. JEFFREYS, JOHN GWYN, 1809-1885. New and peculiar Mollusca of the order Solenoconchia procured in the

"Valorous" Expedition. (Annals and magazine of natural history, Feb. 1877. Ser. 4, v. 19, p. 153-58)

List, with descriptions and localities, of eleven seaphopods from Davis Strait.

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8007. JEFFREYS, JOHN GWYN, 1809-1885. New and peculiar Mollusca of the Patellidae and other families of Gastropoda procured in the "Valorous" Expedition. (Annals and magazine of natural history, Mar. 1877. Ser. 4, v. 19, p. 231-43)

List, with descriptions and localities, of twenty-one species from Davis Strait.

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8008. JEFFREYS, JOHN GWYN, 1809-1885. On some of the Mollusca procured during the Arctic Expedition of the "Fox" in 1858 and 1859. (Royal Dublin Society. Scientific proceedings, May 1879. New ser., v. 2, p. 125-28)

A list, with notes, localities, depths, and synonymy, of forty-three shells collected by the naturalist of the *Fox*, and deposited in the Museum of the Dublin Society. The author seeks to clarify here the identification of the list published in David Walker's *Notes on the zoology of the last Arctic Expedition* (etc.), 1862, including specimens from Godhavn, (Disco Bay) Melville Bay, Cape York, and Port Kennedy (Bellot Strait).

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8009. JEFFREYS, JOHN GWYN, 1809-1885. The Post-Tertiary fossils procured by the late Arctic Expedition, with notes on some of the recent or living Mollusca from the same Expedition. (Annals and magazine of natural history, Sept. 1877. Ser. 4, v. 20, p. 229-42)

List, with record of distribution of recent species and of fossils, also localities, and some brief descriptive notes, of eighteen fossil molluscs from northern Ellesmere Island; and mention of the finding of a coral, foram, and a marine alga; also critical notes on the naming of some of the living molluscs in E. A. Smith's *On the Mollusca* [etc.] 1877, q.v.

Copy seen: DSI-M.

8010. JEFFREYS, JOHN GWYN, 1809-1885, and others. Preliminary report of the biological results of a cruise in

H. M. S. "Valorous" to Davis Strait in 1875. (Royal Society of London. Proceedings, June 1876. v. 25, p. 177-230, fold. chart)

The *Valorous* served as a stores ship for the British Arctic Expedition, 1875-76, on the voyage as far as Disko, and carried out biological and oceanographic work in Davis Strait and the North Atlantic during its return voyage, the author serving as naturalist in charge of research. This report contains (by J. G. Jeffreys) an account of the voyage with notes, and lists of molluscs, which include one hundred twenty-two species from Davis Strait; also the following papers:

Hogg, J. Note on the odontophore of *Buccinum groenlandicum*.

NORMAN, A. M. Crustacea, Tunica, Polyzoa, Echinodermata, Actinozoa, Foraminifera, Polycystina, and Spongida.

M'INTOSH, W. C. Annelida.

Allman, G. J. Hydrozoa.

Duncan, P. M. Corals (North Atlantic).

CARPENTER, W. B. Foraminifera.

DICKIE, G. Diatoms.

ETHERIDGE, R. Catalogue of pebbles and minerals dredged by Mr. Gwyn Jeffreys.

Each of these papers (with the exception of J. Hogg's, G. J. Allman's and P. M. Duncan's) appears in this Bibliography under its author's name.

Copy seen: DLC.

JEFFREYS, JOHN GWYN, 1809-1885, see also Feilden, H. W., & J. G. Jeffreys. Post-Tertiary beds Grinnell Land. 1877.

8011. JELSTRUP, HANS SEVERIN, 1893-. Détermination astronomique à Sabine-Oya au Groenland oriental avec discussion touchant une dérive continentale possible. Oslo, J. Dybwad, 1933. 27 p. incl. tables. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 58) *Title tr.*: Astronomical determination at Sabine Island, East Greenland, with a discussion of the possible continental derivation of the island.

Report on an exact geodetic determination undertaken for the Norwegian Geological Survey and Svalbard and Arctic Ocean Research Office, 1932.

Copy seen: DGS.

8012. JELSTRUP, HANS SEVERIN, 1893- . Détermination astronomique de Mygg-Bukta au Groenland oriental. Oslo, J. Dybwad, 1932. 44 p. illus. (incl. map, tables, diagrs.) Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 50) *Title tr.*: Astronomical determination for Myggbukta, East Greenland.

Contains description of instruments and methods, and report on observations for geographic position.

Copy seen: DLC.

8013. JELSTRUP, HANS SEVERIN, 1893- . Déterminations astronomiques pour Norges geografiske opmåling. Oslo, J. Dybwad, 1928. 27 p. illus., diagrs. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 16) *Title tr.*: Astronomical determinations for the Norwegian Geographical Survey.

Description of the instruments, the methods and the astronomical station at Green Harbor, and a report on the determinations made in 1922, for geographic positions. *Copy seen:* DLC.

8014. JELSTRUP, HANS SEVERIN, 1893- . Nogen trekk fra to astronomiske stedsbestemmelser på Øst-Grønland. (Norsk geografisk tidsskrift, 1934-35, pub. 1935. Bd. 5, p. 110-16) *Title tr.*: On two astronomical determinations of places in East Greenland.

General remarks on astronomical determinations of places and Wegener's continental drift theory; account of the author's observations in Myggbukta in 1931, and at Germania Harbor on Sabine Island in 1932, during the Norwegian Expeditions to East Greenland, with remarks on scientific results.

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8015. JELSTRUP, HANS SEVERIN, 1893- . Sravnenie starykh i novykh astronomicheskikh dolgotnykh opredelenii na o. Sabina (Vost. Grenlandiia) kak kriteriihipotezy Vegenera. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1947, T. 79, vyp. 6, p. 647-52) *Title tr.*: A comparison of old and new determinations of longitude on Sabine Island (East Greenland) as a criterion of the Wegener hypothesis.

An original article in the Russian language based on author's observations in 1932, confirming the probable correctness of Wegener's continental drift theory.

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8016. JENKINS, DALE W. Ecological observations on the blackflies and punkies of central Alaska. (Mosquito news, Dec. 1948. v. 8, p. 148-54, diagrs.)

Results of the Alaska Insect Control Project, 1947, in the area defined in the author's *Ecological observations on the mosquitoes*, 1948, q.v., during the period May 5-Aug. 24, 1947.

Report on preliminary observations of distribution, habitats, abundance and biting habits of twenty species of blackflies (Simuliidae) and eight species of *Culicoides* ("no-see-ums", or "mosquito-flies").

Copy seen: DLC.

8017. JENKINS, DALE W. Ecological observations on the mosquitoes of central Alaska. (Mosquito news, Dec. 1948. v. 8, p. 140-47, illus. (tables, diagrs.))

Results of the Alaska Insect Control Project, 1947, during which the Biology section made observations from Anchorage to Fairbanks and Circle, and from there to Tok and Valdez along the highways and railroads. (Special trips were made to Nome, Mt. McKinley National Park and Adak Island, but Anchorage was the only area extensively studied.) Author reports on distribution, succession of species during larval breeding season, larval habitats, and natural control; and field notes on eighteen species.

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8018. JENKINS, JAMES TRAVIS, 1876- . A history of the whale fisheries, from the Basque fisheries of the tenth century to the hunting of the finner whale at the present date. London, H. F. & G. Witherby, 1921. 336 p. 12 plates, map.

Includes notes on migrations and species of whales, regulations for their protection, and the history of various countries' whalers in Spitsbergen waters, Greenland Sea, Davis Strait, Okhotsk, and Beaufort Seas. Bibliography p. 315-31.

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8019. JENKINS, JAMES TRAVIS, 1876- . Whales and modern whaling. London, H. F. & G. Witherby [1932] 239 p. 22 plates.

Includes a chapter on the natural history of whales and their protection; and one on the Greenland right whale which is circumpolar in distribution.

Copy seen: DLC; NNS Stef.

8020. JENKINS, THOMAS, *Bishop*, 1871-. The man of Alaska, Peter Trimble Rowe, by the Right Reverend Thomas Jenkins, D.D., retired Bishop of Nevada. New York, Morehouse-Gorham co., 1943. xvi p., 1 l., 340 p., 1 l. col. front., plates, ports., map on lining-papers.

The life and work of the first Episcopal Church bishop of Alaska who went there in 1895, and served throughout the Territory until 1912, continuing as bishop until his death in 1942.

Copy seen: DLC; NNSf.

8021. JENNESS, DIAMOND, 1886- , *editor*. The American aborigines, their origin and antiquity; a collection of papers by ten authors, assembled and edited by Diamond Jenness; published for presentation at the Fifth Pacific Science Congress, Canada, 1933. [Toronto] University of Toronto Press, 1933. 396 p. illus. (maps).

Contents include: JOHNSTON, W. A. Quaternary geology of North America in relation to the migration of man.

BOAS, F. Relationships between north-west America and north-east Asia.

JENNESS, D. The problem of the Eskimo.

These papers, relating particularly to northern regions, appear in this Bibliography under their author's name. Other papers referring to the Arctic as to other regions only in general discussion, or relating entirely to non-Arctic regions do not appear in this Bibliography. *Copy seen:* DLC.

8022. JENNESS, DIAMOND, 1886- . An archaeological collection from the Belcher Islands in Hudson Bay. (Pittsburgh. Carnegie Institute. Museum. Annals, Feb. 1941. v. 28, p. 189-206, illus., 9 plates)

Contains a report on a collection of about a thousand artifacts collected by the Carnegie Museum Expedition to Hudson Bay 1938 and deposited in the National Museum of Canada: hunting and fishing weapons, household tools and ornaments, are described and figured. The author concludes that the specimens represent an Eskimo community in the later stages of Thule culture, showing influence from Southampton Island in ornaments and of the Dorset culture in some implements.

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8023. JENNESS, DIAMOND, 1886- . Archaeological investigations in Bering Strait, 1926. (*In:* Canada. National Museum. Bulletin, no. 50. Annual report for 1926, pub. 1928. p. 71-80, 3 plates)

Contains report on archeological excavations at Wales, and the Diomed Islands, and on linguistic data collected at four places in the summer of 1926, with some discussion of evidences of Eskimo migration and culture origins. Reports the discovery of the Old Bering Sea culture on the Diomedes and of a Thule culture at Wales.

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8024. JENNESS, DIAMOND, 1886- . Arrow-straighteners, thong-smoothers, and bâtons-de-commandement. (Man; a monthly record of anthropological science, May 1937. v. 37, p. 73-74, plate)

Descriptions of bone, ivory, and wood arrow-straighteners, thong-smoothers, and bow-adjuster, now in the National Museum of Canada, collected from the North Alaska, Copper, and Greenland Eskimos. Comparison of these with similar implements from other areas.

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8025. JENNESS, DIAMOND, 1886- . The "blond" Eskimos. (American anthropologist, 1921. New ser., v. 23, p. 257-67)

Discussion of physical characteristics of Copper Eskimos in comparison with other Eskimo tribal groups and in connection with infusion of European racial stocks. Further discussion, followed, by L. R. Sullivan and H. H. Noice, (*The Blond Eskimo, a question of method*) in American anthropologist, 1922. New ser., v. 24, p. 225-32.

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8026. JENNESS, DIAMOND, 1886- . Canada's Indian problems. (Smithsonian Institution. Annual report, 1942, pub. 1943. p. 367-80, 4 plates on 2 l.) "Reprinted . . . from the America indigena, v. 2, no. 1, 1942."

A survey of effects upon Indians and Eskimos of their contacts with Europeans in North America.

Copy seen: DLC.

8027. JENNESS, DIAMOND, 1886- . Comparative vocabulary of the Western Eskimo dialects. Ottawa, King's Printer, 1928. 134 p. (Canadian Arctic

Expedition, 1913-18. Report. v. 15: Eskimo language and technology, Pt. A)

Contains a list of about two thousand words, with meanings and dialect variants, from Eskimos of Coronation Gulf, Mackenzie delta, North and West Alaska (Barrow, Wales (Bald Head), Inglestat and Nunivak Island) and East Cape (mys Dezhneva) on Chukotsk Peninsula (through observations); and from Greenland and Labrador Eskimos (through literature), with some introductory discussion. *Copy seen:* DSI-M.

8028. JENNESS, DIAMOND, 1886-. The Copper Eskimos. (Geographical review, Aug. 1917, v. 4, p. 81-91, illus., map)

A report, submitted to the Canadian government, and dated July 18, 1916, H. M. S. Alaska, Young Point, N.W.T., on the author's studies among the Eskimos, 1914-16, while he was with the southern party of the Canadian Arctic Expedition 1913-18. The author outlines the geographic distribution of five groups (with map) and describes their customs. *Copy seen:* DLC.

8029. JENNESS, DIAMOND, 1886-. The cultural transformation of the Copper Eskimo. (Geographical review, Oct. 1921, v. 11, p. 541-50, sketch map)

History of these natives' encounters with explorers, from Hearne in 1771, to Barnard in 1914; discussion of their old culture and their acculturation. *Copy seen:* DLC.

8030. JENNESS, DIAMOND, 1886-. Eskimo art. (Geographical review, Apr. 1922, v. 12, p. 161-74, illus.)

Contains discussion of Eskimo drawing in general, and especially of examples from Smith Sound, region of northwest Greenland, Great Whale region of Hudson Bay, and Cape Prince of Wales, northern Alaska. *Copy seen:* DLC.

8031. JENNESS, DIAMOND, 1886-. Eskimo string figures. (Journal of American folk-lore, 1923, v. 36, p. 281-94)

Designed as appendix to the author's *Eskimo string figures*, 1924, *q.v.*, this paper contains a discussion of Eskimo beliefs concerning string figures, also of distribution of Eskimo string figures. *Copy seen:* DLC.

8032. JENNESS, DIAMOND, 1886-. Eskimo string figures. Ottawa, King's Printer, 1924. 192 p. illus., map. (Canadian Arctic Expedition, 1913-18. Report. v. 13: Eskimo folk-lore, Pt. B.)

Contains descriptions, illustrations and discussion of one hundred fifty-six string figures, known among North Alaska, Mackenzie and Copper Eskimos; also table showing distribution among the Chukchis, and the Eskimos of Siberia, west and north coast of Alaska, and the Mackenzie, Coppermine and Hudson Bay regions. *Copy seen:* DSI-M.

8033. JENNESS, DIAMOND, 1886-. The Eskimos of northern Alaska: a study in the effect of civilization. (Geographical review, Feb. 1918, v. 5, p. 89-101, illus., map)

Contains a discussion of changes in hunting implements, population distribution, social and family life, and social system (morality, hygiene, etc.); the missionary influence, trapping as an economic readjustment, education and future prospects. *Copy seen:* DLC.

8034. JENNESS, DIAMOND, 1886-. Ethnological problems of arctic America. (In: American Geographical Society, N. Y. Problems of polar research, 1928, p. 166-75)

Brief statement of work remaining to be done on the early Eskimo cultures (Thule, Cape Dorset, and Bering Sea cultures) and on archeology, and physical anthropology. *Copy seen:* DLC.

8035. JENNESS, DIAMOND, 1886-. Ethnology and archaeology. (In: A program of desirable scientific investigations in arctic North America. *Pub. as:* Arctic Institute of North America. Bulletin, Mar. 1946. No. 1, p. 57-59)

Suggests need for archeological studies at specific places in Alaska, in central Arctic, and Labrador, and for linguistic socio-economic, and ethno-medical studies in the Arctic. *Copy seen:* DLC; DSI-M; CaMAL.

8036. JENNESS, DIAMOND, 1886-. Grammatical notes on some Western Eskimo dialects. Ottawa, King's Printer, 1944. 34 p. (Canadian Arctic Expedition, 1913-18. Report. v. 15: Eskimo language, Pt. B.)

Contents: Barrow dialect, p. 5-29. Other Western dialects, p. 29-34. *Copy seen:* DLC.

8037. JENNESS, DIAMOND, 1886- .
A Hare Indian dog. (Canadian field naturalist, Apr. 1937. v. 51, p. 47-50, illus.)

Description quoted from Sir John Richardson's *Fauna boreali-americana*, 1829, of the breed of dogs found around Great Bear Lake, and discussion of the apparently similar breed recently encountered in northern British Columbia.

Copy seen: DLC.

8038. JENNESS, DIAMOND, 1886- .
The Indians of Canada. Ottawa, King's Printer, 1932. x, 446 p. col. front. illus. col. plates, maps (incl. 1 fold.) (Canada. National Museum. Bulletin 65)

Basic work, based on the author's field investigations, study of the literature, museum specimens, etc.

Contains chapters on language, economic conditions, food resources, hunting and fishing, dress, dwellings, transportation, trade, social life and organization, religion, folklore, art, archeology; on Indian origins and relations with white people; also chapters on tribal groups individually including Montagnais and Naskapi, Cree, Tlingit, Sikani, Beaver, Chipewyan, Yellowknife, Slave, Dogrib, Hare, Nahani and Kutchin Indians, and Eskimos. Bibliography, p. 430-36.

Map: Aborigines of Canada, linguistic families and tribal locations, scale 1:12,500,000.

Copy seen: DLC.

8039. JENNESS, DIAMOND, 1886- .
The Indians of Canada. Second edition. Ottawa, King's Printer, 1934. x, 446 p. col. front. illus. col. plates, maps (incl. 1 fold.) (Canada. National Museum. Bulletin 65)

Another printing of the item above, with some topographical errors corrected and errata slip inserted at p. 401.

Copy seen: CaO.

8040. JENNESS, DIAMOND, 1886- .
The Indians of the Northwest Territories and Yukon. (*In:* Bethune, W. C., and others. Canada's western northland, 1937. p. 49-60, illus., sketch map)

Contains a succinct account of the nine tribes of Athapaskans, with a map of approximate distribution; and notes on their material culture, status of women, customs, and amusements.

Copy seen: DLC.

8041. JENNESS, DIAMOND, 1886- .
The life of the Copper Eskimos. Ottawa, King's Printer, 1922. 277 p. illus. (diags. and photos.), 9 plates (photos), maps. (Canadian Arctic Expedition, 1913-18. Report. v. 12: The Copper Eskimos, [Pt. A])

A detailed study of Eskimos of Coronation Gulf region, their social and spiritual culture. *Contains* chapters on the country, population, trade, dwellings, social organization, food, winter and summer life, hunting and fishing, marriage and children, sickness and death, religious beliefs, shamanism, amusements, psychology and morality. Bibliography, p. 250-51.

This part is indexed in General index to volume 12, The Copper Eskimos, in: Cameron, J. *Osteology of Western and Central Eskimos*, 1923.

Copy seen: DSI-M.

8042. JENNESS, DIAMOND, 1886- .
Little Diomed Island, Bering Strait. (Geographical review, Jan. 1929. v. 19, p. 78-86, illus.)

A description of archeological material (dwellings and artifacts) resulting from excavations during the summer 1926, and a discussion of its relationship to the Thule culture, with notes on the flora, fauna, physical characteristics and inhabitants of the island.

Copy seen: DLC.

8043. JENNESS, DIAMOND, 1886- .
Material culture of the Copper Eskimo. Ottawa, King's Printer, 1946. 148 p. col. front., 189 illus. and plates (partly col.) Canadian Arctic Expedition, 1913-18. Report. v. 16)

Contains chapters (with introductory discussions and descriptions of specimens) on material resources, dress and adornment, household furniture, tools and weapons, miscellaneous (sleds, harness, packs, kayaks), playthings.

Copy seen: DSI-M.

8044. JENNESS, DIAMOND, 1886- .
Myths and traditions from northern Alaska, the Mackenzie delta, and Coronation Gulf. Ottawa, King's Printer, 1924. 90 p. (Canadian Arctic Expedition, 1913-18. Report. v. 13: Eskimo folk-lore, Pt. A)

Introductory discussion and texts of ninety-four stories in English translation, of which thirteen are given also

in Eskimo dialect with word-for-word rendering into English.

Copy seen: DSI-M.

8045. JENNESS, DIAMOND, 1886- . A new Eskimo culture in Hudson Bay. (Geographical review, 1925. v. 15, p. 428-37, illus.)

A discussion of the Cape Dorset culture, here described for the first time, in relation to the Thule culture, based on collections from the Hudson Bay region.

Copy seen: DLC.

8046. JENNESS, DIAMOND, 1886- . Notes on the phonology of the Eskimo dialect of Cape Prince of Wales, Alaska. (International journal of American linguistics, 1927. v. 4, p. 168-80)

Describes the Eskimo dialect of Cape Prince of Wales, and compares it (in a comparative vocabulary of over 200 words) with dialects of Barrow, the Mackenzie River delta, Coronation Gulf, and Greenland. All vocabularies except that of Greenland were collected in the field by Jenness from 1913 to 1923.

Copy seen: DLC.

8047. JENNESS, DIAMOND, 1886- . Origin of the Copper Eskimos and their Copper culture. (Geographical review, Oct. 1923. v. 13, p. 540-51, illus., sketch map)

Contains remarks upon the ancient population in Coronation Gulf, the western derivation of its archeological remains, and a full discussion upon the author's thesis that present day Copper Eskimos represent migration from the east. Includes discussion of their intellectual culture and its affiliations, the origin of the copper culture, and remarks on migration of Eskimos.

Copy seen: DLC.

8048. JENNESS, DIAMOND, 1886- . The people of the twilight, by Diamond Jenness; drawings by Claude Johnson. New York, Macmillan Co., 1928. 3 p. l., xi-xii p., 3 l., 247 p. illus., 16 plates, map, maps on lining-papers. Also published in German and (in preparation) Spanish translations.

During the Canadian Arctic Expedition, the author spent three years, 1914-17, among the Copper Eskimos of Bernard Harbour and Coronation Gulf. Here he tells of his life with one family, of their seasonal patterns of life, hunting trips, and beliefs.

Copy seen: DLC; NNSf.

8049. JENNESS, DIAMOND, 1886- . Physical characteristics of the Copper Eskimos. Ottawa, King's Printer, 1923. 65 p. 12 plates (photos), tables. (Canadian Arctic Expedition, 1913-18. Report. v. 12: The Copper Eskimos, Pt. B)

Contains field data on individuals and their measurements, and discussions. Covers Eskimos of the Dolphin and Union Strait and Coronation Gulf region (mainland and Victoria Island), also a few of Mackenzie River and Hudson Bay regions.

This part is indexed in General index to volume 12, The Copper Eskimos, in: Cameron, J. *Osteology of Western and Central Eskimos*, 1923.

Copy seen: DSI-M.

8050. JENNESS, DIAMOND, 1886- . The problem of the Eskimo. (In: Jenness, D., ed. The American aborigines, their origin and antiquity; a collection of papers . . . for presentation at the Fifth Pacific Science Congress, Canada, 1933. Toronto, 1934, p. 371-96)

Contains discussion of racial origin, language, and culture, a review of the results of research in physical anthropology, linguistics, and archeology.

Copy seen: DLC.

8051. JENNESS, DIAMOND, 1886- . Schneehütten-Völkchen, ein Reisebericht aus der Arktis. Wiesbaden, H. Hartmannshenn [1947] 139 p. *Title tr.*: Snowhouse people, account of a journey in the Arctic.

Translation of his *People of the twilight*, 1928, q.v.

Copy seen: DLC.

8052. JENNESS, DIAMOND, 1886- . The village of the crossroads. (Forest and outdoors, Jan. 1936. v. 32, p. 14, 20)

Popular account of Pond Inlet, northern Baffin Island, at a "crossroads" of Eskimo migration routes through the region.

Copy seen: DA.

JENNESS, DIAMOND, 1886- , see also Bédard-d'Harcourt, M. *Système pentaphone, chants Copper-Eskimos*. 1928.

JENNESS, DIAMOND, 1886- , see also Bentham, R., & D. Jenness *Eskimo remains SE. Ellesmere I.* 1941.

JENNESS, DIAMOND, 1886- , see also Cadzow, D. A. *Native copper objects*. 1920.

JENNESS, DIAMOND, 1886- , *see also* Collins, H. B. Prehistoric Eskimo harpoon heads Bering Strait. 1941.

JENNESS, DIAMOND, 1886- , *see also* Gabel-Jørgensen, C. C. A. Knud Rasmussen. 1934.

JENNESS, DIAMOND, 1886- , *see also* Quimby, G. I. Manitunik Eskimo culture E. Hudson B. 1940.

JENNESS, DIAMOND, 1886- , *see also* Roberts, H. H., & D. Jenness. Songs of the Copper Eskimos. 1925.

8053. JENNESS, EILEEN. Little Diomedé; an arctic "Bonaventure Island." (Canadian geographical journal, Aug. 1933. v. 7, p. 87-92, illus.)

Description of the tiny settlement of Eskimos on the island, and of the seabirds which nest there during summer months.

Copy seen: DLC.

8054. JENNESS, JOHN L. Permafrost in Canada. Origin and distribution of permanently frozen ground, with special reference to Canada. (Arctic, May, 1949. v. 2, p. 13-27, illus., diagrs., 2 fold. maps)

"This paper was originally submitted to the Royal Geographical Society, London, and received its University Essay Award for 1948."—Footnote.

Description of the origin, formation, and growth of permafrost, its relation to mean annual temperature and vegetation; notes on age of permafrost in Canada; mention of unsolved problems connected with the phenomenon in Canada; bibliography (20 items).

Copy seen: CaMAI; DLC.

8055. JENNINGS, J. N. Glacier retreat in Jan Mayen. (Journal of glaciology, Oct. 1948. v. 1, p. 167-71, 178-81, incl. plate, sketch map)

Results of observations made during the Imperial College of Science Expedition, 1938.

Contains description of the relief and nature of the island's glaciation, the state of the ice margin of the fifteen glaciers on Beerenberg, a comparison with previous conditions, a note on relative activity of the glaciers, a list of English and Norwegian equivalent place names, and a bibliography (9 items).

Copy seen: CaOGB; DGS.

8056. JENNINGS, J. N. The glaciers of Jan Mayen. The Imperial College Expedition to Jan Mayen Island, Appendix II. (Geographical journal, Aug. 1939. v. 94, p. 128-31, sketch map)

Description (in brief) of the forms, freeze-thaw processes, rapid surface loss, rime masses, and extensive moraines of the glaciers, all of which are on the Beerenberg. *Copy seen:* DLC.

JENNINGS, J. N., *see also* King, A. & J. N. Jennings. Imperial College Exped. Jan Mayen Island. 1939.

8057. JENNINGS, OTTO EMERY, 1878- . Algae and Fungi of Southampton Island. (*In:* Sutton, G. M., and others. The exploration of Southampton Island. *Pub.* in: Pittsburgh. Carnegie Institute. Museum. Memoirs, 1936. v. 12, pt. 3, p. 1-4, plate)

List, with synonyms and notes of two species of fresh-water algae, and of eight (including with description, one new) species of fungi.

Copy seen: DSI-M.

8058. JENNINGS, OTTO EMERY, 1878- , and others. Botany. Pittsburgh, 1936. 1 p. l., 34 p. 2 plates. (*In:* Sutton, G. M., and others. The exploration of Southampton Island, Hudson Bay. *Pub.* as: Pittsburgh. Carnegie Institute. Museum. v. 12, pt. 3)

Contents: 1. JENNINGS, O. E. Algae and Fungi of Southampton Island.

2. RAUP, L. C. Lichenes (lichens).

3. JENNINGS, O. E. Bryophyta (bryophytes).

4. RAUP, H. M. Pteridophyta and Spermatophyta.

Each of these papers appears in this Bibliography under its author's name. *Copy seen:* DSI-M.

8059. JENNINGS, OTTO EMERY, 1878- . Bryophyta (bryophytes) of Southampton Island. (*In:* Sutton, G. M., and others. The exploration of Southampton Island, Hudson Bay. *Pub.* in: Pittsburgh. Carnegie Institute. Museum. Memoirs, 1936. v. 12, pt. 3, p. 7-16, plate)

List, with synonyms and notes on twenty-seven (including with description, one new) species of mosses, and seven liverworts.

Copy seen: DSI-M.

8060. JENNOV, J. G. Østgrønlandsk fangstkompagni Nanok A/S. København, Ejnar Munksgaard, 1939. 123 p. illus., 27 plates, 5 maps. (Dansk og norsk fangstvirksomhed paa Østgrønland, del C. *Publ. in Publikationer om Østgrønland*, nr. 8) *Title tr.*: East Greenland Trapping and Sealing Company "Nanok" [i.e. "Polar bear"]

Account of the establishment of the "Nanok" Company in 1929, to develop economic possibilities and carry on trade and shipping; its activities, 1929-39, in East Greenland 73°45'-77°N.; Norwegian interests in, and occupation of, part of East Greenland; decision, 1933, of the International Court regarding sovereignty of East Greenland in favor of Denmark; remarks on Danish trapping and conservation regulations, occurrence of musk oxen, foxes, reindeer, etc., in East Greenland; also (p. 123) list of stations, huts, etc., erected by the company.

Illustrations and plates show more than 100 drawings and photographic views of animals, plants, trading posts, personnel, etc. *Maps* show regions of interest, posts, etc. of the "Nanok" Trapping Co. *Copy seen:* DSI-M.

8061. JENNOV, J. G. Østgrønlandsk fangstkompagni "Nanok's" "Gefion" ekspedition til Danmarkshavn og Hvalrosodden juli-september 1932 og nogle iagttagelser vedrørende isforhold ved den grønlandske nordøstkyst. København, Levin & Munksgaard, 1935. 54 p. illus. 4 charts. (Publikationer om Østgrønland, nr. 2) *Title tr.*: The East Greenland Trapping Company "Nanok" Expedition in the *Gefion* to Danmark Harbor and Walrus Point, July-September 1932, and some observations regarding ice conditions on the northeast coast of Greenland.

Report of the Danish *Gefion* Expedition, 1932, to take possession of Danmark Harbor and Walrus Point on Dove Bay and establish stations there.

Contains excerpts of the author's diary, describing the trip through the ice belt to Danmark Harbor and other points on Dove Bay; the unloading of equipment, building of stations, and oceanographic observations made, etc.

Remarks on the *Gefion* Expedition 1932 (and others' previous) observations of ice conditions in Dove Bay and elsewhere along the northern parts of the East Greenland coast.

Tables of ice reports from the "Nanok" Trapping Co. stations at Germania Harbor, 1934, Hochstetter Foreland and Bessel Fiord, 1932-34, Walrus Point, 1932-34.

Tables of soundings and position of reefs at various localities in East Greenland waters 75°38'-76°54'N.

Bathymetric and ice charts of Dove Bay and offshore waters.

Copy seen: DSI-M.

8062. JENSEN, ADOLF SEVERIN, 1866-. Concerning a change of climate during recent decades in the arctic and subarctic regions, from Greenland in the west to Eurasia in the east, and contemporary biological and geophysical changes. København, E. Munksgaard, 1939. 75 p. 2 charts. (Danske videnskabernes selskab, Biologiske meddelelser. Bd. 14, nr. 8)

"Many southern species of animals, including mammals, birds, fish and invertebrates, have in recent years been able to extend their area of distribution farther north, whilst . . . the southern limit of certain northern species has retreated northwards. The cause of these zoogeographical changes is sought in the fact . . . that the temperature of the sea and air has risen . . . there has been a retreat of the ice-boundary in arctic seas, whilst on land the glaciers and tundras have diminished and retreated."—Summary.

The author reviews the hydrographic conditions, air temperatures and ice conditions from Greenland to Northern Land (Severnaya Zemlya), and notes changes in glaciers and tundras.

Copy seen: CaMAI; DSI-M.

8063. JENSEN, ADOLF SEVERIN, 1866-. Contributions to the ichthyofauna of Greenland, 1-3. Copenhagen, 1942. 44 p. illus., 8 plates. (Copenhagen. Universitet. Zoologiske Museum. Skrifter. 2. Spolia Zoologica Musei Hauniensis II)

Contents: 1. The northern species of the genus *Paralepis*.

2. The Greenland species of the genera *Leptagonus* and *Aspidophoroides*.

3. The Greenland species of the genus *Phobis*.

Descriptions, notes on distribution of juvenile and adult stages, guarding of eggs (etc.) of eleven species from waters of Davis and Denmark Straits.

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8064. JENSEN, ADOLF SEVERIN, 1866-. The fauna of Greenland. (In: Greenland. Copenhagen, 1928. v. 1, p. 319-55, illus.)

Remarks on the number of species and their range (land and marine mammals treated individually); mammals, birds, fishes and invertebrates, with a bibliography. **Copy seen:** DLC.

8065. JENSEN, ADOLF SEVERIN, 1866-. Fishes. Kristiania, A. W. Brøgger, 1910. 7 p. (Norske videnskapsakademi i Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902. v. 3, no. 25)

List, with localities and notes and measurements of eleven species from the Jones Sound region and Smith Sound. **Copy seen:** DLC.

8066. JENSEN, ADOLF SEVERIN, 1866-. The fishes of East-Greenland. (In: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 3. del, nr. 7. Pub. in: Meddelelser om Grønland, 1909, 29. hefte, p. 211-76, plates XVI-XVIII)

List, with references to literature, synonymy, localities, descriptions and remarks, of thirty-six species, including two fresh-water species and comprising all known fishes from the east coast of Greenland. **Copy seen:** DLC.

8067. JENSEN, ADOLF SEVERIN, 1866-. En folkefest i Grønland. (Grønlandske selskab. Aarskrift, 1915. p. 102-106) **Title tr.:** A people's festival in Greenland.

Describes a community gathering at Lichtenau, Julianehaab District, with kayak games, competitions, etc., in harpooning and other feats of physical prowess, or skill. **Copy seen:** DLC.

8068. JENSEN, ADOLF SEVERIN, 1866-. Fortegnelse over skaller af bivalve grundtvandsmollusker fra de store havdyb mellem Jan Mayen og Island. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1902. Bd. 54, p. 43-45) **Title tr.:** List of shells of bivalve marine mollusks from the deep waters between Jan Mayen and Iceland.

Supplement to the author's *Om levninger af grundtvandsdyr paa store havdyb mellem Jan Mayen og Island*, 1901, q.v., containing list with descriptive remarks and localities, of shells of nine species found by the *Ingolf* Expedition, 1896. **Copy seen:** DLC.

8069. JENSEN, ADOLF SEVERIN, 1866-. The Greenland halibut (*Reinhardtius hippoglossoides* (Walb.)) its development and migrations. København, Levin & Munksgaard, 1935. 32 p. illus., 4 plates, 6 charts. (Danske videnskabernes selskab. Skrifter; naturv. og math. Afd. Række 9, Bd. 6, nr. 4)

Contains discussion of the reproduction, the migrations connected therewith and occurrence of the larvae (west coast between 60°-68°N.), nursery grounds of young halibut, dimensions, metamorphosis and later changes. **Copy seen:** DF.

8070. JENSEN, ADOLF SEVERIN, 1866-. Grønlands fauna; et forsøg paa en oversigt. København, B. Luno, 1928. 87, [1] p. fold. map. **Title tr.:** The fauna of Greenland. An attempt at a survey.

Special publication of the University of Copenhagen, in honor of His Majesty the King's birthday.

Contains a discussion of the origin of the land and fresh-water fauna of Greenland; data on mammals, birds, fishes and invertebrates; notes on the distribution of the species; household animals: dogs, horses, cattle, sheep, goats, etc.; extinction of certain species through ruthless hunting; measures for preservation of wildlife; hunting of the seal, eider-duck and fur-bearing animals, etc. Includes list of species, bibliography (p. 84-87), map showing the peregrinations of the Greenland whale (*Balaena mysticetus*) to its breeding places, also the distribution. **Copy seen:** NN.

8071. JENSEN, ADOLF SEVERIN, 1866-. Hvorfra stamme otolitherne i "Ingolf's bundprøver? (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1900, pub. 1901. Bd. 52, p. 251-54) **Title tr.:** What is the origin of the *Ingolf's* bottom samples?

Rectification, based on investigation of distribution of cod by the *Michael Sars* Expedition, 1900-1901, of the author's theory (discussed in his *Om levninger af grundtvandsdyr paa store havdyb mellem Jan Mayen og Island*, 1901, q.v.) regarding the origin of cod otoliths ("ear stones") found in the deep waters between Jan Mayen and Iceland by the *Ingolf* Expedition, 1896. **Copy seen:** DLC.

8072. JENSEN, ADOLF SEVERIN, 1866-. Investigations of the "Dana" in West Greenland waters, 1925. (International Council for the Study of the Sea. Rapports et procès-verbaux, 1926. v. 39, p. 85-102, incl. 3 sketch charts)

Report on the main object of the cruise which "was to form an idea as to the occurrence of the cod on the banks in Davis Strait, and to investigate the breeding conditions of this species." Includes also remarks (with lists of fishes) on the difference in the fish fauna south and north of the Greenland-Baffin Land ridge.

Appendix: List of fishes of Greenland (one hundred species).

Copy seen: DF.

8073. JENSEN, ADOLF SEVERIN, 1866-. Klimasvingninger over arktis og deres følgevirkninger, med særligt henblik paa Grønland. (Grønlandske selskab. Aarsskrift. 1944. p. 7-19, map) Title tr.: Climatic changes in the Arctic and their subsequent effects, especially with relation to Greenland.

Notes a rise in winter temperature of air and water in arctic regions during the recent decades; its influence on ice conditions, wildlife, and, especially on the cod, its migration and periodic abundance in Greenland waters; notes extended season of navigation in Spitsbergen and other arctic areas. Includes statistics and map of regions mentioned by the author.

Copy seen: NN.

8074. JENSEN, ADOLF SEVERIN, 1866-. Lamellibranchiata. (Part I). Copenhagen, B. Luno, 1912. 2 p. l., 119 p. 4 plates, table. (Ingolf-expedition, 1895-1896. [Reports] v. 2, pt. 5)

Based on collections of the cruiser *Ingolf* in Davis and Denmark Straits and Greenland Sea, and upon many other collections, especially from Iceland and Faeroe Islands waters. Contains a revision of the species; and detailed discussion of taxonomy, distribution and habitats in waters of Iceland and The Faeroes, arctic distribution in general, and localities of the *Ingolf* Expedition collections, in a classified list of forty-nine (including with description, one new) species of bivalve mollusks (clams).

Copy seen: DSI-M.

8075. JENSEN, ADOLF SEVERIN, 1866-. The marsipobranchs of Greenland. (Dansk naturhistorisk forening. Videnskabelige meddelelser, København, 1941. Bd. 105, p. 55-57)

Discussion of a hag-fish and sea-lamprey and deletion from the record of one river lamprey, all of West Greenland.

Copy seen: DSI-M.

8076. JENSEN, ADOLF SEVERIN, 1866-. Naturforskeren Otto Fabricius. (In: Kornerup, B. Biskop dr. theol. Otto Fabricius, 3. del. Pub. in: Meddelelser om Grønland, 1923. Bd. 62, p. 331-400) Title tr.: Otto Fabricius as a natural scientist.

Contains discussion of Fabricius' *Fauna groenlandica*, q.v. (with a section on his contribution to the knowledge of Greenland whales), of his *Udførlig beskrivelse over de grønlandske sæler* (complete description of the Greenland seals), and of other papers based on his observations in Greenland, Norway and Denmark; also discussion of his ethnographical and anthropological papers and his paper on the Greenland drift ice. Bibliography of the scientific works of Fabricius, p. 396-99.

Copy seen: DLC.

8077. JENSEN, ADOLF SEVERIN, 1866-. A new deep sea berycoid fish from Davis Strait *Caristius groenlandicus* n.sp. (Dansk naturhistorisk forening, København. Videnskabelige meddelelser, 1941. Bd. 105, p. 49-53, plate)

Copy seen: DSI-M.

8078. JENSEN, ADOLF SEVERIN, 1866-. The North-European and Greenland Lycodinae. Copenhagen, B. Luno, 1904. 2 p. l., 99 p. illus., 10 plates. (Ingolf-expedition, 1895-1896. [Reports] v. 2, pt. 4)

Based largely on the collections of the cruiser *Ingolf* in waters of Davis and Denmark Straits and Greenland Sea; with specimens from Kara Sea and Svalbard waters included. Contains discussion of distribution, a key to the species, and a fully annotated, classified list of twelve species of these fishes, including notes on their occurrence, distribution, reproduction, morphology and taxonomy.

Copy seen: DSI-M.

8079. JENSEN, ADOLF SEVERIN, 1866- . Om de for aarene 1908-09 planlagte fiskeriundersøgelser ved Grønland. (Grønlandske selskab. Aarskrift, 1907, p. 79-99) *Title tr.*: Concerning the Greenland fishery investigations planned for the years 1908-09.

Report on investigations planned in Greenland and methods to be used. Suggests replacing traditional by modern methods, based on biological research; discusses importance of sealing as livelihood for Eskimos; need for its (also fishing's) extension by new methods, new fishing waters; various fishes, distribution, spawning areas. Need for fisheries research vessels; purpose of investigations planned: to discover economically profitable fishes and fishing grounds for the Greenlanders.

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8080. JENSEN, ADOLF SEVERIN, 1866- . Om levninger af grundtvandsdyr paa store havdyb mellem Jan Meyen og Island. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1901. Bd. 52, p. 229-39) *Title tr.*: On remains of shallow-water animals in the deep seas between Jan Mayen and Iceland.

Discussion of shells of shallow-water molluscs and otoliths of shallow-water cod found by the *Ingolf* Expedition, 1896, in the deep waters between Iceland and Jan Mayen; also theories on their origin, including the possibility of a gradual subsidence of the ocean floor; with list and sketch map of stations supplemented by the author's *Hvorfra stamme otolitherne i "Ingolf's bundprøver?* 1901, and *Fortegnelse over skaller af bivalve grundtvandsmollusker*, 1902, q.v.

Discussed in A. C. Johansen's *Om aflejring af molluskernes skaller*, 1902, q.v. and his *On the hypotheses on the sinking of sea beds*, 1902, q.v.; O. B. Bøggild's *Om en formodet sænkning af havbunden mellem Island og Jan Mayen*, 1902, q.v., and in W. C. Brøgger's *Landets høide over havet under den store nedisning*, 1900, q.v.

Copy seen: DLC.

8081. JENSEN, ADOLF SEVERIN, 1866- . On the fishery of the Greenlanders. København, C. A. Reitzel, 1925. 39 p. incl. map. illus. (Denmark Kommissionen for havundersøgelser. Meddelelser; ser.: fiskeri. Bd. 7, nr. 7)

The leader of the Danish fishery investigations, with the brig *Tjalfe*, 1908-09, which cruised West Greenland waters from Cape Farewell to Umanak, investigating fiords and coasts, the banks and deep sea, gives here a description of the state of the fishery at the beginning of the century; the results of investigations on halibut, shark, cod, salmon, herring, haddock, and several other fishes, 1908-09; and the development of the Eskimos' fishery after 1909. Includes details of Eskimo fishing methods and implements, and of curing the fish.

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8082. JENSEN, ADOLF SEVERIN, 1866- . On the Mollusca of East-Greenland. I. Lamellibranchiata. With an introduction on Greenland's fossil mollusc-fauna from the Quaternary time, 1905. (*In:* Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 3. del, nr. 9. *Pub.* in Meddelelser om Grønland, 1909. 29. hefte, nr. 9, p. 287-362, illus.)

Discussion of previous literature on the fossil molluscan fauna of Greenland, and list, with localities and remarks of forty-one (including twelve new) species of oysters, clams, etc., collected in East Greenland waters; also remarks, with localities, of fossils found in East Greenland.

Copy seen: DLC.

8083. JENSEN, ADOLF SEVERIN, 1866- . Quaternary fossils collected by the *Danmark* Expedition. Danmarksekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 21. (Meddelelser om Grønland, 1917. Bd. 43, p. 619-32)

Contains a list of eighteen molluscs, one serpulid, one barnacle and one echinoderm; a list of the localities from Koldewey Island, and Germania, Holm's, Amdrup's, and Peary Lands, with remarks on the altitudes (up to 125 meters) where found, and one species of *Pecten* not previously found so far north, all pointing to shifts in the climate and shorelines.

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8084. JENSEN, ADOLF SEVERIN, 1866- . Remarks on the Greenland eel, its occurrence and reference to *Anguilla rostrata*. København, C. A. Reitzel, 1937. 8 p. illus. (sketch map). (Meddelelser om Grønland. Bd. 118, nr. 9)

Records of the American eel which occurs nowhere else so far north as in southwest Greenland. Why it is the species which is found in the rivers and lakes there, rather than the European eel, is an open question.

Copy seen: DSI-M.

8085. JENSEN, ADOLF SEVERIN, 1866-. Researches on the distribution, biology, and systematics of the Greenland fishes. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1922. Bd. 74, p. 89-109)

Based on investigations by the author during the *Tjalfe* Expedition in Davis Strait, 1908-09, and on a study of museum collections. This is the first of a series of detailed studies of certain species. It contains a report on distribution, propagation, growth, catch and use, food, East Greenland occurrence, systematic remarks and description of young stages of *Sebastes marinus* L., the "Norway haddock".

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8086. JENSEN, ADOLF SEVERIN, 1866-. Two new West Greenland localities for deposits from the ice age and the post-glacial warm period. København, E. Munksgaard, 1942. 35 p. illus., 3 sketch maps. (Danske videnskabernes selskab. Meddelelser. Bd. 17, nr. 4)

Based on a study of Quaternary shells from raised beaches of North and South Strømfjord, which form the northern and southern limits of Holsteinsborg District. Descriptions of the two localities; a discussion of the present day circumpolar distribution and ecology of *Portlandia* (*Yoldia*) *arctica* and why it is extinct along West Greenland waters; the distribution of *Pecten groenlandicus*, and notes on other molluscs and a barnacle found at the southern locality.

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8087. JENSEN, ADOLF SEVERIN, 1866-. Udviklingen af Grønlandernes fiskeri 1910-1925. (Grønlandske selskab. Aarskrift, 1925-26. p. 15-38, illus., tables) *Title tr.*: The development of the Greenlanders' fishery, 1910-1925.

Summarizes development of fisheries in West Greenland, following investigations in the *Tjalfe*, 1908-09; contains statistics on halibut, cod, salmon, and shark fishery; also on shark liver

production, etc. Includes recommendations for future development. Criticism in O. Bendixen, *Grønlandernes fiskeri*, 1926-27, q.v.

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8088. JENSEN, ADOLF SEVERIN, 1866-, and P. M. HANSEN. Investigations on the Greenland cod (*Gadus callarias* L.) with an introduction on the history of the Greenland cod fisheries. (International Council for the Study of the Sea. Rapports et procès-verbaux, 1931. v. 72, no. 1, p. 1-41, incl. tables, 3 sketch maps, diags.)

Contains remarks on spawning conditions, age and growth, fluctuations in the composition of the stock, food, migrations, time of appearance on the banks, and changes in the marine fauna of southwest Greenland coinciding with mass occurrence of cod; bibliography.

Copy seen: DF.

8089. JENSEN, ADOLF SEVERIN, 1866-, and P. M. HANSEN. Undersøgelser over den Grønlandske torsk (*Gadus callarias* L.) med en inledning om de Grønlandske torskfiskeriers historie. København, Universitetsbogtrykkeriet, 1930. 55 p. illus., tables, 2 sketch maps, diags. *Title tr.*: Investigations of the Greenland cod (*Gadus callarias* L.) with an introduction to the history of Greenland's cod fisheries.

Contains a study of migration, age groups, distribution, fluctuation, food and marking experiments; with a bibliography (15 items).

Copy seen: NNStef.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Brøgger. W. C. Landets høide over havet. 1900-1901.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Degerbøl. M., & others. Zoology E. Greenland. 1937-48.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Dúason, J. Forslag til genrejsning. 1916.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Greenland. 1928-29.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Grønland i tohundredaaret for Egedes landing. 1921.

JENSEN, ADOLF SEVERIN, 1866-, *see also* Grønland i tohundredaaret for Egedes landing. (trade ed.) 1921.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Hansen, P. M., & others. Cod
marking Greenland, 1924-33. 1935.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Harder, P., & others. Marine
Quaternary sediments Disko Bay. 1949.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Levinsen, G. M. R. Bryozoa
Danmark-eksped. 1917.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Posselt, H. J. Grønlands brachiopoder & bløddyr. 1898.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Steensby, H. P. Uddrag af
prof. H. P. Steensby's dagbog om
rejsen til "Vinland". 1931.

JENSEN, ADOLF SEVERIN, 1866- ,
see also Stephensen, K. Report Mala-
costraca Tjalfe-Exped. 1913.

8090. JENSEN, CHRISTIAN. The
polar ship "Maud"; brief history of
building and description. Bergen, John
Grieg, 1933. 13 p. 2 plates, 2 fold.
diagrs. (*Maud Expedition, 1918-1925.*
Scientific reports, v. 1, no. 2)

Detailed description of the *Maud's*
structure, designed for use in arctic
pack ice; and a résumé of her per-
formance. **Copy seen:** DSI-M.

**8091. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . Enume-
ratio Hepaticarum insulae Jan Mayen
et Groenlandiae orientalis a cl. P.
Dusén in itinere groenlandico Sueco-
rum anno 1899 collectarum. (Svenska
vetenskapsakademien. Föreläsningar,
1900. Årg. 57, p. 795-802) **Title tr.:**
Enumeration of Hepaticae of Jan
Mayen and East Greenland collected
by P. Dusén on the Swedish Expe-
dition to Greenland in 1899.

List, with localities, of twelve spe-
cies of liverworts collected on Jan
Mayen and twenty-nine in East Green-
land. **Copy seen:** DLC.

**8092. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . Fire for
Norge nye *Sphagnum*-arter. (Nytt ma-
gasin for naturvidenskapene, 1902. Bd.
40, hefte 2, p. 119-21) **Title tr.:** Four
species of *Sphagnum* new to Norway.

Contains taxonomic notes on four spe-
cies of *Sphagnum* new to the moss
flora of Norway, including *S. balticum*
found in the Finnmark and Tromsø
regions. **Copy seen:** MH-Z.

**8093. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . Hepati-
cae and Sphagnaceae from north-east
Greenland (N. of 76°N. lat.) collected
by the "Danmark-expedition" 1906-08,
determined by C. Jensen. 1910. Dan-
mark-ekspeditionen til Grønlands nord-
østkyst, 1906-1908. Bd. 3, nr. 7. (Med-
delelser om Grønland, 1917. Bd. 43,
p. 163-67)

Contains a list, with habitats, of
twenty liverworts and two sphagnum
mosses, from the environs of Danmark
Havn, on Germania Land, 76°46'N.
18°45'W. **Copy seen:** DLC.

**8094. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . List of
the Hepaticae and Sphagnales found
in East-Greenland between 75° and
65°35' lat. N. in the years 1898-1902
by C. Jensen. 1906. (*In:* Amstrup, G. C.
Carlsbergfondets expedition til Øst-
Grønland, 1911. 4. del, nr. 8. *Pub. in:*
Meddelelser om Grønland, 1911. 30.
hefte, p. 295-312, illus.)

List, with localities and remarks of
seventy-three species of mosses and
liverworts collected by the Carlsberg
Fund Expedition to East Greenland.
1898-1900, the Swedish Expedition to
Northeast Greenland, 1899, and
Kruuse's Botanical and Ethnological
Expedition to Angmagssalik, 1901-
1902; with list of stations. **Copy seen:** DLC.

**8095. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . Mosser
fra Novaia-Zemlia samlede paa
Dijmphna-expeditionen 1882-83 af Th.
Holm. (*In:* Lütken, C. F. Dijmphna-
togtets zoologisk-botaniske udbytte,
1877, p. 61-77) **Title tr.:** Mosses from
Novaya Zemlya collected on the
Dijmphna Expedition, 1882-83, by Th.
Holm.

List, with remarks, of twenty-two
species of mosses from the coasts of
Yugorskiy Shar Strait and Novaya
Zemlya. French summary of botanical
reports, p. 97-107. **Copy seen:** DLC.

**8096. JENSEN, CHRISTIAN ERAS-
MUS OTTERSTRØM, 1859-** . Mosser
fra Øst-Grønland, 1897. (Meddelelser
om Grønland, 1898. 15. hefte, p. 363-
445, illus.) **Title tr.:** Mosses from East
Greenland.

List, with synonymy, localities and
some descriptions, of two hundred fifty

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species, collected during the Expedition to East Greenland, 1891-1892; description, by J. Hagen, of the new species *Polytrichum Jensenii* Hag. is appended.

Copy seen: DLC.

8097. JENSEN, CHRISTIAN ERASMUS OTTERSTRØM, 1859- . Species nova *Marsupellae*, muscorum generis. (In: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 1911. 4. del, nr. 7. Pub. in: Meddelelser om Grønland. 30. hefte, p. 289-94, illus.) *Title tr.:* New species of *Marsupella*, a genus of mosses.

Description of the new moss species *Marsupella groenlandica*, occurring in East and West Greenland.

Copy seen: DLC.

JENSEN, CHRISTIAN ERASMUS OTTERSTRØM, 1859- , see also Lange, J. M. C., & C. E. O. Jensen. Grønlands mosser. 1887.

JENSEN, CHRISTIAN ERASMUS OTTERSTRØM, 1859- , see also Lindberg, S. O., & others. Musci Asiae borealis. 1889-1909.

8098. JENSEN, E. B. Going places down north. (Royal Canadian Mounted Police quarterly, Oct. 1948. v. 14, no. 2, p. 36-39, illus.)

Description of the means of transportation used by the R.C.M.P. force in the western Canadian Arctic. Notes the use of the dog team (with remarks on "arctic dog diseases" now known to be rabies), the canoe, motor boat, airplane, and the several machines (jeeps, trucks, etc.) recently introduced by U. S. armed forces in Canada.

Copy seen: CaOM.

8099. JENSEN, J. C., and O. HASTRUP. Grønlands overbetjente 1721-1908. (Grønlandske selskab. Aarskrift, 1908. p. 41-59) *Title tr.:* Public officials in Greenland 1721-1908.

Contains roster of leading officials in Greenland from the first days of Danish colonization, together with brief biographical data.

Copy seen: NN.

JENSEN, JENS A. D., see BILDSØE, JENS ARNOLD DIEDRICH JENSEN, 1849-1936.

8100. JENSEN, PETER FREDERIK, 1870- . Ekspeditionen til Grønland sommeren 1922. (Grønlandske selskab. Aarskrift, 1923-24. p. 50-52) *Title tr.:*

The expedition to West Greenland in the summer of 1922.

Notes results of investigations and calculations of the longitudinal and latitudinal positions of Godthaab, Julianehaab, etc.; establishing of station at Kornok for astronomical determinations; checking of the Wegener hypothesis (of continental drift) and experiments in the audibility of wireless signals, etc.

Copy seen: NNNStef.

8101. JENSEN, PETER FREDERIK, 1870- . Ekspeditionen til Vestgrønland sommeren 1922. (Meddelelser om Grønland, 1923. Bd. 63, p. 205-283, illus., tables, diagrs.) *Title tr.:* The expedition to West Greenland during the summer of 1922.

Contains (1) brief account of the journey to the Godhavn and Julianehaab Districts and the establishment of a polar station at Kornok on Godthaab Fiord, (2) discussion and tables of geodetic observations made at Godhavn, Egedesminde, Holsteinsborg, Kornok, Julianehaab and Godthaab; and (3) discussion of the displacement of Greenland according to Wegener's continental drift theory. Summary in French, p. 278-83. *Copy seen:* DLC.

8102. JENSEN, PETER FREDERIK, 1870- . Geografisk-geodætisk ekspedition til Vestgrønland, sommeren 1922. (Geografisk tidsskrift, 1923-24. Kjøbenhavn, 1924. Bd. 27, p. 83-89, 124-28, illus.) *Title tr.:* Geographic-Geodetic Expedition to West Greenland during the summer of 1922.

Account of the author's geodetic trip to Godhavn, Egedesminde, Holsteinsborg, Julianehaab and Godthaab, and the establishment of a polar station at Kornok (64°32'N. 51°05'W.) on Godthaab Fiord; also brief discussion of scientific results and the displacement of Greenland according to Wegener's continental drift theory.

Copy seen: DLC.

8103. JENSEN, POUL VALENTIN. Om faert og faertorganer hos dyr. (Grønlandske selskab. Aarskrift, 1942. p. 80-92, illus. diagrs.) *Title tr.:* About scent and the organs of scent in animals.

Discusses organs of scent, and glands of various species of mammals, found in Greenland.

Copy seen: NN.

8104. JENSEN, SØREN, 1873-1902. Mammals observed on Amdrup's journeys to East Greenland, 1898-1900. (*In*: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 3. del, nr. 1. *Pub.* in Meddelelser om Grønland, 1909. 29. hefte, p. 1-62, illus.)

Discussion, with localities, of sixteen land and sea mammals observed in East Greenland and coastal waters.

Copy seen: DLC.

8105. JENSEN, THEODOR. Eventyrferden med motorskibet "Elisif" langs Sibirkysten; et blad av norske sjøfolks historie. (Polar-årboken, 1941, p. 30-67, illus.) *Title tr.*: The adventurous voyage of the motor ship *Elisif* along the coast of Siberia; a leaf from the history of Norwegian seamen.

Popular account of the trip of the freighter *Elisif* from Norway (via Panama) to Seattle and the Siberian North Cape; her forced wintering there in the ice Sept. 1928-Aug. 5, 1929, her wreck near Cape Billings (mys Shmidt) Aug. 11; the rescue of crew and cargo. Includes remarks on trading with Eskimos, hunting, etc.

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8106. JENTINK, FREDERICUS ANNA. On *Cuniculus torquatus*, Pallas. [Leiden, etc. 1881] 2 p. (Zoologischen Ergebnisse . . . "Willem Barents", 1878-79. Nr. 14. *Pub.* in Niederländisches Archiv für Zoologie. Supplement-Bd. I)

Remarks on a rodent species from Novaya Zemlya. *Copy seen:* DSI-M.

8107. JÉRÉMIE, NICOLAS, 1669?-1732. Twenty years of York Factory, 1694-1714; Jérémie's account of Hudson Strait and Bay, translated from the French edition of 1720, with notes and introduction by R. Douglas, . . . and J. N. Wallace, . . . Ottawa, Thorburn and Abbott, 1926. 42 p. 2 plates, 3 maps (1 fold.) First published in J. F. Bernard's *Recueil de voyages du nord*, Amsterdam, 1720, v. 6. Reprinted in French as *Relation du détroit et de la baie d'Hudson* in Société historique de Saint Boniface. Bulletin, 1912. v. 2. 23 p.

Contains historical introduction on the author's identity, personalities of his time, etc., and narrative of Jérémie, a Quebec-born employee of the fur-trading Compagnie du Nord. He records his experiences with d'Iberville's

expedition against the English at Fort York on Hudson Bay, the fort's capture 1694, surrender 1696, recapture 1697 by the French; description of the region around Hudson Bay, Indian customs and activities of the French until the cession of the fort to the English after the Treaty of Utrecht.

Copy seen: CaOAr; DLC.

8108. JERVIS, W. W. The Royal Greenland Trade. (Tyneside Geographical Society. Journal, Oct. 1937. New ser., v. 1, p. 83-89, sketch map)

Review of Danish administration of the Greenlanders, and discussion of the considerations which have influenced the Danes in their decision to maintain monopoly trade in Greenland.

Copy seen: NNA.

8109. JESPERSEN, ERIK, 1875-. Frederik den syvendes kobbermine. (Grønlandske selskab. Aarskrift, 1914. p. 58-61, diagr.) *Title tr.*: Frederik VII's copper mine.

Brief account of ceremonies in 1851, marking the opening of the copper mine, on the island named for King Frederik VII (also called Coppermine Island) one mile south of Julianehaab on the way to Igalliko. Notes that the mine was exhausted after a few months' operation.

Copy seen: NN.

8110. JESPERSEN, ERIK, 1875-. Lidt om kvaegavl i Julianehaabs distrikt. (Grønlandske selskab. Aarskrift, 1915. p. 74-82, tables) *Title tr.*: Brief comments on cattle breeding in Julianehaab District.

Historical and statistical data; costs and profits on a sheep raising venture, 1912-13; preferred locality for livestock.

Copy seen: NN.

8111. JESPERSEN, ERIK, 1875-. Nyopdagede nordbo-ruiner, Julianehaab-distrikt. (Meddelelser om Grønland, 1911, *pub.* 1912. Bd. 50, p. 97-104, diagrs.) *Title tr.*: Newly discovered Norse ruins in the Julianehaab District.

Account of the finding of Norse ruins and brief description of them, by the minister of the Lutheran Church at Julianehaab.

Copy seen: DLC.

8112. JESPERSEN, POUL, 1891-. Dr. Thorild Wulff's plankton-collections in the waters west of Greenland. Metazoa, by P. Jespersen. 1923. (*In*: Thule ekspeditionen til Grønlands nordkyst.

2d, 1916-1918. [Beretninger] nr. 4. *Pub.* in Meddelelser om Grønland, 1927. Bd. 64, p. 101-160, sketch map, tables)

Discussions of the horizontal and vertical distribution of forty-three species of plankton collected in the waters surrounding Disko, and in Baffin Bay, with list of stations; bibliography, p. 148-52. *Coppy seen:* DLC.

8113. JESPERSEN, POUL, 1891-. The Godthaab Expedition 1928. Copepoda. København, C. A. Reitzel, 1934. 166 p. illus., maps, tables (1 fold.) diagsr. (Meddelelser om Grønland. Bd. 79, nr. 10)

List, with synonymy, occurrence and discussions, of a hundred and twelve species of copepods from the waters west of Greenland with zoogeographical remarks; bibliography, p. 161-66.

Coppy seen: DLC.

8114. JESPERSEN, POUL, 1891-. Investigations on the copepod fauna in East Greenland waters. København, C. A. Reitzel, 1939. 106 p. illus. (sketch maps, tables, diagsr.) (Meddelelser om Grønland. Bd. 119, nr. 9)

Results of the Three-Year Expedition to Christian X's Land, 1931-34. Collections from Franz Joseph Fiord and Scoresby Sound waters, summers 1932 and 1933, also material from the Scoresby Sound Committee's 2nd East Greenland Expedition, 1932, and from Dana cruises, 1931-33, in Denmark Strait and the southeastern Greenland waters.

Contains a systematic account of about forty-four species, showing quantitative distribution, relative quantity of various stages, variation in size, general distribution, etc.; a chapter on quantity of copepods and its composition in various parts of the two fiord systems, plankton tables for various stations, and a bibliography (61 items).

Coppy seen: DSI-M.

8115. JESPERSEN, POUL, 1891-. Investigations on the quantity and distribution of zooplankton in Icelandic waters. København, C. A. Reitzel, 1940. 76 [1] p. diagsr. (Denmark. Kommissionen for Danmarks fiskeri- og havundersøgelser. Meddelelser; ser.: plankton. Bd. 3, nr. 5)

Contains discussion of importance of zooplankton as food, the quantity in general, and the quantity and distribution of some of the zooplankton ele-

ments, which includes the waters of Denmark Strait, July-August.

Coppy seen: DF.

8116. JESPERSEN, POUL, 1891-. On changes in the distribution of terrestrial animals in relation to climatic changes. (*In:* Rolfeisen, G., and others. Climatic changes in the Arctic (etc.), 1949. *Pub.* in: International Council for the Study of the Sea. Rapports et procès-verbaux. v. 125, p. 36-39, diagsr.)

Notes on changes in bird populations in North Atlantic countries, including Greenland.

Coppy seen: DF; DGS; DLC.

8117. JESPERSEN, POUL, 1891-. Statistical survey of the halibut fishery in the waters round the Faeroes, Iceland and Greenland. København, C. A. Reitzel, 1938. 37 p. diagsr. (Denmark. Kommissionen for Danmarks fiskeri- og havundersøgelser. Meddelelser. Bd. 10, nr. 5)

Contains data for The Faeroes and Iceland, 1906-35, and for Greenland waters, 1928-35, with discussion and comparison between relative quantities taken in the different waters.

Coppy seen: DF.

8118. JESPERSEN, POUL, 1891-. The zoology of East Greenland. Copepods. København, C. A. Reitzel, 1939. 66 p. illus. (maps) (Meddelelser om Grønland. Bd. 121, nr. 3)

Based on published records of copepods from the coastal waters (within 1000 meter curve), a systematic account with East Greenland records and occurrence, distribution and biology, of eighty-four species of Copepoda nantia and Copepoda parasita et hemiparasita; remarks on their zoogeography and a bibliography (124 items).

Coppy seen: DGS; DSI-M.

8119. JESSEN, AXEL HANS, 1868-. Geologiske iagttagelser. (*In:* Moltke, C. P. O. Opmaalingsexpeditionen til Julianehaabs-distrikt, 1894, 4. *Pub.* in: Meddelelser om Grønland, 1896. 16. hefte, p. 123-69, col. fold. map, plate) *Title tr.:* Geological observations.

Discussion of the geology of the coast and offshore islands south of Julianehaab; of the hot springs on Unartok Island, glaciers, raised shore lines and the "storis" along the coast.

Coppy seen: DLC.

JESSEN, AXEL HANS, 1868-, see also Moltke, C. P. O., & A. H. Jessen. *Undersøgelser af Nordre-Sermilik Brae*. 1896.

JESSEN, ERIK JOHAN, 1705-1783, see Nissen, K. *Det Kongerige Norge*. 1943.

8120. JESSEN, KNUD. *Ranunculaceae*. 1911. (*In*: Structure and biology of arctic flowering plants, nr. 6. *Pub.* in: *Meddelelser om Grønland*, 1912. 36. hefte, p. 333-440, illus.)

Descriptions of fourteen species, with references to literature and geographical distribution; bibliography, p. 336-37. **Copy seen:** DLC.

8121. JESSEN, KNUD. *Rosaceae*. 1913. (*In*: Structure and biology of arctic flowering plants, nr. 8. *Pub.* in: *Meddelelser om Grønland*, 1921. 37. hefte, p. 1-126, illus.)

Discussions, with references to literature and occurrence, of sixteen species; bibliography, p. 4-5.

Copy seen: DLC.

JESSEN, KNUD, see also Gram, K., & K. Jessen. *Vilde planter i Norden*, I. 1949.

JESSEN-SCHARDEBOLL, ERIK JOHAN, see **JESSEN, ERIK JOHAN, 1705-1783**.

8122. JETTÉ, JULIUS. On the superstitions of the Ten'a Indians (middle part of the Yukon valley, Alaska). (*Anthropos*. *Ephemeris*. 1911. Bd. 6, p. 95-108, 241-59, 602-615, 699-723, illus., (music))

Description of the beliefs and practice of the Koyukon and Ingalik Indians in connection with spirits, omens, spells, songs, amulets, puberty, childbirth, death, mourning anniversaries and shamanism. Most data apparently refer to Koyukon Indians.

Copy seen: DLC.

8123. JETTÉ, JULIUS. *L'organisation sociale des Ten'as*. (International Congress of Americanists. 15th, Quebec, 1906. [Compte rendu] *pub.* Quebec, 1907. v. 1, p. 395-409) **Title tr.:** The social organization of the Ten'as.

On the basis of eight years of firsthand observation, Father Jetté describes what he terms the "anarchistic communism" of the Ten'as (apparently Koyukons) of western Alaska, and their associated psychological and judicial traits.

Copy seen: DLC.

8124. JETTÉ, JULIUS. Riddles of the Ten'a Indians. (*Anthropos*. *Ephemeris*. 1913. Bd. 8, p. 181-201, 630-51, 6 illus.)

Description of the psychology of riddles among the Koyukon Indians of the middle Yukon valley, with examples of one hundred ten riddles in native dialect, literal translation, and free translation. **Copy seen:** DLC.

8125. JEWELL, WILLARD BROWN. ELL, 1899- Mineral deposits of the Hyder district, southeastern Alaska. (*Economic geology*, 1927. v. 22, p. 494-517, illus.)

Results of a laboratory study of field data secured by the author, 1925, in the Salmon River section of the Hyder district. **Copy seen:** DGS.

8126. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The Aleut language and its relation to the Eskimo dialects. (International Congress of Americanists. 18th, London, 1912. Proceedings. London, 1913. p. 96-104)

Contains a brief description of the system of sounds and the grammatical structure of the eastern Aleut dialect spoken in Alaska, Unalaska, Umnak, Akutan, and the Pribilof Islands. Includes a survey of the noun, pronoun, and verb and of the part they play in the sentence. **Copy seen:** DLC.

8127. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Aleutskii iazyk v osvieshchenii grammatiki Veniaminova. (*Akademiia nauk SSSR. Bulletin, fév, mars-avril*, 1919. Sér. 6, t. 13, p. 133-54, 287-315, tables) **Title tr.:** The Aleutian language in the light of Veniaminov's grammar.

Declensions of nouns and conjugation of verbs in the indicative mood, with corrections of Veniaminov's mistakes. Material drawn from the eastern dialect of the Aleuts, as written down by the author during the Riabushinskii Expedition, 1908-10.

Copy seen: DLC.

8128. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The ancient and present Kamchadal and the similarity of their culture to that of the northwestern American Indians. (International Congress of Americanists. 23rd, New York, 1928. Proceedings. New York, 1930. p. 451-54)

Sketches the history of contacts between Russians and Kamchadals in

Kamchatka, and the resulting psychological, numerical, and health changes among the latter. Calls attention to similarity between the Kamchadals and the Indians of the northwest coast of North America, in respect to mythology, salmon catching and preparation, and language structure.

Copy seen: DLC.

8129. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Archaeological investigations in Kamchatka. Washington, 1928. 2 p. l., iii-viii, 88 p. 83 illus., 19 plates, maps (1 fold.) (Carnegie Institution of Washington. Publication no. 388)

A Russian translation was published in *Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia*, 1930 (t. 62, vyp. 3, p. 199-242; vyp. 4, p. 351-85) under title *Arkhologicheskie issledovaniia na Kamchatke* (copy in DLC).

Results of archaeological excavations in the summers of 1910 and 1911 as part of the Riabushinskii Kamchatka Expedition. Excavations were made at archeological sites near Avacha Bay in southeastern Kamchatka, Kulki and Kavan Rivers in the northwest, and the vicinity of Kuril Lake in the south. Largest collections were made at the two last-mentioned localities.

Contains (1) sketch of the history of early explorations to Kamchatka; (2) summary of Japanese shipwrecks on Kamchatka and of Russian fur tribute regulations; (3) sketch of economic life, health conditions, and population distribution of present-day Kamchadals; (4) monthly summaries of temperature of air and of soil to depths of two meters at Petropavlovsk, Kluchevskoye, and Tigil, with observations on the depth of thawing at various seasons, based chiefly upon data from Vlasov's meteorological division of the Expedition; (5) summary of knowledge of stone, bronze, and iron age archeology in Siberia and Kamchatka; (6) description of the sites excavated by Jochelson in Kamchatka, lists of the artifacts found at each site, and incidental notes on bears and salmon fishing; (7) detailed analysis of the stone lamps and pottery found in the Kamchatka excavations, and discussion of the relation of the pottery to Ainu pottery; (8) bibliography, p. 79-82.

Maps: (1) Kamchatka Peninsula location map, scale about 1:4,000,000; (2)

northern Asia (fold. map) showing archeologic sites of Paleolithic, Neolithic, bronze, and iron ages; (3) fifteen detail sketch maps showing excavations made on this expedition; (4) Kuril Lake, scale about 1:100,000, showing location of hot springs and ancient village sites.

Copy seen: DLC.

8130. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Archaeological investigations in the Aleutian Islands. Washington, 1925. ix, 145 p. 110 illus., 28 plates, maps (1 fold.) (Carnegie Institution of Washington. Publication no. 367)

An account of the archeological work and results of the ethnological division of the Riabushinskii Kamchatka Expedition in the Aleutian Islands in 1909-10.

Contains (1) summary of the organization, personnel, and purposes of the expedition; (2) description of the boat trip to the islands and difficulties of navigation in small boats; (3) enumeration and description of the thirteen prehistoric village sites and two caves excavated on Attu, Atka, Umnak, Amaknak, and Hog Islands (the last two near Unalaska Island), with lists of species of mammals, birds, fish, and molluscs found in the excavations; (4) description of the human remains found; (5) description of the archeological objects found, including detailed studies of rock types used for different types of artifacts as ascertained from living Aleuts, incised patterns of decorative and useful functions, and ornaments such as labrets; (6) critique of earlier work in Aleutian archeology by Pinart and, especially William Dall, including consideration of Dall's discussion of sea urchins as food and as indicators of length of human occupancy; (7) analysis of evidence as to duration of Aleut occupancy of the islands, portion of stone age represented, and cultural affiliation of Aleut culture with that of neighboring primitive peoples; (8) bibliography, p. 124-28; (9) glossary of about three hundred Aleut words related to archeological work and finds; (10) detailed index.

Maps include sketch maps of Attu, Atka, Umnak, and Amaknak Islands, showing location of archeological sites; and folding map of northeastern Asia and northwestern North America, 126°

E. to 126°W., scale about 1:20,000,000, showing distribution of native peoples, and Jochelson's routes on the Riābushinskii Kamchatka Expedition (1908-11), to the Jesup North Pacific Expedition (1900-1902), and the Sibirīakov Ethnological Expedition (1894-97) (dates of author's participation).

Copy seen: DLC.

8131. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Arkheologicheskie issledovaniia na Kamchatke. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1930. T. 62, vyp. 3, p. 199-242; vyp. 4, p. 351-85, illus.) *Title tr.:* Archeological investigations on Kamchatka.

Contains a Russian translation (with a few omissions) of the author's *Archaeological investigations in Kamchatka*, 1928, q.v. *Copy seen:* DLC.

8132. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Belokurye ėskimosity i novaia ėkspeditsiia na poliarnyi sever kanadskikh vladenii. (Ėtograficheskoe obozrēnie, 1913, no. 1-2, p. 236-41) *Title tr.:* Blond Eskimos and the new expedition to the polar North of the Dominion of Canada.

Evaluation of the reported discovery of blond Eskimos on Victoria Island by V. Stefansson. *Copy seen:* NN.

8133. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Brodiachie rody tundry mezhdū rekami Indigirkoī i Kolymoi, ikh ėtnicheskii sostav, narechie, byt, brachnye i inye obychai i vzaimodeistvie razlichnykh plemennykh ėlementov. (Zhivaiia starina, 1900. v. 10, vyp. 1-2, p. 151-93, illus.) *Title tr.:* Nomadic tribes of the tundra between the Indigirka and Kolyma Rivers, their ethnic composition, dialects, mode of life, marriage and other customs, and the inter-relationship of various tribal elements.

Contains text of the author's report to the session of the Imperial Geographical Society held on Oct. 28, 1899, which dealt primarily with the Yakuts and Yukaghirs. A general description of the terrain is given, division of Yukaghir clans and their territories, role of their chiefs, occupations, modes of transport, food, trade with the Russians and the Chukchis, marriage, position of women, and religion. Comparative data on the mode of life of the Arctic Yakuts and the Chukchis supplement the text. *Copy seen:* DLC.

8134. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Essay on the grammar of the Yukaghir language. (New York Academy of Sciences. Annals, 1905. v. 16, p. 97-152, double face map) Reprinted in American anthropologist, 1905. New ser., v. 7, p. 369-424, fold. map.

Abridged sketch of phonology and parts of speech, with some discussion, based on the author's investigations, 1895-97, during Russian Imperial Geographical Society (Sibirīakov) Yakut Expedition, and, 1900-1902, during Jesup North Pacific Expedition.

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8135. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Ėtologicheskii problema na sġvernnykh beregakh Tikhago okeana. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1907. T. 43, p. 63-92, illus., 2 plates, map) *Title tr.:* Ethnological problems on the northern shores of the Pacific Ocean.

Contains a preliminary report of some of the results of the author's work as a member of the Jesup North Pacific Expedition among the Koryaks, Yukaghirs, and Yukaghirized Tungus which indicate trans-continental connections. Data on comparative somatology of Asiatic and North American native populations, affinity of paleasiatic languages with that of the American Indians, parallels and similarities in material cultures, mythology and religious beliefs of both continents are cited.

Copy seen: DLC.

8136. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. History, ethnology and anthropology of the Aleut. Washington, 1933. v p., 1 l., 91 p. (Carnegie Institution of Washington. Publication no. 432)

A continuation of Jochelson's reports on the work of the ethnological division of the Riābushinskii Kamchatka Expedition in the Aleutian Islands, in 1909 and 1910 (see also his *Archaeological investigations*, 1925).

Contains (1) historical sketch of the Aleutian Islands, based upon article by L. S. Berg, in *Zemlevedenie*, 1924, v. 26, pt. 1-2; (2) notes, from early records, on the Aleuts, physical geography, climate, arctic foxes, and sea otters of Bering Island, based upon L. S. Berg, *Otkrytie Kamchatki i kamchatskie ėkspeditsii Beringa*, 1924, q.v.; (3) de-

scription of modern fur-seal industry of Pribilof Islands, Aleut fishing and bird hunting, and Aleut kayaks and umiaks; (4) description of grass weaving among the Aleuts, list of grasses, account of native and adopted Aleut games such as ring-and-pin, cat's cradle, and chess, and list of names of design elements used in decorative art; (5) description of Aleut relationship terms and individual names; (6) notes on Aleut mythology and amulets, with text of a narrative from the Pribilof Islands; (7) characterization of Aleut physical types, particularly as to cephalic index; (8) lists of Aleut time and space terms. Bibliography, p. 87-91. *Copy seen:* DLC.

8137. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The Koryak. (Jesup North Pacific Expedition Publications, v. 6) Leiden, E. J. Brill; New York, G. E. Stechert, 1905-1908. xv, 842 p., illus., 40 plates, fold. map. (American Museum of Natural History. Memoirs, v. 10)

Contents: Pt. 1. (p. 1-382, pub. 1905). *Religion and myths*, contains chapters on history, charms, shamanism, festivals, birth and death, view of nature; also myths of Koryaks and Kamchadals, and comparison with those of Chukchis, Yukaghirs, etc.

Pt. 2 (p. 383-842, pub. 1908). *Material culture and social organization*, contains chapters on the country, tribe, name, health, physical and mental characteristics, language, habitat and habitation, reindeer and dog breeding, hunting, fishing and war, utensils, food, clothing, manufactures and art; family life, social life, contacts with other peoples; with a list of Koryak and allied names, p. 813-816.

Index to v. 6, pt. 1-3, p. 817-842.

Copy seen: DSI-E; NNA.

8138. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The mythology of the Koryak. (American anthropologist, 1904. New ser., v. 6, p. 413-25)

Discussion of similarities in beliefs and myths of the Koryaks of northeast Asia and American Indians of North Pacific coast. *Copy seen:* DLC.

8139. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Obraztsy materialov po aleutskoi zhivoi starine. (Zhivaya starina, 1915. v. 24, vyp. 3, p. 293-308)

Title tr.: Contributions to Aleut ethnography.

Contains six Aleut tales collected by the author during his participation in F. P. Riabushinskii's Expedition to Kamchatka and the Aleutian Islands, 1908-1911. *Copy seen:* DLC.

8140. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Obraztsy materialov po izucheniiu iukagirskago iazyka i fol'klora, sobrannykh v iAkutskoi ekspeditzii. (Akademiia nauk SSSR. Bulletin, sept. 1898. Sér. 5, t. 9, p. 151-77)

Title tr.: Specimens of source material for the study of the Yukaghir language and folklore, collected by the Yakut Expedition.

Texts of two tales and the autobiography of a Yukaghir in the Upper Kolyma Yukaghir dialect, with translations into Russian and (for one tale) into the Tundra Yukaghir dialect. Introductory material on the work of the expedition and the pronunciation of Yukaghir. Grammatical notes.

Copy seen: DLC.

8141. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Opis' fol'klornykh i lingvisticheskikh materialov V. I. Iokhel'sona, khraniashchikhsia v Aziatskom muzeie Rossiiskoi akademii nauk. (Akademiia nauk SSSR. Bulletin, déc., 1918. Sér. 6, t. 12, p. 1979-2003) *Title tr.:* List of V. I. Jochelson's folklore and linguistic materials in the Asiatic Museum of the Russian Academy of Sciences.

Descriptive list of materials on the Aleuts, consisting of texts of tales and lore materials for dictionary (mainly a revision of Veniaminov's Aleut-Russian dictionary), and materials on grammar, resulting from an eighteen-months' stay on the Aleutian Islands as a member of the Riabushinskii Expedition (1908-1910). Part 1 of a projected series to acquaint scholars with Jochelson's work then in the course of publication. *Copy seen:* DLC.

8142. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Peoples of Asiatic Russia. [New York] The American Museum of Natural History, 1928. 1 p. l., 259 p. illus., 5 fold. maps.

Basic handbook on the native peoples of Asiatic U.S.S.R. and northern Europe. Chapters 1 to 7 group the tribes according to their ethnic affiliations,

with delimitation of the individual "tribes" and brief characterization of each. Chapters 8 to 10 describe the separate anthropologic and ethnic traits and their distribution.

Contains: Chap. 1. *The Mongoloids of Asia and Europe*. Includes Finns, Lapps, Samoyeds, Yakuts, and Tungus.

Chap. 2. *The Americanoids of Siberia*. Includes Chukchis, Koryaks, Kamchadals, Yukaghirs, Chuvantzy, Gilyaks, Asiatic Eskimos, and Commander Islands Aleuts.

Chap. 3. *Siberians* of undetermined anthropological position. Includes Yeniseians.

Chap. 8. *Somatology*. Describes the distribution of stature, cephalic and facial indexes, and derivatives thereof.

Chap. 9. *Mode of life*. Includes dwellings, dress, ornament, art, religion, music, dancing, and poetry.

Chap. 10. *Migrations and history*. Includes summary of archeologic knowledge, historical migrations, and classification and groupings of the tribes according to religion and to language. Bibliography, p. 251-59.

Maps include: 1. Ethnographic map of Asiatic U.S.S.R. (fold.) 2. Former administrative divisions of Asiatic Russia (fold.) 7. Distribution of stature. 8. Distribution of cephalic index. 9. Mode of economic life (fold.) 10. Distribution of religions (fold.)

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8143. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Scientific results of the ethnological section of the Riabouschinsky expedition of the Imperial Russian Geographical Society to the Aleutian Islands and Kamchatka. (International Congress of Americanists. 18th, London, 1912. Proceedings. London, 1913. p. 334-43, 5 illus., 2 plates)

A preliminary report on the activities and results of the ethnological section of the Riabushinskii Expedition to the Aleutian Islands and Kamchatka, 1908-1911. Includes a brief history of the expedition, description of the Aleutian Islands, notes on the archeology and ethnology of the Aleuts; and briefer notes on the work in Kamchatka.

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8144. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. Über asiatische und amerikanische Elemente in den Mythen der Koriaken. (International Congress of Americanists. 14th, Stuttgart, 1904.

[Verhandlungen] Stuttgart, 1906. p. 120-27) Also published in Russian in *Zemlevēdenie*, 1904, pt. 3, p. 33-41. *Title tr.:* On Asiatic and American elements in the myths of the Koryaks.

Contains a statistical comparison of North American, Eskimo, and Mongol-Turkic elements contained in 139 Koryak tales, many gathered on the Jesup North Pacific Expedition (later published in Jochelson's *The Koryak*, 1908). Includes percentage evidence indicating the great preponderance of Athapaskan and Tlingit elements in Koryak myths.

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8145. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The Yakut. (American Museum of Natural History. Anthropological papers, 1933. v. 33, pt. 2, p. 35-225, 107 illus., 3 fold. maps)

Basic work results of the author's observations over an extended period, including field study with the Yakut Expedition under auspices of the Russian Imperial Geographical Society, financed by I. M. Sibirskov, 1894-96, and Jesup North Pacific Expedition, 1900-1902.

Contains chapters on origin, traditions, migrations, history; habitat (Yakutsk province, its physical geography, flora and fauna, population, climate); physical characteristics; language; calendar; religion (shamanism); material culture (dwellings, clothing, utensils, agriculture, transportation, domestic animals); art; kumiss festivals; leprosy; contact with Russians.

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8146. JOCHELSON, VLADIMIR IL'ICH, 1855-1937. The Yukaghir and the Yukaghirized Tungus. Jesup North Pacific Expedition. v. 9, pt. 1-3. Leiden, E. J. Brill; New York, G. E. Stechert, 1910-26. xvi, 469 p. 28 plates, fold. map. (American Museum of Natural History. Memoir, v. 13, pt. 1-3)

Based on studies made during the Sibirskov Yakut Expedition, 1895-96, and Jesup North Pacific Expedition, 1901-02.

Contents: Pt. 1. Description of the region (boundaries, orography, hydrography, climate, flora and fauna); the tribe, names, physical and mental characteristics, villages, clans and family life; social life, hunting and games.

Pt. 2 (p. 135-342). Religion, shamanism, birth, death and burial cus-

toms and beliefs; folklore, discussion and tales including some texts in the vernacular, songs, riddles, vocabulary.

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This article is stated (in footnote, p. 149) to be a condensation of one published in the journal *Pamiĕtnaiĕ knizhka Iakutskoi oblasti*, 1895. It includes some material which appears also in the author's paper (with similar title) in *Zhivaiĕ starina*, 1895.

Copy seen: DLC.

Contains a series of general descriptions (written from Yakutsk, Apr. 10, 1894) of the various national groups inhabiting the Yakut region, intended originally as a part of the Yakut Almanac: Russians, Yakuts, Tungus and Lamuts, Chuvantzy and Yukaghirs, Chukchis. Each group is described according to physical type, the salient features of material and social culture, and the results of Russian influence on the natives.

Conu seen: DLC.

8149. JOCHELSON, VLADIMIR IL'-
ICH, 1855-1937. Zapiska V. I. Iokhel-
sona ob okazanii emu sodĕistviia v
obrabotkĕ i izdanii sobrannykh im ma-
terialov po iazykam, narodnomu tvor-
chestvu i etnografii aleutov i plemen
kraiĭnago sĕverno-vostoka Sibir. (Aka-

Author seeks five-year grant from Academy of Sciences to carry out his plan to complete publication of Aleut and Kamchadal texts in his collection, and to compile dictionaries and grammars of those languages and the Yukaghir. Describes the material and the proposed works. *Copy seen: DLC.*

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JOHELSON, VLADIMIR IL'ICH,
1855–1937, *see also* Tokareva, T. ĪA.
Materialy po kranilogii aleutov. 1937.

Contains an analysis of anthropometric measurements of the Tungus, Yakut and Yukaghir women, obtained by the author, 1900-1902; also comparison (in a series of tables) with the results of other investigators in other groups. Bibliography (34 items).

Copy seen: NN.

8151. JOERG, WOLFGANG LOUIS GOTTFRIED, 1885-1952. Brief history of polar exploration since the introduction of flying. 2d rev. ed. New York, American Geographical Society, 1930. 4 p. l., 95 p. illus. (9 maps) 2 fold. maps. (American Geographical Society. Special publication no. 11)

Includes (p. 34-69) a brief summary of flights in north polar regions, from that of Amundsen-Byrd, 1925, to the Canadian flights of 1930; notes on air navigation in the Arctic; and recent developments in political sovereignty (Franz Josef Land, Wrangel Island, and Jan Maven).

Maps include: physical map of the Arctic.

Copy seen: DLC; NNA; NNStef.

JOERG, WOLFGANG LOUIS GOTT-FRIED, 1885-1952, *see also* Stefansson.

V. Eskimo discovery of island north of Alaska. 1934.

8152. JØRGENSEN, EUGEN HONORATUS, 1862- . Note sur les radiolaires. (*In*: Orléans, L. P. R., *Duc d'* Croisière océanographique accomplie à bord de la *Belgica* dans la Mer du Grönland 1905, *pub.* 1907. p. 455-60, plate) *Title tr.*: Note on the radiolarians. (Oceanographic cruise on board the *Belgica* in Greenland Sea, 1905)

Contains notes on nine (including with descriptions, three new) species of these protozoans.

Copy seen: DSI-M.

8153. JØRGENSEN, EUGEN HONORATUS, 1862- . Om floraen i Nord-Reisen og tilstødende dele av Lyngen. Christiania, Jacob Dybwad, 1894. 104 p. (Norske videnskapsakademi, Oslo. Forhandlinger, 1894, no. 8) *Title tr.*: On the flora of northern Reisen valley and adjacent regions of Lyngen.

Based on the author's investigations in 1893, a general discussion and list, with localities and remarks, of vascular plants, liverworts and mosses from Reisendalen, northern Norway.

Copy seen: DLC.

JØRGENSEN, EUGEN HONORATUS, 1862- , *see also* Iversen, T., & others. Hopen, Svalbard; reconnaissance 1924. 1926.

JØRGENSEN, EUGEN HONORATUS, 1862- , *see also* Lid, J., & E. Jørgensen. Sphagna from Novaya Zemlya. 1924.

JØRGENSEN, H. F., ed., *see* Kleinschmidt, S. P. Grønlandske ordbog. 1871.

JØRGENSEN, KNUD DREYER, 1917- , *see* Laursen, D., & K. D. Jørgensen. Contrib. Quaternary geol. NW. Greenland. 1944.

JØRGENSEN, MARIE, see HAMMER, MARIE SIGNE (JØRGENSEN), 1907- .

8154. JØRSTAD, IVAR, 1887- . Adventive elementer og nyttilgang på verter innenfor vår rustoppflora. (Nytt magasin for naturvidenskapene, 1938. Bd. 78, p. 153-200) *Title tr.*: Introduced rusts in Norway and local rusts infecting introduced species.

Contains a study of infection of introduced plants by introduced and local

rusts, with an enumeration of forty-one species of rusts, arranged under four groups, including arctic species, and a list of fifty rust fungi, occurring on introduced plants with their hosts and corresponding rust races; bibliography (85 items). Summary in English.

Copy seen: MH-Z.

8155. JØRSTAD, IVAR, 1887- . Chytridineae, Ustilagineae and Uredineae from Novaya Zemlya. Kristiania, 1923. 12 p. illus. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 18) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania).

List, with synonyms and localities, of one Chytridineae, six species of smuts, and seven (including with descriptions, two new) species of rusts.

Copy seen: DLC.

8156. JØRSTAD, IVAR, 1887- . Microcyclic Uredineae on Geranium and Solidago. (Nytt magasin for naturvidenskapene, 1948. Bd. 86, p. 1-30, illus. text maps)

Contains description of four microcyclic rusts: *Puccinia morthieri* and *P. leveillei* on Geranium, and *Uromyces solidaginis* and *Puccinia virgaureae* on Solidago; with notes on origin and habitat and very detailed data on geographic distribution in Norway, including the arctic region. Includes a general bibliography on rusts (40 items).

Copy seen: MH-A.

8157. JØRSTAD, IVAR, 1887- . Notes on some heteroecious rust fungi. (Nytt magasin for naturvidenskapene, 1937. Bd. 77, p. 105-119, illus. text maps)

Contains critical notes on various heteroecious rust fungi, including *Puccinia festucae* alternating on *Festuca* and *Lonicera*, three rust species of the genus *Chrysomyxa* (on *Ledum* and *Picea*) in Finnmark, Norway; and various rusts in the high mountains of Norway. Summary in Swedish.

Copy seen: MH-Z.

8158. JØRSTAD, IVAR, 1887- . Notes on Uredineae. (Nytt magasin for naturvidenskapene, 1931. Bd. 70, p. 325-406, illus.)

Contains critical revision of nineteen species of rust fungi (Uredineae) with synonymy, critical notes, data on host plants, geographic distribution throughout the world, including arctic regions;

a general bibliography on fungi (126 items).
Copy seen: MH-Z.

8159. JØRSTAD, IVAR, 1887-. A study of Kamchatka Uredinales. Oslo, Jacob Dybwad, 1934. 183 p. illus. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1933, no. 9)

Detailed review of some ninety known rust species of Kamchatka Peninsula in comparison with similar and allied forms from other regions of the Northern Hemisphere. Based on collections made mainly by the Swedish Kamchatka Expedition, 1920-22.

Contains key to genera and species (p. 11-19); enumeration (p. 20-153) with synonymy, descriptive notes, hosts, total geographical distribution and comparison with geographical area of known or possible hosts, discussion of critical or less known forms, some descriptions of spore forms, a few new species fully described. General remarks (p. 154-70) on life cycle, heteroecism, horizontal, vertical and total distribution of Kamchatka rusts; with indexes to literature (about 200 items) host plants, and rust species.

Copy seen: DLC.

8160. JØRSTAD, IVAR, 1887-. Uredinales of northern Norway. Oslo, Jacob Dybwad, 1940. 145 p. (Norske videnskaps-akademi, Oslo. Skrifter. I. Matematisk-naturvidenskapelig klasse, 1940, no. 6)

Contains summary of previous research; enumeration and discussion (with synonymy, localities, etc.) of about one hundred fifteen species of rust fungi; the biology and distribution of rusts of northern Norway; index of hosts; bibliography (about 150 items).

Copy seen: DLC.

8161. JØRSTAD, IVAR, 1887-. The ustilagineous genus *Tubercinia* in Norway. (Nytt magasin for naturvidenskapene, 1943. Bd. 83, p. 231-46)

Contains a revision of the genus *Tubercinia* of myxomycetous fungi parasitic on plants, with an enumeration of twenty-one species with keys, synonymy, critical notes, host plants and data on distribution in Norway; includes some arctic species; bibliography (23 items).

Copy seen: MH-A; MH-Z.

8162. JOESTING, HENRY ROCHAMBEAU. Magnetometer and direct-current resistivity studies in Alaska. New York, 1941. 20 p. (American Institute of Mining and Metallurgical Engineers. Technical publication no. 1284)

Discussion of the problems involved in geophysical prospecting, including magnetic minerals in placers, bedrock, variations in the earth's field, and permanently frozen ground.

Copy seen: DGS.

8163. JOESTING, HENRY ROCHAMBEAU. Strategic mineral occurrences in interior Alaska. College, Alaska, 1942. 3 p. l., 46 p. incl. 5 sketch maps. (Alaska. Dept. of Mines. Pamphlet No. 1)

Contains prices, modes of occurrence, and localities of antimony, chromium, nickel, platinum, mercury, molybdenum, tin, tungsten, asbestos, mica, and quartz crystals.

Copy seen: DGS; NNStef.

8164. JOESTING, HENRY ROCHAMBEAU. Supplement to . . . Strategic mineral occurrences in interior Alaska. College, Alaska, 1943. 2 p. l., 28 p. incl. sketch map. (Alaska. Dept. of Mines. Pamphlet. No. 2)

Contains information gathered during 1942 on occurrences, prospecting, and development of antimony, mercury, molybdenum, tin and tungsten deposits.

Copy seen: DGS; NNStef.

IOFFE, SEMION, *see* IOFFE, SEMEN SAMOILOVICH.

8165. JOHANNESSEN, EDV. H. Hydrografiske iakttagelser under en fangst-tour 1870 rundt om Novaja-Semlia. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1871. Årg. 28, p. 157-70) *Title tr.:* Hydrographic observations during a whaling trip around Novaya Zemlya in 1870.

Data on ice conditions encountered also daily pressure and twice-daily temperature observations taken on board the *Nordland* on a voyage around Novaya Zemlya during the navigation season May 2-Sept. 29, 1870, (tables p. 164-68).

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JOHANNESSEN, EDV. H., *see also* Petermann, A. H. Kap. Johannesens Fahrt, Karischen Meer. 1870.

JOHANNESEN, EDV. H., *see also* Petermann, A. H. Kap. Johannesens Umfahrung, Nowaja Semlä. 1871.

JOHANNESEN, HANS CHRISTIAN, 1846-1920, *see* Nansen, F. Fra beredelsene til 1. Fram-ferd. 1937.

8166. JOHANSEN, A. C. Om aflejringer af molluskernes skaller; indspør og i havet. (Naturhistoriske forening. Videnskabelige meddelelser, 1901, pub. 1902. Bd. 53, p. 5-46) *Title tr.*: On the disposition of mollusc shells in lakes and in the ocean.

Discussion of vertical distribution of fresh-water and marine molluscs and the transportation by drift ice, current, etc. of mollusc shells; with remarks on A. S. Jensen's *Om levninger af grundtvandsdyr paa store havdyb mellem Jan Mayen og Island*, q.v.

Copy seen: DLC.

8167. JOHANSEN, A. C. On the hypotheses on the sinking of sea-beds based on the occurrence of dead shallow-water shells at great depths in the sea. (Naturhistoriske forening. Videnskabelige meddelelser, 1902. Bd. 54, p. 393-435)

Discussion of J. W. [i.e. W. C.] Brøgger's *Landets høide over havet*, 1900, q.v.; A. S. Jensen's *Om levninger af grundtvandsdyr paa store havdyb mellem Jan Mayen og Island*, 1901, q.v. and his *Fortegnelse over skaller af bivalve grundtvandsmollusker*, 1902, q.v.; H. Friele's *Catalog der auf der norwegischen Nordmeeresexpedition bei Spitzbergen gefundenen Mollusken*, 1879, q.v.; and H. Friele and J. A. Grieg's *Mollusca*. III, 1901, q.v., also of other literature dealing with the occurrence of shallow-water mollusc shells in deep seas and theories on their occurrence in these waters through transportation of ice or through a possible subsidence of the ocean floor. *Copy seen*: DLC.

8168. JOHANSEN, BERTINE. Som fangstkvinnne på Svalbard. (Polar-år-boken, 1940. p. 34-47, illus.) *Title tr.*: A huntress in Svalbard.

Recounts her experiences in Svalbard since 1920; her feats as a seal hunter; her heroic saving of human lives; and her death.

Copy seen: NNA.

8169. JOHANSEN, FRITS, 1882- . The crustacean life of some arctic

lagoons, lakes and ponds. Ottawa, King's Printer, 1922. 31 p. incl. 7 plates (map). (Canadian Arctic Expedition, 1913-1918. Report. v. 7: Crustacea, Pt. N)

Ecological notes on the fresh and brackish waters examined at Teller, Alaska, on the coast east of Pt. Barrow, and in the vicinity of Bernard Harbour, N.W.T., giving information to supplementary parts E, G, H, I, & J, of v. 7: Crustacea.

Copy seen: DSI-M.

8170. JOHANSEN, FRITS, 1882- . Description of the country and vegetation at Port Churchill, Man., in arctic Canada. (Nytt magasin for naturvidenskapene, 1933. Bd. 73, p. 221-57, illus., sketch map)

Contains detailed description (based on a visit in 1929) of the surface feature of the country from Cape Merry to Fort Prince of Wales Peninsula and the approach along the Hudson Bay Railway to Churchill; with notes on the vegetation, as introduction to P. Størmer's *Plants collected by F. Johansen in 1929*, 1933, q.v., and annotated bibliography (7 items).

Copy seen: DGS; NNStef.

8171. JOHANSEN, FRITS, 1882- . Euphyllopoda. Ottawa, King's Printer, 1922. 34 p. illus. (Canadian Arctic Expedition, 1913-1918. Report. v. 7: Crustacea, Pt. G)

Descriptions, with field notes, notes on biology, habits, and distribution of five (including one new) fresh-water species based on the expedition's collection and older records, with a bibliography.

Copy seen: DSI-M.

8172. JOHANSEN, FRITS, 1882- . Fishes and marine invertebrates collected during the cruise of the "Arctic" in 1923. (Canadian field naturalist, Dec. 1925, v. 39, p. 203-204)

List of pteropods, schizopods, amphipods, decapods and fishes from Davis Strait, Baffin Bay (Melville Bay), Eclipse Sound (Ponds Inlet) and Labrador Sea (Gready Island Harbour).

Copy seen: DLC.

8173. JOHANSEN, FRITS, 1882- . The fishes of the Danmark Expedition collected and described by Frits Johansen. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 12. (Meddelelser om Grønland.

1912. Bd. 45, p. 631-75. illus. (incl. 3 sketch maps) plates xlv-xlvi (2 col.)

Contains description of the bathymetric characteristics, the type of bottom (hard or soft) the vegetation, and hydrographic relationships of Danmarks Havn (northeast part of Dove Bugt waters) as typical of northeast Greenland inshore waters. Includes extensive remarks on the depths where specimens found, the size, occurrence of larvae, color, food, etc., of twelve species of fish, taken in Danmarks Havn and the waters nearby.

Copy seen: DLC.

8174. JOHANSEN, FRITS, 1882- . The forest's losing fight in arctic Canada. (Forest and outdoors, July 1919. v. 15, p. 303-305, illus.)

Observations made by the southern party of the Canadian Arctic Expedition, 1913-18; in the region south of Coronation Gulf.

Contains description of white spruce growth and insect threat along the Coppermine River. *Copy seen:* DA.

8175. JOHANSEN, FRITS, 1882- . Freshwater life in north-east Greenland, by Frits Johansen. 1911. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 6. (Meddelelser om Grønland, 1912. Bd. 45, p. 319-37, sketch map)

Contains hydrographic descriptions of typical fresh-water and brackish lakes on Germania Land, in which results of vertical temperature and salinity measurements are given; general description of true lakes, melted snow waters in streams, lakes and bogs; and discussion of the plankton, including full ecological notes on three typical species of crustaceans.

Copy seen: DLC.

8176. JOHANSEN, FRITS, 1882- . General observations on the vegetation. Ottawa, King's Printer, 1924. 85 p. incl. 14 plates (incl. maps) (Canadian Arctic Expedition, 1913-1918. Report. v. 5: Botany, Pt. C) The topography, climate and vegetation of the arctic coast between Pt. Barrow, Alaska, and Bathurst Inlet, N.W.T., including Wolaston Peninsula, Victoria Island.

Copy seen: DSI-M.

8177. JOHANSEN, FRITS, 1882- . Insect life on the western arctic coast

of America. Ottawa, King's Printer, 1921. 61 p. incl. map, 10 plates. (Canadian Arctic Expedition, 1913-1918. Report, 1921. v. 3: Insects, Pt. K)

A description of the natural conditions and the insect life in the localities of Teller, Camden Bay and Demarcation Point, Alaska, Herschel Island, Yukon, and on the peninsula south of Dolphin and Union Strait and the lower part of Coppermine River, Northwest Territories.

Copy seen: DSI-M.

8178. JOHANSEN, FRITS, 1882- . The larger freshwater Crustacea of Canada and Alaska. (Canadian field naturalist, Oct. 1920-21. v. 34, p. 126-32, 145-48; v. 35, p. 21-30, 45-47, 88-94)

Discussion of the occurrence of these forms and their biology, and the need for further research and collecting. Includes notes (in detail) on the occurrence of the amphipods, isopods, fairy shrimps, tadpole shrimps and clam shrimps, across arctic North America and further south in Canada; with bibliographies.

Copy seen: DLC.

8179. JOHANSEN, FRITS, 1882- . Meagre forest resources bordering James and Hudson Bays. (Forest and outdoors, Apr. 1921. v. 17, p. 201-203, illus.)

Notes on the kinds of trees found northward along the eastern shores of these bays to about 56°N. during the author's visit, summer 1920.

Copy seen: DA.

8180. JOHANSEN, FRITS, 1882- . Observations on seals (Pinnipedia) and whales (Cetaceae) made on the Danmark-Expedition, 1906-08. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 2. (Meddelelser om Grønland, 1912. Bd. 45, p. 201-224. illus.)

Based on observations made by sledge parties and at the base, covering the sea and fiord coasts and waters, from about 76°N. to 82°N. (Independence Fiord) on the east coast of Greenland. Notes on habits, occurrence, food, etc., of the walrus, the bearded, Greenland (harp) fiord, and crested seals, the Greenland and caaing whales, rorqual, norwhal, and grampus.

Copy seen: DLC.

3181. JOHANSEN, FRITS, 1882- . Vascular plants collected during the Canadian Hudson Strait Expedition in 1927. (Canadian field naturalist, Nov. 1934. v. 48, p. 126-31)

List of fifty-two plants from Port Burwell, thirty-three plants from Lake Harbour, Baffin Island, seventy species from Wakeham Bay, fifty-six species from Eric Cove, Ungava, and forty species from Nottingham Island, representing over one hundred species in all.

Copy seen: DLC.

8182. JOHANSEN, FRITS, 1882- , and J. C. NIELSEN. The insects of the "Danmark" Expedition, by Fritz Johansen and I. C. Nielsen. 1910. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 2. (Meddelelser om Grønland, 1917. Bd. 43, p. 33-68, illus., plates vii-viii)

Contents: 1. Johansen, F. General remarks on the life of insects and arachnids in North-East Greenland. (Description of seasonal changes in the landscape).

2. Nielsen, J. C. A catalogue of the insects of North-East Greenland with descriptions of some larvae. (Forty species including twelve butterflies).

The localities of the collection were all near Danmarks Havn, on the southern shore of Germania Land, 76°46'N. 18°45'W.

Copy seen: DLC.

JOHANSEN, FRITS, 1882- , see also Emerton, J. H. Notes spiders *Danmark* Exped. 1906-8. 1919.

JOHANSEN, GITZ, see GITZ-JOHANSEN, AAGE, 1897- .

8183. JOHANSEN, HANS. Vitus Bering und seine Expeditionen. (Petermanns geographische Mitteilungen, Apr. 1942. Jahrg. 88, p. 128-35, sketch map) *Title tr.*: Vitus Bering and his expedition.

Notes on the explorer and upon the Great Northern Expedition, 1725-43, with bibliography (12 items).

Copy seen: DLC.

8184. JOHANSEN, HANS. Die Vogel-fauna Westsibiriens. Teil 1-2. (Journal für Ornithologie, 1943-1944. Jahrg. 91, p. 3-110, diagr., 3 maps; Jahrg. 92, p. 1-105, 8 plates). *Title tr.*: The avifauna of western Siberia, Pt. 1-2. Further parts not yet available.

The limits of this study are the Kara Sea on the north, Ural Mountains, on

the west, Yenisey River on the east and south to about 47°N. The work deals mainly with the fauna below 62°N. but includes also some northern species.

Contents *tr.*: Pt. 1. Introduction. Geographical review. The most important phenological characteristics. The life zones of the birds (tundra, taiga, steppe). The border regions (including the Yenisey). History of ornithological research. Bibliography (357 items).

Pt. 2. Systematics, distribution, ecology and biology of (about seventy) species and subspecies.

Copy seen: DSI-M.

8184A. JOHANSEN, HARALD. Mean upper air data obtained from soundings at Tromsø during the years 1941-44. Oslo, 1949. 28 p. illus., tables. (Geofysiske publikasjoner. v. 17, no. 4)

"From data obtained at Tromsø during 1636 radiosonde ascents made between May 1941 and October 1944 by the German Air Forces. Mean monthly and annual pressures; actual, potential and equivalent potential temperatures; lapse rates; relative and specific humidities are calculated for each standard level up to 25 km. Methods of calculating and smoothing are discussed; results at Tromsø compared with those from Abisko, and afternoon soundings made during 14 months compared with early morning soundings to show the radiation error in the former. The average height of the tropopause varied from 8.8 gkm. (March) to 10.1 gkm. (July and August), a range of only 1.3 gkm. Many carefully drawn isopleth charts and detailed tabular data makes this a model monograph on upper air climatology."—Meteorological abstracts and bibliography, Nov. 1950, v. 1, no. 11, p. 727-28.

Copy seen: DLC; MH-BH.

8185. JOHANSEN, HJALMAR, 1867-1913. With Nansen in the North; a record of the *Fram* Expedition in 1893-96. London, New York, Ward, Lock & Co., Ltd., 1899. viii, 351 p. illus., plates, 2 port. map. Translated from the author's *Selvanden paa 86° 14'; optegnelser fra "Fram"-fjorden*, Kristiania, 1898 (copy in MnU; NN).

Account of the author's experiences on the First *Fram* Expedition, 1893-96. Descriptions of the voyage, hunt-

ing adventures, dogs, etc.; the author's sledge journey with Nansen towards the Pole. Their wintering on Franz Josef Land 1895-96, and return home.

Copied seen: DLC.

JOHANSEN, HJALMAR, 1867-1913, *see also* Nansen, F. Farthest north. 1897.

JOHANSEN, HJALMAR, 1867-1913, *see also* Nansen, F. In Nacht u. Eis. Norwegische Polarexped. 1893-96. 1897.

8186. **JOHANSEN, J. PRYTZ.** Den østgrønlandske angakogkult og dens forud-sætninger. (Geografisk tidskrift, Kjøbenhavn, 1940. Bd. 43, p. 31-55) *Title tr.:* The East Greenland "angakok" cult and its presuppositions.

Discussion, based on source materials and illustrated by incantations, of Angmagssalik Eskimo shamanism as related to their way of life; also remarks on the duties and training of a shaman. Bibliography, p. 52-55.

Copied seen: DLC.

8187. **JOHANSSON, A. ERIK V.** Upper Devonian fossiliferous localities in Parallel Valley on Gauss Peninsula, East Greenland, investigated in the summer of 1934. Kjøbenhavn, C. A. Reitzel, 1935. 36 p., 1 l. illus. (inc. profile) 2 fold. plates, fold. map. (Meddelelser om Grønland. Bd. 96, nr. 3)

Descriptions and stratigraphy of fossiliferous localities in Parallel Valley (73°30'N. 23°W.) investigated in 1934 by the Danish Three-Year Expedition; with remarks on fossils found; bibliography (7 items).

Copied seen: DLC.

8188. **JOHANSSON, HARALD ELIAS,** 1880-1931. Växtpopografiska anteckningar. 1. Lappland jämte övriga delar av Västerbottens och Norrbottens län bearbetade av S. Grapengiesser. (Botaniska notiser, 1933, häfte 4-6, p. 479-99) *Title tr.:* Plant-topographical notes. 1. Lapland and adjoining parts of Västerbotten and Norrbotten regions, prepared by S. Grapengiesser.

Contains an alphabetical list of about three hundred flowering plants and forty-six vascular cryptogams, mostly from Swedish Lapland and adjacent parts of northern Sweden, determined by S. Grapengiesser and based on collections and field notes of the late H. E. Johansson, with data on local

distribution and habitat; introduction by G. Samuelsson.

Copied seen: MH-A.

JOHANSSON, HILDING, *see* Lundqvist, M. Norrland. 1942.

8189. **JOHANSSON, JOHAN LUDWIG,** 1865-1929. Die Ichthyobdelliden im Zool. Reichsmuseum in Stockholm. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1898. Årg. 55, p. 665-87)

List, with synonymy and descriptions, of fifteen (including three new) species of fish leeches from the arctic collections of the Stockholm Zoological Museum.

Copied seen: DLC.

8190. **JOHANSSON, KARL,** 1856-1928. Diagnoser och anmärkningar till några sällsyntare svenska Hieracium-former. (Botaniska notiser, 1914, häfte 2, p. 65-87) *Title tr.:* Diagnoses and critical notes on some rare Swedish species of *Hieracium*.

Contains an enumeration of twenty-one species and forms of herbaceous genus *Hieracium*, rare to Sweden, with Latin descriptions of fourteen new species, including at least ten species occurring in Swedish Lapland.

Copied seen: MH-A.

8191. **JOHANSSON, KARL,** 1856-1928. *Hieracia vulgata* Fr. från Torne Lappmark. Uppsala & Stockholm, Almqvist & Wiksell, 1908. 48 p. 5 plates. (Arkiv för botanik, 1908. Bd. 7, no. 12) *Title tr.:* *Hieracia vulgata* Fr. from Torne Lappmark.

Contains an enumeration of thirty-five (including twenty-three new) species of the herbaceous genus *Hieracium*, collected by the author on his trips to Kiruna and other localities in this northern section of Sweden in 1904 and 1906.

Copied seen: MH.

8192. **JOHANSSON, KARL,** 1856-1928. Svenska *Hieracia tridentata* Fr. Stockholm, Almqvist & Wiksell, 1929. 41 p. (Arkiv för botanik, 1929. Bd. 22A, no. 12) *Title tr.:* *Hieracia tridentata* Fr. of Sweden.

Contains a critical revision of about one hundred ten species of herbaceous genus *Hieracium* with synonymy, descriptions of some new species, critical notes and data on distribution in Scandinavia, including at least six species from Torne Lappmark; bibliography (43 items).

Copied seen: MH.

8193. JOHANSSON, KARL, 1856-1928. Västgeografiska spörsmal rörande den Svenska Hieraciumfloran. (Svensk botanisk tidskrift, 1923. Bd. 17, häfte 2, p. 175-214, text maps) *Title tr.*: Geobotanical problems concerning *Hieracium* flora of Sweden.

Contains detailed data on geographical distribution of herbaceous genus Hieracium in Sweden, including Swedish Lapland, with text maps, tabulated statistical data for various regions, etc.; bibliography (27 items).

Copy seen: MH-A.

8194. JOHANSSON, KARL, 1856-1928. Verzeichnis der bisher beschriebenen schwedischen *Hieracia vulgaris* Fr. Stockholm, Almqvist & Wiksell, 1927. 98 p. (Arkiv för botanik, 1928, pub. 1927. Bd. 21A, no. 15) *Title tr.*: An enumeration of previously described Swedish *Hieracia vulgaris* Fr.

Contains a systematic enumeration of over nine hundred species of herbaceous genus Hieracium of the section vulgaris, with synonymy, critical notes and Latin descriptions of new species, including some native to arctic Sweden, and H. jebronsense and H. nordstroemi n. spp. from Torne Lappmark; bibliography (over 100 items).

Copy seen: MH.

8195. JOHANSSON, NILS. Neue mesozoische Pflanzen aus Andö in Norwegen. (Svensk botanisk tidskrift, 1920. Bd. 14, häfte 2-3, p. 249-57, illus.) *Title tr.*: New Mesozoic plants from Andö in Norway.

Contains descriptions of seven fossil plants found by Prof. A. G. Nathorst in Mesozoic coal deposits on Andö Island of the Lofoten group during the Swedish Polar Expedition, 1898, including Sciadopityes lagerheimii and S. persulcata n. spp.

Copy seen: MH-A.

8196. JOHANSSON, OSCAR VILHELM, 1878-. Der jährlich Gang der Temperatur in polaren Gegenden. (Geografiska annaler, 1939. Årg. 21, p. 89-118) *Title tr.*: The annual temperature curve in polar regions.

Copy seen: DLC.

8197. JOHANSSON, OSCAR VILHELM, 1878-. Die Temperaturverhältnisse Spitzbergens. (Svalbard). (Annalen der Hydrographie und maritimen Meteorologie, März 1936. Bd. 64,

p. 81-96, fold. table) *Title tr.*: Temperature conditions in Spitsbergen.

Using temperature data, 1912-26, from Green Harbour, West Spitsbergen, the author discusses daily annual variation of temperature during the winter, periodic, non-periodic, and long-range variations, and remarks on circulation during periods of sun spots.

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8198. JOHANSSON, OSCAR VILHELM, 1878-. Zur Kritik der Bewölkungsbeobachtungen, insbesondere in Nordeuropa. (Meteorologische Zeitschrift, Juni 1910. Bd. 27, p. 241-50) *Title tr.*: A critique on cloud observations, especially for northern Europe.

Cloud observations are compared with sunshine durations at meteorological stations throughout Scandinavian Peninsula.

Copy seen: DA.

8199. JOHN, OSCAR. A new Platythrips from Siberia. (Annals and magazine of natural history, Jan. 1924. Ser. 9, v. 13, p. 142-44)

Full description of new Thysanopterous species from the lower Yana River, 71°N. 135°E. Yakutia.

Copy seen: DSI-M.

8200. JOHNSEN, OSCAR ALBERT. Et traek af den dansk-norske regjeringens handelspolitik under Kristian III og Fredrik II. Christiania, Jacob Dybwad, 1909. 22 p. (Norske videnskapsakademiet, Oslo. Forhandlinger, 1909, no. 3) *Title tr.*: A feature from the commercial policy of the Dano-Norwegian government under Kristian III and Fredrik II.

Concerning Norway's participation in European trade with the White Sea region of Russia in the 16th century, and the policy of the Danish-Norwegian government regarding the trade route to Russia by way of Norway.

Copy seen: DLC.

8201. JOHNSEN, P. Ångaren Oscar Dicksons sibiriska resa 1880-1881. (Ymer, 1881. Årg. 1, p. 70-88) *Title tr.*: The steamer Oscar Dickson's Siberian voyage, 1880-1881.

Account of the trip across Kara Sea, the drift along the Siberian coast, the wintering at Gydan Bay, Oct. 23, 1880-April 23, 1881; the homeward journey of five members of the ship's party with a Samoyed relief party to Obdorsk (Salekhard, near mouth of Ob River),

thence to St. Petersburg. Includes meteorological journal kept during the wintering at Gydan Bay.

Copy seen: DLC.

8202. JOHNSEN, SIGURD. Notes on the birds of Svalbard (Bear Island and Spitsbergen). Bergen, J. Grieg, 1934. 53 p. illus. (Bergen. Museum. Aarbok, 1933. Naturvidenskapelig rekke, nr. 3)

Based on specimens in the Bergen Museum, a list, with lengthy notes on skins, habits, occurrence, localities, etc., of ten species; notes on twenty-two species recorded earlier, and a list in tabular form showing distribution of the fifty-four species known from Bear Island, and sixty-four species known from West Spitsbergen; with a bibliography.

Copy seen: DLC.

8203. JOHNSEN, SIGURD. Remarks on the Svalbard ptarmigan (*Lagopus mutus hyperboreus* Sundev.). Bergen, J. Grieg, 1942. 29 p. incl. tables. 1 plate. (Bergen. Museum. Aarbok, 1941. Naturvidenskapelig rekke, nr. 8)

Covers changes of plumage in the male and female, winter plumage, tail, moult of claws and bill, notes on size, weight, and habits, annual cycle of plumages, nomenclature of plumages, and tables of observations on West Spitsbergen and Bear Island, with a bibliography.

Copy seen: DLC.

8204. JOHNSON, C. B. Anticyclogenesis in eastern Canada during spring. (American Meteorological Society. Bulletin, Feb. 1948. v. 29, p. 47-55, 5 maps)

Discussion of cold low-level anticyclones, affecting circulation over the United States, which develop during spring months in the Hudson Bay region where the radiational cooling is greatest.

Copy seen: DLC.

8205. JOHNSON, BERTRAND LEROY, 1882-. The central and northern parts of Kenai Peninsula. (In: Martin, G. C. Geology and mineral resources of Kenai Peninsula, Alaska. Pub. in U. S. Geological Survey. Bulletin, 1915. No. 587, p. 113-208)

Description of stratigraphy, minerals, gold lodes and placers, with detailed descriptions of mines and prospects.

Copy seen: DGS.

8206. JOHNSON, BERTRAND LEROY, 1882-. Retreat of Barry Glacier, Port

Wells, Prince William Sound, between 1910 and 1914. (In: U. S. Geological Survey. Shorter contributions to general geology, 1916. Professional paper, 1917. No. 98, p. 35-36, illus., 4 plates)

Describes the changes as shown by earlier observers and by photographs taken by the author in 1913-14.

Copy seen: DGS.

JOHNSON, BERTRAND LEROY, 1882-, see also Capps, S. R., & B. L. Johnson. Ellamar district, Alaska. 1915.

JOHNSON, C. B., see No. 8204.

8207. JOHNSON, CHARLES W. Notes and descriptions of new Syrphidae from Mt. St. Elias, Alaska. (Entomological news, Jan. 1898. v. 9, p. 17-18)

List of six (including with descriptions, two new) species of these flies, from the Malaspina Glacier.

Copy seen: DSI-M.

JOHNSON, CHARLES W., see also Grenfell, Sir W. T., & others. Labrador, the country & people. 1922.

8208. JOHNSON, DONALD McINTOSH. The Eskimo remains. Cambridge Expedition to East Greenland in 1926. Appendix 6. (Geographical journal, Sept. 1927. v. 70, p. 254-60, diags.)

Account of archeological investigations from Pendulum Islands south to Traill Island, of the discovery of winter hut floor plans, mosaic formations, the collection of implements, and other objects, and skeletal remains.

Copy seen: DLC.

8209. JOHNSON, DONALD McINTOSH. Observations on the Eskimo remains on the east coast of Greenland between 72° and 75° north latitude. København, C. A. Reitzel, 1933. 69 p., 28 illus. (incl. plans) 4 plates (incl. fold. map). (Meddelelser om Grønland. Bd. 92, nr. 6)

Results of archeological work undertaken by the medical officer of the Cambridge East Greenland Expedition 1926. Description of remains (winter huts, tent rings, shelters, mosaic stone formations, graves, meat stores, fireplaces, traps, etc.) and of some thirty sites excavated; with remarks on the probable origin, migration and culture type of the former inhabitants of the regions between Traill and Sabine Islands.

Copy seen: DLC.

JOHNSON, DONALD McINTOSH, *see also* Mathiassen, T. Archaeol. collection Cambridge E. Greenland Exped. 1930.

8210. JOHNSON, FREDERICK, 1904-
An archaeological, botanical and geological expedition to the southwestern Yukon, 1948. (American Philosophical Society. Year book, 1948, *pub.* 1949, p. 203-204)

Brief report (of the author and H. M. Raup) on activities of the Andover-Harvard Yukon Expedition, summer 1948, along the Alaska Highway between Champagne and the northwestern end of Kluane Lake, and (for three weeks) in the mountains north of the lake.

Copy seen: DLC.

8211. JOHNSON, FREDERICK, 1904-
An archaeological survey along the Alaska Highway, 1944. (American antiquity, Jan. 1946, v. 11, p. 183-86, 3 plates)

Brief, preliminary report by the archeologist of a party under Dr. H. M. Raup, investigating in collaboration the botany, geology and archeology of the region, in summer 1944. The author mentions various prehistoric camp sites found, notes the artifacts excavated at Kluane Lake and surface discoveries in Alsek River valley (100 miles west of Whitehorse) and elsewhere. He concludes that the sites are chiefly significant at the moment, in their evidence that this practical route from Alaska to the Plains was occupied in prehistoric times.

Copy seen: DLC.

8212. JOHNSON, HARVEY F. Development of ice-breaking vessels for the U. S. Coast Guard. (Society of Naval Architects and Marine Engineers. Transactions, 1946. v. 54, p. 112-51, illus., diags.) Abstract was published in Shipbuilding and shipping record, 1948. v. 71, no. 10, p. 285-87; no. 11, p. 319-22.

Discussion in brief of kinds of ice met by ice-breakers; trends of foreign designs and development of U. S. Coast Guard ice-breaker design; selection of machinery; propellers and shafting; operation difficulties; subdivision of the ship; healing and trimming arrangements; steering gear and rudders; towing arrangements; and topside icing and insulation.—*Engineering index*.

Tables: 1. Characteristics of various

ice-breakers 1899-1944. 2. Relative strength of certain ice-breakers.

Copy seen: DBS; DLC (abstract).

8213. JOHNSON, MARTIN WIGGO, 1895- The production and distribution of zooplankton in the surface waters of Bering Sea and Bering Strait, with special reference to copepods, echinoderms, mollusks and annelids. (*In:* U. S. Coast Guard. Report of oceanographic cruise U. S. Coast Guard cutter Chelan 1934, *pub.* 1936. Pt. 2, p. 45-82, incl. tables, 2 fold. charts)

The stations and hydrographic data for the cruise, covering the eastern part of Bering Sea, Bering Strait, and north to the Arctic Circle, are given in Pt. 1 of this Report. Pt. 2 contains analyses of net plankton from one hundred two stations, discussion of their proportion and significance in the population, a correlation of the plankton with hydrographic features, notes on their distribution, and tables of species showing numbers of individuals in the 25-0 meter hauls for each station, with a special table showing occurrence of *Eucalanus bungii* (Copepoda) at thirty-nine of the stations; bibliography (13 items).

Charts: Quantitative distribution of (1) *Eucalanus bungii* and (2) of five other important species.

Copy seen: DLC.

8214. JOHNSON, ROBERT E., and R. M. KARK. Feeding problems in man as related to environment. An analysis of United States and Canadian Army ration trials and surveys, 1941-1946. Chicago, [1946] [viii], 94 p. illus., tables, diags.

Published by U. S. Army Medical Nutrition Laboratory and Quartermaster Food and Container Institute for the Armed Forces. Includes information on ration trials and surveys, and on special feeding problems, in arctic and subarctic regions.

Copy seen: DP.

JOHNSON, ROBERT E., *see also* Kark, R. M., & others. Defects of permican. 1945.

8215. JOHNSTON, ASHTON WILLIAM, 1910- Preliminary report on a geological exploration on Seal River, northern Manitoba. Ottawa, 1935. 1 p. l., 3 l., fold. map. (Canada. Geological Survey. Paper 35-2)

Report concerns eastern section of river, from Shethanei Lake (59°N. 97°W.) eastward to Hudson Bay, its rocks and mineral possibilities.

Copy seen: DGS.

8216. **JOHNSTON, C. E.** Special cruise—ice observation. Report July 9 to July 28—ice observation by the "Seneca". (*In:* U. S. Coast Guard. International ice observation and ice patrol service, 1914. *Pub* as its: Bulletin, 1915. No. 3, p. 33-35)

Account of a "cruise in waters adjacent to Labrador and Greenland for the purpose of observing conditions governing the origin of the ice which annually appears on the Banks of Newfoundland." This was the first time such an investigation was ordered by the Ice Observation Service. Similar special research was done in 1923 by the *Marion* and *General Greene*, and in 1940 by the *Northland*. Includes brief notes on the icebergs at the lower end of Davis Strait, and the ice conditions which were so severe as to prevent the *Seneca* from reaching Greenland.

Copy seen: DLC.

8217. **JOHNSTON, CHARLES JAY, 1909-** . White gold is heaviest. (Alaska sportsman, Dec. 1940. v. 6, no. 12, p. 14-15, 29, illus.)

History of platinum mining in the Goodnews Bay region, southwestern Alaska, and methods used by the Goodnews Bay Mining Co.

Copy seen: DLC.

JOHNSTON, J. F. E., *see* McConnell, R. G. Preliminary report Klondike gold fields. 1900.

8218. **JOHNSTON, JOHN RUSSELL, 1910-** . Geology and mineral deposits of Freegold Mountain, Carmacks district, Yukon. Ottawa, King's Printer, 1937. 2 p. l., 21 p. fold. map (in pocket) (Canada. Geological Survey. Memoir 214)

Description of the mountain, routes leading to it, its stratigraphy, petrology structure and mineral deposits, and detailed notes on gold deposits, claims and properties.

Copy seen: DGS; DLC.

8219. **JOHNSTON, JOHN RUSSELL, 1910-** . A reconnaissance of Pelly River between Macmillan River and Hoole canyon, Yukon. Ottawa, King's Printer,

1936. 2 p. l., 19 p. fold. map (in pocket) (Canada. Geological Survey. Memoir 200)

Contains chapters on physiography, general and economic geology (including gold).

Map: Geological map 394 A (scale 1:506,880) 61°30'-63°N., 132°-136°W.

Copy seen: DLC.

8220. **JOHNSTON, ROBERT ANGUS ALISTER, 1867-** . Gay Gulch and Skookum meteorites. Ottawa, Govt. Print. Bureau, 1915. 31 p. incl. 11 plates, map. (Canada. Geological Survey. Museum bulletin. no. 15; Geological series no. 26)

Description and analyses of two irons discovered during mining operations in the Klondike, Yukon Territory.

Copy seen: DLC.

8221. **JOHNSTON, ROBERT ANGUS ALISTER, 1867-** . A list of Canadian mineral occurrences. Ottawa, Govt. Print. Bureau, 1915. 1 p. l., iii, 275 p. (Canada. Geological Survey. Memoir 74; Geological series no. 61)

Contents: Pt. 1. Names of minerals arranged alphabetically, with localities. Pt. 2. Names of municipal and mining divisions and localities in which minerals occur, arranged alphabetically under provinces and territories.

Copy seen: DLC.

8222. **JOHNSTON, ROBERT ANGUS ALISTER, 1867-** . Prehnite from Adams Sound, Admiralty Inlet, Baffin Island, Franklin. (Canada. National Museum. Bulletin, 1913. No. 1, p. 95-98)

Description of a mineral collected at about 73°12'N. 82°30'W., on the 1910-11 trip of the steamship *Arctic*.

Copy seen: DLC.

8223. **JOHNSTON, V. KENNETH.** Canada's title to the Arctic Islands. (Canadian historical review, Mar. 1933. v. 14, p. 24-41, sketch map)

Discussion of discovery, occupation and notification (the rule of international law for establishing sovereignty) as applied to the Canadian Arctic Islands and Canada's activities there.

Copy seen: DLC; NNStef.

8224. **JOHNSTON, W. P.** First MacKenzie River airfield. (Beaver, Mar. 1946. Outfit 276, No. 4, p. 38-39, illus.)

"The first landing strip along the

Mackenzie was laid out in 1937 at Akla-vik."

Copy seen: DSI-M.

8225. JOHNSTON, WILLIAM AL-FRED, 1874- . Frozen ground in the glaciated parts of northern Canada. (Royal Society of Canada. Transactions, 1930. Ser. 3, v. 24, sec. 4, p. 31-40)

Discussion of the occurrence and depth of permafrost in Yukon, Mackenzie District, and (in more detail) northern Manitoba, with remarks on its relationship to climate and glaciation.

Copy seen: DLC.

8226. JOHNSTON, WILLIAM AL-FRED, 1874- . Quaternary geology of North America in relation to the migration of man. (*In:* Jenness, D. ed. The American aborigines, their origin and antiquity; a collection of papers . . . for presentation at the fifth Pacific Science Congress, Canada, 1933, *pub.* 1933, p. 9-45, 2 maps)

Contains discussion of geological evidence on the extent and age of an intercontinental connection, or "land-bridge", in the present Bering Strait region; on the migration of mammals and flora; and on the probable existence of habitable regions in northwestern North America in geological time.

Copy seen: DLC.

8227. JOHNSTON, WILLIAM AL-FRED, 1874- . Reconnaissance soil survey of the area along the Hudson Bay railway. (Canada. Geological Survey. Summary report, 1917, *pub.* 1918. Pt. D, p. 25-36)

Contains report on the area from The Pas to Limestone River, describing the climate, topography and forests, the Pleistocene and recent geology, and the soils, with note on brick clay.

Copy seen: DLC.

8228. JOHNSTRUP, FREDERIK, 1818-1894. Indledning med biografiske meddelelser om Giesecke. (*In:* Giesecke, Sir C. L. Gieseckes mineralogiske rejse i Grønland, 1878. 1 del, p. v-xxvii) *Title tr.:* Introduction with biographical information on Giesecke.

Sketch of the life and work of Sir Charles L. Giesecke and editorial remarks on the publishing of his diary from the manuscript copy in the Copenhagen University Library. List of his works, p. xxiii-xxvii.

Copy seen: DLC.

8229. JOHNSTRUP, FREDERIK, 1818-1894. Lokaliteter der er undersøgte af Giesecke. (*In:* Giesecke, Sir C. L. Gieseckes mineralogiske rejse; Grønland, 1878. 5. del, p. 367-72) *Title tr.:* Localities investigated by Giesecke.

List of about 250 Eskimo names of places in West Greenland, with indication of their district and reference to their mention in Giesecke's diary.

Copy seen: DLC.

8230. JOHNSTRUP, FREDERIK, 1818-1894. Om de i de senere aar foretagne, danske geologiske undersøgelser i Grønland. (Geografisk tidsskrift, Kjøbenhavn, 1879. Bd. 3, p. 93-100) *Title tr.:* On Danish geological investigations undertaken during recent years in Greenland.

Summary of previous work and discussion of geographical, physical and geological investigations of the inland ice by Danish expeditions, 1876-78, particularly T. A. D. Jensen's sledge journey on the inland ice 1878, from Frederikshaab Iceblink to the Jensen Nunataks.

Copy seen: DLC.

JOHNSTRUP, FREDERIK, 1818-1894, ed., *see also* Giesecke, Sir C. L. Gieseckes mineralogiske rejse i Grønland. 1878.

JOHNSTRUP, FREDERIK, 1818-1894, *see also* Lorenzen, J. T. Undersøgelser af sodalith-syeniten. 1881.

JOHNSTRUP, JOHANNES FREDERIK, *see* JOHNSTRUP, FREDERIK, 1818-1894.

JOLLEY, THEODORE R., *see* Toenges, A. L., & T. R. Jolley. Investigations coal deposits for local use Alaska. 1947.

JOLLEY, THEODORE R., *see also* Toenges, A. L., & T. R. Jolley. Investigation coal deposits in south central Alaska. 1949.

8231. JOLLIFFE, ALFRED WALTON, 1907- . Aeroprospecting in the Yellowknife area. (Canadian Institute of Mining and Metallurgy. Transactions, 1945. v. 48, p. 588-609, illus., map)

Discussion of the "application of the air view to the search for mineral deposits" as applied to the region north of Great Slave Lake, including discussion of the air photographs of the area, and the interpretation of the air view, with further remarks by others, p. 604-609.

Copy seen: DGS.

8232. JOLLIFFE, ALFRED WALTON, 1907- . Expanding mineral frontiers in the Northwest Territories. (Pre-Cambrian, May 1944, v. 17, no. 5, p. 4-7, 13, 15, illus., 2 sketch maps)

Survey of mineral resources, especially the gold possibilities at Yellowknife.

Copy seen: DGS.

8233. JOLLIFFE, ALFRED WALTON, 1907- . Mineral possibilities of the Northwest Territories. (Canadian Institute of Mining and Metallurgy. Transactions, 1937. v. 40, p. 663-77, illus., maps)

Contains a sketch of the history and general geology, and a list of all mineral occurrences, with locations, arranged by minerals, with description (in more detail) of gold, silver and uranium.

Copy seen: DGS.

8234. JOLLIFFE, ALFRED WALTON, 1907- . Quyt Lake and parts of Fishing Lake and Prosperous Lake areas, Northwest Territories. Ottawa, King's Printer, 1940. iii, 9 p. (Canada. Geological Survey. Paper 40-14)

Contains descriptions of the geological formations, faults, and gold deposits of the area, 62°40'-63°05'N. 114°-114°30'W. Preliminary maps for these areas were published as Canada, Geological Survey, Paper 39-6.

Copy seen: DGS.

8235. JOLLIFFE, ALFRED WALTON, 1907- . Rare-element minerals in pegmatites, Yellowknife-Beaulieu area, Northwest Territories. Ottawa, 1944. [3], 23 p. 7 plates (diags., part fold., map) (Canada. Geological Survey. Paper 44-12)

Contains mimeographed notes on the geology and pegmatites, descriptions of the rare-element minerals (tantalum, columbium, lithium, beryllium, tin), treatment of the ores, and descriptions of the deposits.

Map: geology of area, 62°-63°10'N. 112°-114°30'W. (scale about 5 mi.: 1 in.) showing winter tractor roads from Yellowknife Bay, Great Slave Lake, to Gordon Lake, and to Thompson-Lundmark, and from François Bay to Ruth (François Lake region).

Copy seen: DGS.

8236. JOLLIFFE, ALFRED WALTON, 1907- . Structures in the Canadian Shield. (American Geophysical Union.

Transactions, 1942. v. 23, p. 699-707, illus.)

Description, with air photographs, of faults in the region between Great Slave and Great Bear Lakes.

Copy seen: DLC.

8237. JOLLIFFE, ALFRED WALTON, 1907- . Yellowknife Bay-Prosperous Lake area, Northwest Territories. Preliminary report. Ottawa, 1938. 2 p. l., 41 l., fold. map. (Canada. Geological Survey. Paper 38-21)

Preliminary report on detailed geological mapping and study of some of the gold deposits made in the area on north arm of Great Slave Lake during 1936-37. Includes data on structural geology, description (in detail) of the mining properties, notes on other minerals and on ore genesis.

Copy seen: DLC.

8238. JOLLIFFE, ALFRED WALTON, 1907- . Yellowknife faults and ore bodies. (Pre-Cambrian, May 1945, v. 18, no. 5, p. 6-11, 21, illus., 3 sketch maps)

Discussion of the relation of the gold deposits of the Yellowknife field and a system of late major faults, in which the author revises opinions expressed in Henderson, J. F., and A. W. Jolliffe, *Relation of gold deposits to structure* (etc.) 1939, q.v.

Copy seen: DGS.

8239. JOLLIFFE, ALFRED WALTON, 1907- . Yellowknife River area, Northwest Territories. Ottawa, 1936. 1 p. l., 10 l., fold. map. (Canada. Geological Survey. Paper 36-5)

Contains a preliminary report and map for prospectors for an area north of the north and east arms of Great Slave Lake, giving the general geology and descriptions of known mineral deposits (including mines) with notes on economic possibilities.

Copy seen: DGS.

JOLLIFFE, ALFRED WALTON, 1907- , see also Ellsworth, H. V., & F. Jolliffe. Some minerals Great Slave L. area. 1937.

JOLLIFFE, ALFRED WALTON, 1907- , see also Henderson, J. F., & A. W. Jolliffe. Relation of gold Yellowknife & Gordon L., NWT. 1939.

JOLLIFFE, FRED, see JOLLIFFE, ALFRED WALTON, 1907- .

8240. JONES, ERNEST LESTER, 1876-1929. Report of Alaska investigations in 1914. Washington, U. S. Govt. Print. Off., 1915. 155 p. (incl. 91 p. of plates, 13 sketch maps) Issued by the U. S. Bureau of Fisheries.

Report on a special investigation, under the direction of the Secretary of Commerce, May-Oct., 1914, with the Bureau of Fisheries steamer *Albatross*. Includes descriptions of the trapping, seining, and netting of salmon, curing methods, streams and enemies of the salmon; brief note on the halibut, cod, herring and whaling industries; discussion of taxation, vessels, hatchery work, laws, labor questions, and pollution by canneries. Includes mention of fox farming and fur-bearing animals and full discussion of natives of the Pribilof Islands, their condition and occupations.

Copy seen: DF.

JONES, ERNEST LESTER, 1876-1929, *see also* U. S. Coast & Geodetic Survey. Safeguard gateways of Alaska. 1918.

8241. JONES, FRANK. The life of Sir Martin Frobisher, knight, containing a narrative of the Spanish Armada, by the Rev. Frank Jones, B.A. London, Longmans, Green & Co., 1878. xxvi p., 2 l., 360 p., 4 plates (incl. 3 maps)

Includes chapters on the three Frobisher voyages to the Baffin Island region of North America, 1576-78.

Copy seen: DLC; NNSf.

JONES, G. IVOR, *see* U. S. Fish & Wildlife Service. Fishery Products Laboratory. Utilization Alaskan cannery waste. 1. 1947.

JONES, H. O., *see* Barrett-Hamilton, G. E. H., & H. O. Jones. Visit to Karaginski I. Kamchatka. 1898.

8242. JONES, Sir HAROLD SPENCER, 1890-. The magnetic variation in the neighbourhood of the North Pole. (Geographical journal, Dec. 1923. v. 62, p. 419-23, fold. chart)

Contains discussion of the revisions in the British Admiralty north polar chart of the Magnetic Variation Chart, 1922, on the basis of data secured by the *Maud* Expedition, 1918-21, and the Canadian Arctic Expedition, 1913-18.

Copy seen: DLC.

JONES, J., *see* West, S. S., & others. State of earth's atmosphere. 1949.

8243. JONES, J. WALTER. Fur-farming in Canada. Montreal, Commission of Conservation, 1913. 4 p. l., 166 p. 16 plates, 7 maps. Issued by the Commission's Committee on fisheries, game and fur-bearing animals.

Contains a manual for farming foxes, raccoons, weasels, muskrats, beavers and reindeer, with notes on blue fox farming on the Pribilof Islands. Includes chapters on preparing skins for manufacture, and commerce in raw furs.

Appendices include: reindeer progress in Alaska; legislation and statistics of fur production.

Copy seen: CaOSt.

8244. JONES, J. WALTER. Fur-farming in Canada. 2d ed., rev. and enl. Ottawa, Commission of Conservation, 1914. 4 p. l., 278 p. 21 plates, 7 maps, tables.

Another edition with minor changes in the text, and the addition of five appendices including one on fur farming companies.

Copy seen: CaOSt; DLC.

8245. JONES, LIVINGSTON FRENCH, 1865-1928. A study of the Thlingets of Alaska. New York, Chicago [etc.] Fleming H. Revell Co. [c1914] 261 p. 17 plates, incl. double-face map.

Contains chapters on origin of Alaskans, the Tlingit language, family, community, appearance, dress and ornamentation, industries, basketry, traits, food, customs (ancient to modern) mortuary customs, shamanism and superstitions, totemism, legends, jurisprudence, music and amusements, morality, diseases, religion and education; with an index.

Copy seen: DLC; NNSf.

JONES, MARK WALLON, 1916-, *see* West, S. S., & others. State of earth's atmosphere. 1949.

8246. JONES, STEPHEN B. The Arctic: Problems and possibilities. New Haven, 1948. 2 p. l., 24 numb. l. incl. sketch map. Process print. (Yale Institute of International Studies. Memorandum no. 29)

Contains a discussion of problems of transportation, resource utilization, agriculture, and settlement of arctic and subarctic regions, from civilian and military viewpoints. Includes special consideration of diplomatic and military aspects of high-latitude areas,

with observations on World War II experiences.

Sketch map on polar projection shows limits of "northern high latitudes" as used in this study.

Copy seen: DLC.

8247. JONES, STRACHAN. The Kutchin tribes. (*In:* Gibbs, G. *Notes on the Tinneh or Chipewyan Indians* [etc.] in Smithsonian Institution, Annual report, 1866, pub. 1867. p. 320-27, illus.)

Contains a systematized summary of the author's observations of the Kutchin Indians, their appearance, dress, food, dwellings, arts (hunting implements and practices), trade, medicine, government, law, social life and war customs.

Copy seen: DLC.

8248. JONES, T. RUPERT. Notes on the Palaeozoic bivalved Entomostraca. No. XVI. (*Annals and magazine of natural history*, Oct. 1883. Ser. 5, v. 12, p. 243-49, 2 plates)

Description of three species of fossil crustaceans from West Spitsbergen.

Copy seen: DSI-M.

JONES, T. RUPERT, *see also* Parker, W. K., & T. R. Jones. On some Foraminifera N. Atlantic & Arctic O. 1865.

8249. JONES, WILLIAM BENJAMIN, 1866-. The Argonauts of Siberia (the diary of a prospector). Philadelphia, Dorrance & Co., [1927] 165 p. 5 plates.

Contains a personal but rather unparticularised narrative of several years activity, 1902-1906, on Diomed Islands and the eastern part of Chukotsk Peninsula, prospecting and attempting to trade; with casual descriptions of Asiatic Eskimos and Chukchis.

Copy seen: DLC; NNStef.

8250. JONGE, JOHAN KAREL JAKOB de, 1828-1880. Nova Zembla (1596-1597). The Barents relics: recovered in the summer of 1876 by Charles L. W. Gardiner, Esq. and presented to the Dutch government. Described and explained by J. K. J. de Jonge. London, Trübner & Co., 1877. 70 p. front., illus., fold. maps, fold. facsim.

Translation of a report made to the Netherlands minister of foreign affairs, 1872, by S. R. Van Campen, who prefaces the descriptions with a brief account of the voyages of Capt. E. Carl-

sen, 1871, and of C. L. W. Gardiner, 1876. Concerns relics of Willem Barendsz, who died in 1597, when an expedition from Amsterdam seeking a Northeast Passage to China made a forced wintering on Novaya Zemlya.

Copy seen: DLC; NNStef.

8251. JÓNSSON, ARNGRIMMUR, 1568-1648. Grönlandia, edur Graenlandz saga vr islendskum sagna bookum og annalum sammanntekinn og a latinskt maal skrifud af theim heidurliga og halaerda manni/syra Arngrime Jons-sine fordum officiale Hola stiftis og soknarpreste ad Melstad enn a nor-raenu utlög af Einare Eiofssine. Skálholte, Hendrick Kruse, 1688. 1 p. l., 41, [5] p. 2 illus. (incl. front.) *Title tr.:* Grönlandia, or the history of Greenland, collated from Icelandic historical manuscripts and annals and written in Latin by the honorable and highly learned Reverend Arngrimur Jónsson, former official of the Hola diocese, and parish pastor at Melstad, and later translated into the Icelandic by Einar Eiofsson.

Deals with the voyages of the Norsemen and their settlement in Greenland in medieval times. Facsim. reprint was published as: Arngrimur Jónsson Grönlandia 1688, published in facsimile with an introduction in English by Jón Helgason, Copenhagen, Einar Munksgaard, 1942. 38 p., 1 p. l., 41 [5] p. 2 illus. (incl. front.) (Monumenta typographica islandica, v. 6)

Copy seen: DLC (1688 and 1942 editions); NNStef. (1688).

8252. JÓNSSON, FINNUR, 1858-1934. Grönlands gamle topografi efter kilderne; Østerbygden og Vesterbygden, af Finnur Jónsson. 1898. (Meddelelser om Grönland. 1899. 20. hefte, p. 265-329, plates II-III (maps, incl. 1 fold.)) *Title tr.:* Greenland's early topography according to source material; "Østerbygden" and "Vesterbygden."

*Discussion, based on Norse literature, of the topography of the Greenland colonies "Østerbygden" (Eastern settlement) and "Vesterbygden" (Western settlement); lists of fiords and churches; maps of the colonies; text of *Det gamle Grönlands beskrivelse* (Description of the old Greenland) attributed to Ivarr Bárðsson, q.v. Summary in French, p. 346-51.*

Copy seen: DLC.

8253. JÓNSSON, FINNUR, 1858-1934. Grønlandske runestener. (Grønlandske selskab. Aarsskrift, 1916. p. 63-66, illus.) *Title tr.*: Greenlandic runestones.

Notes and comments on authenticity of runestones found in the Upernavik region 1824, and another West Greenland locality later. *Copy seen*: NN.

8254. JÓNSSON, FINNUR, 1858-1934. Interpretation of the runic inscriptions from Herjolfsnes. (Meddelelser om Grønland. 1924. Bd. 68, p. 271-90, illus., plate)

Interpretation of runic inscriptions on a wooden stick and on wooden crosses, excavated by Dr. Poul Nørlund, 1921, in the cemetery of the old Norse colony "Herjolfsnes" at the present Iki-gait, Julianehaab District.

Copy seen: DLC.

8255. JÓNSSON, FINNUR, 1858-1934. On the Icelandic colonization of Greenland. (*In*: Greenland. Copenhagen, 1928. v. 2, p. 331-61)

Historical summary of the 10th century activities of Erik the Red and his followers; the churches and monasteries of the next four centuries; the means of subsistence of the population. Includes appended note on the discovery of Vinland. *Copy seen*: DLC.

8256. JÓNSSON, FINNUR, 1858-1934. Rune inscriptions from Gardar, by Finnur Jónsson. 1929. (Meddelelser om Grønland. 1930. Bd. 76, p. 171-79, illus.)

Description of runic inscriptions found on objects excavated at the ancient episcopal seat at Gardar (now Igaliko) by the Archaeological Expedition to South Greenland, 1926.

Copy seen: DLC.

8257. JÓNSSON, FINNUR, 1858-1934. Runeindskriftene fra Herjolfsnes. (Grønlandske selskab. Aarsskrift, 1922, hefte 2, p. 21-26) *Title tr.*: The runic inscriptions from Herjolfsnes.

Deciphers and interprets inscriptions and appraises them as from the 14th or 15th centuries.

Copy seen: NNStef.

8258. JÓNSSON, FINNUR, 1858-1934. Runestenen fra Kingigtórsoak. (Grønlandske selskab. Aarsskrift, 1914. p. 89-99, illus.) *Title tr.*: The rune stone from Kingigtórsoak.

Description and deciphering of the rune stone found by a Greenlander in

1824 on the island of Kingigtórsoak, about three miles north of Upernavik.

Copy seen: NN.

8259. JÓNSSON, FINNUR, 1858-1934. Svalbarde. (Geografisk tidsskrift, Kjøbenhavn, 1926. Bd. 29, p. 80-89)

Discussion (based on Norse source material) of the name Svalbard, or Svalbarde, and its possible identification with the Scoresby Sound region of East Greenland rather than Spitsbergen. Summary in English.

Copy seen: DLC.

JÓNSSON, FINNUR, 1858-1934, *see* also Bårdson, I. Det gamle Grønlands beskrivelse. 1930.

JÓNSSON, FINNUR, 1858-1934, *see* also Rossen, H. C. Nordboerne ved Upernavik. 1918.

JÓNSSON, FINNUR, 1858-1934, *see* also Steensby, H. P. Uddrag af prof. H. P. Steensby's dagbog om rejsen til "Vinland". 1931.

8260. JÓNSSON, HELGI, 1867-1925. The marine algae of East Greenland. (*In*: Amdrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 4. del, nr. 1. Pub. in Meddelelser om Grønland, 1911. 30. hefte, p. 1-73, illus.)

List, with references to literature, localities and remarks, of seventy-three species occurring in East Greenland waters; also indication of localities in West Greenland waters and mention of additional species there.

Copy seen: DLC.

8261. JORDAN, DENNIS. Survey of blood grouping and Rh factor in Eskimos of the Eastern Arctic 1945. (Canadian Medical Association. Journal, 1946. v. 54, p. 429-34, illus., map)

Results of tests on 369 Eskimos made by the physician on the *Nascope* patrol, 1945. Author demonstrates that Eskimos do not show characteristic blood groupings of Mongolian race. All B and AB blood groups, also all the negative Rh factors occurred in Eskimos of mixed blood. *Copy seen*: DSG.

8262. JORDAN, KARL, 1861-. Die aus der arktischen Zone bekannten Flöhe. (*In*: Fauna arctica, 1932. Bd. 6, p. 115-18) *Title tr.*: The fleas known from the Arctic.

List, with synonymy, reference, distribution and some discussion, of ten

species recorded from circumpolar lands. *Copy seen:* DA.

JORDAN, KARL, 1861- , *see also* Sjøstedt, Y., & others. Entomologische Ergebnisse Kamchatka-Exped. 37. Abschluss. 1935.

8263. JORDAN LLOYD, DOROTHY. Leathers for polar footwear. (*Leather* world, Apr. 11, 1940. v. 32, p. 269-70) Discussion of special requirements in materials, design, and supply, as related to British manufacture, in particular. *Copy seen:* DA.

8264. JORDANS, A. von. Ein Beitrag zur Kenntnis der Vogelwelt Nowaja-Semljas. (Journal für Ornithologie, Juli 1925. Jahrg. 73, p. 446-52) *Title tr.*: Contribution to knowledge of the birds of Novaya Zemlya.

Based on collections of birds and eggs made during a hunting trip to Novaya Zemlya, summer 1924, by L. V. Hoensbroech, C. V. Jordans, C. V. Moy, and E. V. Waldburg-Zeil; an annotated list of over thirty species, besides a discussion of the geese.

Copy seen: DSI-M.

8265. JOST, WILHELM. Gletscherschwankungen auf der Insel Disco in Westgrönland. (Zeitschrift für Gletscherkunde, Apr. 1940. Bd. 27, p. 20-28, illus., 2 plates) *Title tr.*: Fluctuation of glaciers on Disko Island, West Greenland.

Comparison of the glaciers as observed by the author, while wintering, 1912-13, during the Swiss Greenland Expedition, with their positions shown on a Danish Geodetic Institute map (of accuracy 0.2-0.3 mm.) issued in 1931-33.

Copy seen: DGS.

JOST, WILHELM, *see also* Quervain, A. de, & W. Jost. Aerologische Arbeiten, Grönlandexped., 1912-13. 1920.

JOST, WILHELM, *see also* Quervain, A. de, & others. Gemeinsame Beobachtungen Westküste, Grönlandexped. 1912-13. 1920.

JOTTI da BADIA POLESINA [*pseud.*], *see* JOTTI-NERI, ELIGIO, *Conte*, 1895- .

8266. JOTTI-NERI, ELIGIO, *Conte*, 1895- . Critica alla spedizione Nobile; precede uno studio storico sui tentativi

aeronautici di esplorazione polare. Milano, Libreria aeronautica, 1930. 7 p. l., 3-92 p., 1 l. illus. (incl. 6 maps, facsim.) 6 plates. *Title tr.*: Critical study of the Nobile expedition.

Written by one of Italy's aeronautic experts, using the pseudonym, Jotti da Badia Polesina, an historical study of aeronautic exploration of the polar regions with notes and diagrams of earlier aircraft and expeditions, a critique of the Nobile flight, 1928, and a technical note on the N-1 (*Norge*) dirigible.

Copy seen: DLC.

8267. JOUBERT, Sir PHILIP, and A. R. GLEN. High latitude flying by coastal command in support of convoys to north Russia. (Geographical journal, July-Dec. 1946. v. 108, p. 1-23, 3 plates, illus. (maps), diagrs. (incl. 1 fold.))

Contains: 1. Joubert, Sir P. Strategic aspects of air operations in high northern latitudes.

2. Glen, A. R. The battle for the convoy route in 1942. Discussion.

The first section is a general account of R. A. F. operations from Iceland and other bases, and note of need for continued study of air navigation, etc., in high latitudes. The second section discusses in some detail the allied reoccupation of Spitsbergen; reconnaissance of sea ice by R. A. F. Coastal Command (in Greenland and Barents Seas, and Bear Island channel); the summer convoys of 1942 (on the Murmansk Run). Discussion presents arguments for and against high latitude flying for strategic purposes.

Fold. diagram shows limits of drift ice in the Greenland-Barents Sea region.

Copy seen: DLC.

8268. JOURDAIN, F. C. R. Birds of Spitsbergen. (Oxford University Junior Science Club. Transactions, May 1922. Ser. 3, no. 8, p. 1-4) "Contributions of the Oxford University Expedition to Spitsbergen [1921] no. 10." Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 11.

Contains remarks on the ornithological results of the expedition, summarizing previous knowledge and pointing out the contribution made to knowledge of breeding ranges and habits, with mention of four new records since the author's list of sixty-one species published as *The birds of Spitsbergen and Bear Island*.

Copy seen: DLC.

8269. JOURDAIN, F. C. R. The birds of Spitsbergen and Bear Island. (Ibis, Jan. 1922. Ser. 11, v. 4, p. 159-79) "Contributions of the Oxford University Expedition to Spitsbergen [1921], no. 1." Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 10.

Contains an introduction giving bibliographical notes on earlier papers, followed by a list, with notes on localities, nesting habitats, and early records, of sixty-one species of birds.

Copy seen: DLC.

8270. JOURDAIN, F. C. R. The breeding habits of the barnacle goose. (Auk, Apr. 1922. v. 39, p. 166-71, plate) Results of the Oxford University Expedition to Spitsbergen 1921. Issued also (without plate) as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 13.

Contains an account of nests and geese colonies found on cliffs near Advent Bay, with remarks on earlier records, and on size of eggs.

Copy seen: DLC.

8271. JOURNAL OF GLACIOLOGY, v. 1, no. 1, Jan. 1947-. London, British Glaciological Society, 1947-. Published semi-annually.

"The aim of this journal will be to report on the transactions, welfare and other domestic news of the British Glaciological Society and in addition to publish articles on all aspects of snow, and ice research from the purely scientific to the essentially practical."

Each issue contains reviews of the more important literature in the field, and a bibliography of current glaciological papers, including those from the years of World War II.

File seen: CaOGB; DGS.

JOYCE, H. B., *see* Alexander, A. B., & H. B. Joyce. Preliminary examination halibut fishing grounds Pacific. 1912.

8272. JOYNER, L. J. W. Note on the insects of Sukkertoppen. (*In*: Walsh H. C., and others. Last cruise of the *Miranda*, 1896. p. 194-95)

Brief mention of mosquitoes, flies and other insects observed in August in this district of West Greenland.

Copy seen: DLC; NNS Stef.

8273. JUDAY, CHANCEY, 1871-. Cladocera. Ottawa, King's Printer, 1920. 8 p. illus. (Canadian Arctic Expedition, 1913-1918. Report. v. 7: Crustacea, Pt. H)

List, with descriptions, locations, and distribution noted, of seven fresh-water and two marine species from the arctic coasts of Alaska and Canada.

Copy seen: DSI-M.

8274. JUDAY, CHANCEY, 1871-. Fresh-water Cladocera from the east shore of Hudson and James Bays. (Canadian field naturalist, Sept. 1927. v. 41, p. 130-31)

Notes on eight species of these crustaceans (called water-fleas) from ponds and pools on islands and mainland shores to about 56°N.

Copy seen: DLC.

8275. JUDAY, CHANCEY, 1871-, and others. Limnological studies of Karluk Lake, Alaska, 1926-1930. (U.S. Fish and Wildlife Service. Bulletin of the U. S. Bureau of Fisheries, 1935. v. 47, p. 407-36, incl. tables, sketch map, diagrs.) Other authors: W. H. Rich, V. I. Kemmerer, and A. Mann. Karluk Lake is on Kodiak Island.

Contents: Pt. 1. General limnology. Physical and chemical data (area and volume, transparency, temperature, chemistry of lakes, streams and bottom deposits).

Plankton data. Net and centrifuge plankton (quantitative and qualitative analysis of zoo- and phytoplankton). Summary and bibliography.

Pt. 2. Diatoms of the bottom deposits of Karluk Lake.

Copy seen: DF.

8276. JUDD, ALFRED. The conquest of the Poles and modern adventures in the world of ice. London [etc.] T. C. and E. C. Jack, Ltd. [1924] ix, 11-364 p. illus. (maps) 16 plates, incl. ports.

Includes: Pt. 1. The crossing of Greenland. Pt. 2. The march on the North Pole.

Copy seen: DLC; NNS Stef.

8277. JUDGE, JAMES. The blue foxes of St. Paul and Otter Islands, Alaska. (American Breeders Association. Annual report, 190, pub. 1912. v. 7, p. 275-79)

Notes on feeding, trapping and statistics on sex, size, age and skins, 1909.

Copy seen: DA.

8278. JUDGE, JAMES. The blue foxes of the Pribilof Islands. (American Breeders' Association. Annual report, 1908, pub., 1909. v. 5, p. 325-40, illus.)

Report on the foxes of St. George

Island: their former and present food supply, trapping, breeding, physical characteristics, stomach contents, diseases, and yield (1897-1908).

Copy seen: DA.

8279. JUDSON, KATHARINE BERRY. Myths and legends of Alaska, selected and ed. by Katharine Berry Judson. Chicago, A. C. McClurg & Co., 1911. xv, 17-148, [1] p. 63 plates.

Compilation of selected myths of West Alaska Eskimos, Haida, Tlingit, and several Athapaskan (Tsetsaut, Tsimshian, Koyukum), Indian groups, also Koryaks of northeastern Asia.

Copy seen: DLC; NNSf.

8280. JUDSON, SHELDON. Late-glacial and postglacial chronology on Adak. (Journal of geology, Nov. 1946. v. 54, p. 376-85, illus.)

Description of a series of three wind-blown sands overlying a slightly weathered late-glacial till and marine terrace, also of the vegetation, the distribution of pollen, spores, and diatoms in the three soils, and the evidences of human occupation in two horizons.

Copy seen: DGS.

8281. JUEL, HANS OSKAR, 1863-1931. Beiträge zur Kenntnis der Gattungen *Taphrina* und *Exobasidium*. (Svensk botanisk tidskrift, 1912. Bd. 6, häfte 3, p. 353-72, illus. plate 7) *Title tr.*: Contributions to the knowledge of the genera *Taphrina* and *Exobasidium*.

Contains Latin diagnoses and critical notes on *Taphrina lapponica* n. sp. and *T. nana hyperborea*, n. var. of parasitic fungi found on birches, (*Betula odorata*) in the Abisko region of Torne Lappmark, and botanical data on *Exobasidium Warmingii*, native to Greenland, affecting *Saxifraga oppositifolia*.

Copy seen: MH-A.

8282. JUEL, HANS OSKAR, 1863-1931. Om *Taphrina*-arter på *Betula*. (Svensk botanisk tidskrift, 1909. Bd. 3, häfte 2, p. 183-91, illus. 3 plates) *Title tr.*: On *Taphrina* species on *Betula*.

Contains a key and critical notes on eleven species of parasitic fungus *Taphrina*, including *T. alpina*, *T. betulina* and *T. bacteriosperma*, found on two species of birches (*Betula nana* and *B. odorata*) in Greenland.

Copy seen: MH-A.

8283. JÜLG, HUGO. Dichtebestimmungen und Schneesondierungen auf der Route von 1-400 Km. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-31. Wissenschaftliche Ergebnisse, 1939. Bd. 4, Meteorologie, Halbbd. 2: Die Ergebnisse, p. 329-45, tables) *Title tr.*: Density determinations and snow-soundings on the route from 1-400 kilometers. (German Greenland Expedition Alfred Wegener 1929 and 1930-1931)

Report on measurements carried out during several journeys between the West Station, 71°12'N. 51°05'W. and the Mid-Ice Station, 400 km. eastward therefrom, at different times during July-Oct. 1930, and June-July 1931. Tables showing distance east from the edge of the ice, the height above sea level, the depth of the snow, and density of snow or firn, with remarks on condition of the snow (layer depths, granulation, etc.); and discussion of the variation of density due to time of year, altitude, and local conditions, and of the snow soundings (with table showing summer and winter variations of depth and thickness, 1928-1930).

Copy seen: DLC.

8284. JÜLG, HUGO. Die glaziologischen Beobachtungen an der Weststation. (Deutsche Grönland-Expedition Alfred Wegener 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1935. Bd. 3, p. 18-40, illus.) *Title tr.*: The glaciological observations at the West Station. German Greenland Expedition Alfred Wegener 1929 and 1930-1931

Contents tr.: 1. General remarks (on Alfred Wegener's research).

2. The firn region free of crevasses.

3. The crevasse zone.

4. The situation of the winter house (relative to the local glaciers)

5. Observations on Kangerdluarsuk Glacier.

6. Observations on Kamarujuk Glacier.

7. Observations in the shaft under the winter house: construction of the shaft, air pressure of enclosed air bubbles in ice, density determinations, temperature observations, and temperature gradient.

Copy seen: DLC.

JÜLG, HUGO, *see also* Gesellschaft für Erdkunde Berlin. Deutsche Grönland-Exped. 1929-31. 1932.

JÜLG, HUGO, *see also* Wegener, E. ed. Alfred Wegeners letzte Grönland-fahrt. 1932.

JÜRGENS, N. D., *see* FÜRGENS, N. D.

8285. JULIN, ERIK. Contributions à la connaissance des Zoocécidies de la Laponie septentrionale. (Botaniska notiser, 1936, häfte 6, p. 539-62, illus.) *Title tr.*: Contributions to the knowledge of Zooecididae of northern Lapland.

Contains a list of about ninety species of Zooecididae causing galls on plants, arranged alphabetically by the names of plants, with data on injury, localities, time of collection and critical notes; based on material collected by R. Sernander in 1927 in Torne Lappmark, and in 1931 in Lule and Torne Lappmark; bibliography (27 items).

Copy seen: MH-A.

8286. JUNG, WILHELM. Zur Vogelkunde Nordspitzbergens. (Ergebnisse der "Spitzbergen-Expedition deutscher Studenten 1936") (Naturforschende Gesellschaft zu Freiburg. Berichte, 1939. Bd. 36, p. 117-58, illus., sketch map) *Title tr.*: The birds of north Spitsbergen. (Results of the Spitsbergen Expedition of German Students, 1936).

The area studied during July-Sept., included Albert I Foreland and Andrée Land in the northwestern part of West Spitsbergen. The author gives full biological notes on nineteen species of birds observed there, characterizations of their different colonies including density of populations, and a discussion of ecologic energy and valence, migration, and zoogeography; with a bibliography (61 items). *Copy seen:* DGS.

8287. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. Alcyonaria, Antipatharia og Madreporaria. (In: Conspectus faunae groenlandicae. 3. del, nr. 13. Pub. in Meddelelser om Grønland, 1915. 23. hefte, p. 1153-1212)

List, with synonymy, references to literature, localities and remarks, of twenty-one species of coelenterates from Greenland waters. *Copy seen:* DLC.

8288. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. The Alcyonaria of East Greenland. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 18. (Meddelelser

om Grønland, 1917. Bd. 43, p. 485-500, illus.)

List, with synonymy, locations, and discussion of arctic distribution of the six hydroid species so far found in East Greenland waters, four of which were collected by the *Danmark Expedition*.

Copy seen: DLC.

8289. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. Alcyonarian and madreporarian corals in the Museum of Bergen, collected by the Fram-Expedition 1898-1902 and by the "Michael Sars" 1900-1906. Bergen, J. Grieg, 1916. 44 p. (Bergen, Norway. Museum, Aarbok, 1915-16. Nr. 6)

List, with synonymy, and localities, of three species from the north side of Jones Sound, and eleven from waters of Davis and Denmark Straits, Greenland Sea and Svalbard waters, 1900-1901.

Copy seen: DLC.

8290. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. *Anthomastus*. Copenhagen, B. Luno, 1927. 2 p. l., 14 p. illus., plate, sketch chart. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 11) Published posthumously by H. Broch.

Complete description and discussion of a coelenterate species from Davis and Denmark Straits.

Copy seen: DSI-M.

8291. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. Fra "Ingolf-expeditionen"; bemærkninger om dybhavsfaunaen og dens fordeling i de nordlige have. (Geografisk tidsskrift, 1895-96, København, 1896. Bd. 13, p. 36-44) *Title tr.*: From the *Ingolf Expedition*; remarks on the deep-sea fauna and its distribution in the northern seas.

Lecture (based on investigations of the *Ingolf Expeditions*, 1895 and 1896) dealing with the relation of temperature to bottom topography in the Atlantic Ocean, Greenland Sea and Denmark Strait, and with animal life and its distribution in these waters.

Copy seen: DLC.

8292. JUNGENSEN, HECTOR FRED-ERIK ESTRUP, 1854-1917. Karahavets alcyonider. (In: Lütken, C. F. Dijnphnatogtets zoologisk - botaniske udbytte, 1887, p. 373-80, plate 32 and 33) *Title tr.*: Alcyonoids of the Kara Sea.

List, with synonymy, references to literature, localities and discussions, of three (including one new) species of polyps. Summary in French, p. 515.

Copy seen: DLC.

8293. JUNGENSEN, HECTOR FREDERIK ESTRUP, 1854-1917. On the appendices genitales in the Greenland shark, *Somniosus microcephalus* (Bl. Schn.), and other selachians. Copenhagen, B. Luno, 1899. 2 p. l., 88 p. illus., 6 plates (Ingolf-expedition, 1895-1896. [Reports] v. 2, pt. 2).

Detailed descriptions of the anatomy of genital appendages of twenty-six species of sharks, skates, etc., from Greenland and Icelandic waters.

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8294. JUNGENSEN, HECTOR FREDERIK ESTRUP, 1854-1917. Pennatulida. Copenhagen, B. Luno, 1904. 2 p. l., 95 p. illus., 3 plates, chart, table (Ingolf-expedition, 1895-1896. Reports, v. 5, pt. 1).

Based on the cruiser *Ingolf's* and later collections from Davis and Denmark Straits, Greenland Sea and adjacent regions. Remarks on the systematic classification of the sea pens, and a revision of species; a list, with synonymy, references, discussion of localities and distribution, of nineteen (including with descriptions, two new) species; a general review of the occurrence and distribution of northern forms; and a bibliography (101 items).

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8295. JUPP, DOROTHY M. Crossing the "Run". (Among the deep sea fishers, Apr. 1949. v. 47, no. 1, p. 18-20, sketch map)

Popular article on the seasonal state of ice in the waters between Battle Harbour, (an islet 52°16'N. 55°35'W.) and the mainland of Labrador.

Copy seen: CaOGB.

8296. K., B., and N. B. Bukhta Tikhaya. (Sovetskaya Arktika, 1936, no. 2, p. 67-70, illus., map) *Title tr.*: Tikhaya Bay.

Brief historical sketch of expeditions to Franz Josef Land, description of Hooker Island, work at the Tikhaya Bay (80°20'N. 52°50'E.) polar station during seven winterings, 1929-1935.

Copy seen: DLC.

8297. K., B., and N. B. Ostrov Belyi. (Sovetskaya Arktika, 1936, no. 2, p. 77-

78, illus., map) *Title tr.*: Belyi Island.

Brief description of this island off Yamal Peninsula (73°10'N. 70°45'E.) and its polar station.

Copy seen: DLC.

8298. K., B., and N. B. Ostrov Uedineniia. (Sovetskaya Arktika, 1936, no. 5, p. 75-77) *Title tr.*: Uyedineniya Island.

Brief historical sketch and general description of "Lonely" Island in Kara Sea (77°28'N. 82°28'E.)

Copy seen: DLC.

8299. K., M. Observatoriia "Dezhnev". (Klimat i pogoda, 1934. No. 3, (54), p. 9-17, illus.) *Title tr.*: "Dezhnev" observatory.

The voyage from Vladivostok to Cape Dezhnev (East Cape, Bering Strait) on the *Yuanta*, during the early summer of 1932 is described. The establishment of this geophysical observatory on the Chukotsk Peninsula, its aims and its work during the first year of operation are discussed. General physio-geographical aspects of the region and living conditions are sketched.

Copy seen: DWB.

8300. K., T. Vystavka khudozhnika Merkulova. (Sovetskaya Arktika, 1936, no. 8, p. 110-11) *Title tr.*: Exhibition of the painter Merkulov.

Notice of an exhibition in Moscow, 1936, "The Arctic and the Soviet North" of paintings resulting from the artist's participation in expeditions on the *Persei*, *Taimyr* and *Malygin*, 1934-36.

Copy seen: DLC.

8301. K., V. Sobaki na poliarnykh stantsiakh. (Sovetskaya Arktika, 1936, no. 4, p. 94-95) *Title tr.*: Dogs at the polar stations.

Discussion of work performed by dogs at the polar stations; need for improvements in dog breeding.

Copy seen: DLC.

K. G., see G., K.

8302. KAALAAS, B. Levermosernes udbredelse i Norge. Fortegnelse over i Norge hidtil iakttagne levermoser med angivelse af deres udbredelse og bekjendte voksesteder. (Nytt magasin for naturvidenskapene, 1892-93. Bd. 33, hefte 1-4, p. 1-490) *Title tr.*: Distribution of liverworts in Norway. An enumeration of all liverworts hitherto known in Norway with data on their distribution and localities.

Contains historical data on the study of Norwegian liverworts, a survey of material, literature and distribution in various regions of Norway; comparison with liverwort flora of other countries; a general review of vertical and horizontal distribution in Norway with lists of characteristic species; a systematic enumeration of two hundred fifteen species with description of new or noteworthy forms, synonymy, critical notes and detailed lists of Norwegian localities; a table of distribution in twenty-four regions and an index of the species; includes many native to Nordland, Tromsø and Finnmark.

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8303. KAALAAS, B. *Trichostomum arcticum* nov. sp. (Botaniska notiser, 1900, p. 257-58)

Contains Latin diagnosis of *Trichostomum arcticum* n. sp., a fungus collected by Dr. P. O. Mason at Recherche Bay, West Spitsbergen, in 1899.

Copy seen: MH-A.

KAALAAS, B., see also Hagen, I., & B. Kaalaas. Nogen nye norske bryophyter. 1913.

8304. KABANOV, N. E. Bibliograficheskaia svodka materialov po rastitel'nomu i pochvennomu pokrovu Dal'nevostochnogo kraia za poslednee desiatiletie (1923-1933). (Akademiia nauk SSSR. Dal'nevostochnyi filial. Trudy. Seriia botanicheskaiia, 1935. T. 1, p. 432-568) **Title tr.:** Bibliography of the materials on the vegetation and soil cover of the Soviet East for the last decade (1923-1933).

Contains an alphabetical list of one thousand three hundred sixty-three works on the vegetation and soils of the Far East, with some data on the expedition and collections. Includes works on Kamchatka Peninsula and region (one hundred twenty-five items) with subject and geographical indexes.

Copy seen: MH-A.

KACHURIN, M. KH., see Avrorin, N. A., & others. Materialy po rastitel'nosti Khibinskikh gor. 1936.

KACHURIN, M. KH., see Bobrova, L. I., & M. KH. Kachurin. Ocherk rastitel'nosti Monche-tundry. 1936.

8305. KACHURIN, S. P. Abraziia i vechnaia merzlota na Anadyre. (Vsesoiuznoe geograficheskoe obshchestvo.

Izvestiia, 1939. T. 71, vyp. 7, p. 1005-1019, illus., map. diagr.) **Title tr.:** Abrasion and permafrost in Anadyr region.

Description and discussion of marine erosion of the coastal permafrost regions as observed by the author, 1933-34. Bibliography, p. 1019.

Copy seen: DLC.

8306. KACHURIN, S. P. Instruktsiia po izucheniiu termokarsta, proval'nykh i osadochnykh iavlenii (In: Akademiia nauk SSSR. Komitet po vechnoi merzlote. Sbornik instruktsii i programmykh ukazanii, 1938, p. 103-112) **Title tr.:** Instruction for the study of thermokarst, sinking and settling of the ground.

Contains description of various forms of thermokarst phenomena (sinking of the ground, cracks, shallow depressions, sunken lakes, "drunken forest"), and their effect on construction (deformation of buildings, etc.); instructions for field work, including gathering of data intended to explain the genesis of thermokarst. Bibliography (16 items). **Copy seen:** DLC.

8307. KACHURIN, S. P. Opyt raionirovaniia sezonnogo promerzaniia gruntov na territorii evropeiskoi chasti SSSR. (In: Tsytovich, N. A., and others. Glubina zalozheniia fundamentov malotazhnykh zdani. 1946, p. 43-62, 3 maps) **Title tr.:** An attempt to divide the territory of the European part of the U.S.S.R. into regions according to the seasonal freezing of the ground.

Contains explanation of a system of dividing territory according to the seasonal freezing of the ground by a new method, which combines cartographical data, relief, lithology, vegetation, and a geographical interpretation of climatic conditions, with material on the depths of ground freezing. On the basis of this method a schematic map of ground freezing for the European part of the U.S.S.R. was made at a scale of 1: ten million (3 maps).

Copy seen: NN.

8308. KACHURIN, S. P. Osobennosti rel'efa i mikrorel'efa oblasti rasprostraneniia vechnoi merzloty. (In: Sumgin, M. I. editor. Obshchee merzlotovedenie, 1940, p. 289-312, 15 illus.) **Title tr.:** Peculiarities of relief and micro-relief in the permafrost region.

Contains description of forms of relief, and micro-relief typical for the area of permafrost distribution. One of the most important is thermokarst, the type of ground-sinking resulting from changes in thermal conditions of the ground and its causes. A variety of thermokarst forms are described. Solifluction under permafrost conditions and forms of relief it produces are subdivided into several specific groups. Finally are described polygonal soils, and the causes of their formation, and three major types of ground relief connected with ground swelling: (1) peat mounds, (2) "burial" mounds composed primarily of mineral ground, and (3) "bulgunniakh", exceptionally large type of naled'. Bibliography (48 items). *Copy seen:* DLC.

8309. KACHURIN, S. P. Vechnaia merzlota i khoziaistvennaia deiatel'nost' cheloveka. (In: Sumgin, M. I., editor. Obshchee merzlotovedenie, 1940. p. 313-33) *Title tr.:* Permafrost and man's economic activity.

Contains discussion of major difficulties encountered in engineering and construction work under permafrost conditions. Nine subdivisions include data on earth works, drilling, mining, building, water supply, hydro-technical constructions, road building, agriculture. Methods of thawing of frozen ground, or "freezing" when permanently frozen ground contains water-bearing unfrozen layers are discussed, as well as problems of ground swelling and settling, and resulting deformation of buildings. Bibliography (9 items). *Copy seen:* DLC.

8310. KAFTANOVSKII, G., and V. MODESTOV. Ptich'i bazary goszapovednika "Sem' ostrovov". (Priroda i sotsialisticheskoe khoziaistvo, 1941. Sbornik 8, ch. 2, p. 374-85, illus.) *Title tr.:* Bird colonies of the state game reservation of the Sem' Islands.

Contains a brief description of Sem' (seven) Islands off the Murman coast: (Kharlov, Bol'shoi Zelenets, Malyi Zelenets, Veshniak, Kuvshin, Bol'shoi Litskii and Malyi Litskii) which at present form a state reservation. Information on species of birds breeding on the islands (guillemot, gull, eider and others) and description of the bird colonies. Bibliography (6 items).

Map: Kharlov Island (68°49'N. 37°21'E.) scale approx. 1:15,000.

Copy seen: DLC.

8311. KAGAN, B. I. K voprosu o proizvodstve termofosfata v Kandalakshe (In: Khibinski e apatity, 1932. T. 4, p. 146-56, diagr.) *Title tr.:* The question of thermophosphate production in Kandalaksha.

Plan for construction of a thermophosphate plant in Kandalaksha by the Apatite Trust during the Second Five-Year Plan. *Copy seen:* DLC.

8312. KAGAN, M. I., and A. S. KUZ'MENKO. Pitanie i poliharnye avitaminozy. (Sovetskii Sever, 1932. T. 3, no. 5, p. 51-69, illus., tables) *Title tr.:* Nutrition and results of vitamin deficiency in the North.

Experiences of the author (physician) wintering in West Spitsbergen in 1926; also observations of miners and local population in Grumant City, Green Harbor, and neighboring settlements. Diseases are noted, also effect of vegetable and fruit consumption upon the health of the population. Tables (p. 66-69) show miners' rations Jan. 15-Mar. 1, 1932, their chemical composition and calory content.

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8313. KAGAN, M. I., and A. S. KUZ'MENKO. Poliarnaia noch' i chelovek. (Sovetskii Sever, 1933. T. 4, no. 1, p. 54-62, tables) *Title tr.:* Polar night and man.

Discussion of the effect of the arctic night and the hydrometeorological régime upon the health and psychology of man in the North; based on observations of the author and other physicians during a wintering in West Spitsbergen 1931-32, and of other physicians in 1922-26. Comparative tables show relation between meteorological phenomena and the hemoglobin content in the blood of those living in the region. *Copy seen:* DLC.

8314. KIAER, HOLGER SVERDRUP, 1856-1928. Dansk indflydelse i Grønland. Bidrag til belysning af grønlandske sporgsmaal og fremtidsopgaver. København, Fred. Høst & Son, Andr., 1906. 143 p. *Title tr.:* Danish influence in Greenland. Contribution in aid of spotlighting Greenlandic questions and future problems.

This Jakobshavn District physician

discusses characteristics of Danes and Greenlanders, relations between them; trade; history; Greenland and the Eskimos before and after Hans Egede and his colonization project; sealing and other occupations; health conditions; social conditions: the influence of trade and the introduction of money on the Eskimos; the missions and the administration; moral responsibility of the administration; conditions for prosperity and social progress; the trade monopoly; tasks for the future. Includes recommendations and statistics.

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KIAER, see also No. 8623-8636.

8315. KAIRAMO, ALFRED OSWALD, 1858- . Anteckningar om floran i Inari Lappmark. (Societas pro fauna et flora fennica. Meddelanden, 1885, pub. 1884. Häfte 11, p. 45-135) **Title tr.:** Notes on the flora of Inari Lappmark.

Contains results of a botanical and geobotanical survey of the Inari region of Finnish Lapland (68°20'-70°06'N.) carried out by the author in 1880, including a systematic enumeration of about three hundred plants.

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8316. KAIRAMO, ALFRED OSWALD, 1858- . Bericht einer naturwissenschaftlichen Reise durch Russisch Lapland im Jahre 1889. [Helsingfors, 1890] 40 p. fold. map. (Fennia. 3, no. 6) **Title tr.:** Report of a natural history study trip through Russian Lapland, 1889.

Issued also as: Wissenschaftliche Ergebnisse der finnischen Expeditionen nach der Halbinsel Kola in den Jahren 1887-1892. A, 1 [pt. 2]

The author, a botanist, accompanied by a Russian Karelian, traveled from Kandalaksha to Lake Imandra and thence eastward across northern central Kola Peninsula to the Ponoy River mouth on the east coast, Mar.-Aug., studying the tundra vegetation. He gives here an account of the journey, and describes the physical features, flora, fauna, climatic character, rocks, tundra, etc., of the peninsula; with a chapter on the Lapps and their customs, mode of living, towns and villages.

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8317. KAIRAMO, ALFRED OSWALD, 1858- . Ett besök på Solovetska öarne.

(Botaniska notiser, 1890, p. 41-44) **Title tr.:** A trip to Solovetskiye Islands.

Contains a brief report on the author's trip to Solovetskiye Islands in the White Sea with a few scattered notes on trees and plants observed and on physical geography of the islands.

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8318. KAIRAMO, ALFRED OSWALD, 1858- . Havainnoita Suomen Euphrasia-lajeista. Kuopio, 1896. 28 p. (Societas pro fauna et flora fennica. Acta 1896-97, pub. 1896. v. 13, no. 5) **Title tr.:** Notes on *Euphrasia* species of Finland.

Contains a critical revision of herbaceous genus *Euphrasia* of Finland with an enumeration of seven species, two varieties and four hybrids, including some species spreading to 67°20'N. Summary in German.

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8319. KAIRAMO, ALFRED OSWALD, 1858- . Hepaticae från Inari-Lappmark. (Societas pro fauna et flora fennica. Meddelanden, 1891-1892, pub. 1892. Häfte 18, p. 132-39) **Title tr.:** Liverworts from Inari Lappmark.

Contains an enumeration of sixty-two liverworts (Hepaticae) collected by the author in Utsjoki (Inari) Lappmark on his trip to that region in 1880.

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8320. KAIRAMO, ALFRED OSWALD, 1858- . Neue Beiträge zur Flechten-Flora der Halb-Insel Kola. (Societas pro fauna et flora fennica. Meddelanden, 1891-1892, pub. 1891. Häfte 18, p. 41-59, plate) **Title tr.:** New contributions to the lichen flora of Kola Peninsula.

Issued also as: Wissenschaftliche Ergebnisse der finnischen Expeditionen nach der Halbinsel Kola in den Jahren 1887-1892. B, II [pt. 3]

Contains an enumeration of over two hundred lichens observed (rarely collected) by the author during his trips to Russian Lapland, Kola Peninsula in 1887-91. Includes *Alectoria vezillifera* n. ssp. and *Verrucaria haesitans* n. sp. described in Latin by W. Nylander.

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8321. KAIRAMO, ALFRED OSWALD, 1858- . Nordiska former af släktena *Salix* och *Ranunculus* (Societas pro

fauna et flora fennica. Meddelanden, 1893. Häfte 19, p. 69-70) **Title tr.:** Northern forms of the genera *Salix* and *Ranunculus*.

Contains notes on *Salix arbuscula* and seven hybrids of willow (*Salix*) found in the Umptek region of Kola Peninsula and *Ranunculus glacialis*, an herb from the same region.

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8322. KAIRAMO, ALFRED OSWALD, 1858- . Om *Carex helvola* Bl. och några närlästående *Carex*-former. (Societas pro fauna et flora fennica. Meddelanden, 1888-1891, pub. 1889. Häfte 16, p. 69-75) **Title tr.:** On *Carex helvola* Bl. and some related forms.

Contains critical notes on a species of the sedge family, *Carex helvola* and related forms, some occurring in Russian Lapland.

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8323. KAIRAMO, ALFRED OSWALD, 1858- . Om en ny *Taraxacum*. (Societas pro fauna et flora fennica. Meddelanden, 1888-1891, pub. 1889. Häfte 16, p. 66-68. **Title tr.:** On a new *Taraxacum*.)

Contains a brief description in Swedish (by Prof. J. Lange) of *Taraxacum nivale*, found in Kola Peninsula in 1887, with critical notes on this herb and allied species.

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8324. KAIRAMO, ALFRED OSWALD, 1858- . Pflanzenbiologische Studien aus Russisch Lappland. Ein Beitrag zur Kenntniss der regionalen Gliederung an der polaren Waldgrenze. Helsingfors, 1890. viii, 263, xxiv p. illus., 14 plates, fold. map. (Societas pro fauna et flora fennica. Acta. T. 6, no. 3)

Issued also as: Wissenschaftliche Ergebnisse der finnischen Expeditionen nach der Halbinsel Kola in den Jahren 1887-1892. B. I. **Title tr.:** Study of the plant biology of Russian Lapland. Contribution to knowledge of the regional delineation of the polar tree-line.

Results of the author's observations during the Finnish Expedition to the Kola Peninsula, 1887, and his journey along the Kola tundra region, 1889.

Contains chapters on the orography and geology, the climatic elements, the tree line and wind, the danger of desiccation in moist climate, types of forest trees, distribution and composition of forests, age and growth of woody plants, seed formation in the

three most important forest trees, and the northern Scandinavian forest region; with a bibliography (82 items).

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8325. KAIRAMO, ALFRED OSWALD, 1858- . Über das Vorkommen von *Thalictrum kemense* in Finland. (Societas pro fauna et flora fennica Meddelanden, 1901-1902, pub. 1902. Häfte 28B, no. 21, p. 117-19) **Title tr.:** On occurrence of *Thalictrum kemense* in Finland.

Contains a discussion of the distribution of an arctic herb, *Thalictrum kemense*, in Finland and in Kola Peninsula, with notes on identity and occurrence of some allied species.

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8326. KAIRAMO, ALFRED OSWALD, 1858- , and J. A. PALMÉN. Die Expedition nach der Halbinsel Kola im Jahre 1887 vorläufig geschildert. [Helsingfors, 1890] 28 p. fold. map. (Fennia 3, no. 5) **Title tr.:** The Expedition to the Kola Peninsula, 1887; a preliminary account.

Issued also as: Wissenschaftliche Ergebnisse der finnischen Expeditionen nach der Halbinsel Kola in den Jahren 1887-1892. A, I [pt. 1]

Narrative of a natural history expedition organized by the Finnish scientific society, Societas pro fauna et flora fennica, the University of Helsingfors, and some private supporters; one party of the expedition traveling with reindeer packs and Lapp guides during June-Sept. 1887, in the northern central interior of the Kola Peninsula, while another section explored along the southern coasts. The narrative of the journeys includes brief descriptions of the more important physical features of the peninsula.

Map bound in with no. 6 of this volume.

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8327. KAIRAMO, ALFRED OSWALD, 1858- , and J. A. PALMÉN. Summarisk redögörelse för den 1887 till det inre af rysk-lapska halfön utsända expeditionens resa. (Botaniska notiser, 1887, p. 265-72) **Title tr.:** A brief report on the expedition to Russo-Lapp peninsula during 1887.

Contains a brief general account of the Finnish Expedition to the Imandra-Lovozero region of Kola Peninsula in 1887, with geographical and natu-

ral history data and reference to plants observed.

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KAIRAMO, ALFRED OSWALD, 1858-, see also Borge, O. F. Süßwasser Chlorophyceen im g. Archangel. 1894.

KAIRAMO, ALFRED OSWALD, 1858-, see also Gyelnik, V. Eine neue *Peltigera*-Art. 1931.

8328. KALABUKHOV, N. I., and O. B. POLUZADOVA. Some ecological-physiological characters of the arctic and desert fox species; *Alopex lagopus* L. and *Vulpes corsac* L. (Akademiia nauk SSSR. Comptes rendus (Doklady), Nov. 1946. Nouv. ser., v. 54, p. 369-72)

Results of a study of relation between respiration rate and temperature, reaction to temperature gradient, relation between activity and surrounding temperature, and distribution of daily activity in the two species of foxes. Bibliography (13 items).

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8329. KALADLIT ASSILIALIAIT. Grønlandske træsnit. Godthaab, Trykt i Inspektoratets bogtrykkeri af L: Møller og R: Berthelsen, 1860. 1 p. l., 39 pl. on 24 l., [2] p. *Title tr.:* Greenlandic woodcuts.

39 numbered woodcuts in black and white, of which no. 1-2 are also represented in colors. Most of these woodcuts are the work of the Greenlanders Aron, all of them are by Greenlanders. The illustrations depict Eskimo huts, their interiors, kayak hunting, etc.; also the destruction of the Norsemen at the Østerbygd and Vesterbygd settlements in southwest Greenland, and scenes from Eskimo legends.

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8330. KALASHNIKOV, M. K. O "sluzhbe urozhaiia" v pushnom khoziaistve. (Sovetskaiia Arktika, 1936, no. 11, p. 83-84, illus.) *Title tr.:* On "crop service" for the fur industry.

Discussion of migration routes of the arctic fox in Yenisey tundras, and suggestions for establishing survey stations in the area (between (1) Gol'chikha at 71°44'N. 83°28'E. on Yenisey Bay, (2) Dikson Island, and (3) the Pyasina River) where the fox population has greatest density.

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8331. KALASHNIKOV, V. A. Khvoshch, kak kormovoe sredstvo na Kraïnem

Severe. (Sovetskii Sever, 1935, T. 6, vyp. 1, p. 102-103) *Title tr.:* Horsetail as a source of forage in the far North.

Contains a comparative chemical analysis of the plant, horsetail, *Equisetum hiemale* L., and hay, with excerpts from the letter of zootechnician V. A. Kalashnikov on his observations on the use of horsetail as fodder for the horses.

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8332. KALEDKINA, A. S. Priamaia radiatsiia solntsa v Verkhofianske po nabludeniiam za tri goda. (Problemy Arktiki, 1939, no. 5, p. 63-74, diagrs.) *Title tr.:* Direct solar radiation at Verkhoyansk according to observations over a period of three years.

The results of direct radiation measurements without filter, also with yellow and red filters, and according to air masses values of 8, 5, 4, 3, 2, 1.5 at solar noon, at Verkhoyansk during the period July 1933-May 1937. The coefficient of the atmospheric transparency at Verkhoyansk was shown to be somewhat greater than for other Soviet Union stations during this period.

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8333. KALEDKINA, A. S. Radiatsionnyi balans bukhty Tikhoi. (Problemy Arktiki, 1939, no. 12, p. 5-18, diagrs.) *Title tr.:* Radiation balance at Tikhaya Bay.

Amounts of direct, diffused, and total incoming radiation as well as total outgoing terrestrial radiation have been determined for various states of cloudiness at Tikhaya (Calm) Bay, Franz Josef Land, during the period 1932-37. On the basis of albedo percentages, incoming radiation is shown to be less than outgoing radiation from September through April.

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8334. KALELA, OPAVI. Über Fjeldlemming-Invasionen und andere irreguläre Tierwanderungen mit einer Übersicht der Kleinnagergradationen in Finnisch-Lappland 1900-1948. Helsinki, 1949. iv, 90 p. illus., diagrs. (Suomalainen eläin-ja kasvitieteellinen Vanamo. Eläintieteellisiä julkaisuja. Osa 13, no. 5) *Title tr.:* On invasions of lemmings and other irregular animal migrations, with a summary of small rodent outbreaks in Finnish Lapland, 1900-48.

Discussion of the causes and results of irregular migrations as shown by

observations in an area including arctic Finland and Kola Peninsula; with a bibliography (153 items). Summaries in English and Finnish at the end.

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8335. KALENICHENKO, IVAN OSIPOVICH, 1805-1876. Recherches ornithologiques. Nouvelle espèce de geai. (Moskovskoe obshchestvo ispytatelei prirody. Biulleten', 1839. T. 12, no. 3, p. 319-64, plate 9) *Title tr.:* Ornithological research. New species of jay.

Contains a monographic treatment of jays (*Garrulus*), with Latin descriptions, synonymy, and data on distribution; includes some native to arctic U.S.S.R., Scandinavia and Alaska.

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KALESNIK, STANISLAV VIKENT'EVICH, *see* Kireev, I. A. Nekotorye geologicheskie pokazateli. 1940.

KALESNIK, STANISLAV VIKENT'EVICH, *editor, see also* Ural. 1935.

8336. KAL'TANOV, V. P. Geomorfologicheskie i gidrologicheskie nablūdeniā na ekspeditsionnom sudne "Al'batros" letom 1932 g. v Ob'-Eniseiskoi gube i prilēgāushchei chasti Karskogo moriā. (Zemlevedenie, 1934. T. 36, vyp. 3, p. 211-58, illus., tables, 2 sketch charts) *Title tr.:* Geomorphological and hydrological observations made on the expeditionary ship *Al'batros* during the summer of 1932 in the region of the Ob'-Yenisey Gulf and the adjacent parts of the Kara Sea.

Report, by the head of the scientific party, of an expedition to investigate marine mammals and fishes in the lower Yenisey River and Yenisey Gulf to Dikson Island in the summer of 1932. General remarks (with diagrams) on land forms and geological structure, permafrost depths and ground ice on Dikson Island. Discussion of the relatively rapid changes of the coast line of Kara Sea, especially on the Kanin Peninsula - Pechora coast, White Island (Belyy Ostrov), and Yamal Peninsula; the processes which cause the changes, i.e. storm waves and ocean currents, geologic work of sea ice, and the thawing of permafrost along the shores; description of the present shores and the shallow depths of southeastern Barents and southwestern Kara Seas; also a hydrological sketch of Yenisey Gulf.

Tables: Hydrologic data, Aug. 1-Sept. 4, on weather, depths; and (a few data) on transparency, water temperatures, bottom sediments; also data on fauna and trawling.

Maps: Bathymetric chart of southeastern Barents and southwestern Kara Seas.

The author notes that due to shipwreck on the return voyage, most data from the expedition were lost. Appended (p. 250-55) is account of the wreck by F. S. Valiāvkin; and bibliography (19 items). Summary in English.

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8337. KAL'TANOV, V. P. O nekotorykh geomorfologicheskikh rabotakh VNIRO na poberezh'iaĭkh SSSR. (Moskva. Universitet, Uchenye zapiski, 1937. Vyp. 16, p. 77-84) *Title tr.:* Geomorphological work of the All-Union Scientific Research Institute of Fishing and Oceanography in the coast of the U.S.S.R.

Brief review of investigations and methods of ten parties in various coastal (including northern) regions 1921-35. Bibliography (21 items).

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8338. KAL'TANOV, V. P. Otchet o geomorfologicheskikh rabotakh v reise ledoreza "F. Litke" k o-vu Vrangeliā v 1929 g. (Gosudarstvennyi okeanograficheskii institut. Trudy. Moskva, 1934. T. 4, vyp. 2, p. 43-61, plates, maps) *Title tr.:* Report on geomorphological work on board the ice-cutter *F. Litke* during the cruise to Wrangel Island in 1929.

Contains historical outline of expeditions to the island, 1821-1929; observations made en route there from Vladivostok; the shores of Avacha Bay (denoting marine erosion and transgression); Lawrence and Providence Bays (effect of glaciers, regression). Describes coasts and adjacent inland region of Wrangel Island (near Roger's Bay): general characteristics, changes in shore lines, evidence of elevation, ice erosion. Includes fifty photographic illustrations and sketch maps of Avacha, Lawrence and Providence Bay regions. Bibliography (10 items). Summary in English.

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8339. KAL'TANOV, V. P., and V. P. ANDROSOVA. Geomorfologicheskie nablūdeniā na Kanine. (Zemlevedenie,

1933. T. 35, vyp. 1, p. 6-24, 18 illus., (incl. diags., map)) *Title tr.*: Geomorphological observations on Kanin.

Contains account (by the chief of the geomorphological party of the Kanin expedition organized in 1930 by the State Institute of Oceanography) of surveys and observation along the waterway Chizha-Chesha across Kanin Peninsula, and along the western coast. Includes a detailed description of the coast line from geological point of view, and discussion of the origin of its Quaternary deposits and the author's conclusions (on basis of material collected) on the history of development of the peninsula.

Illustrations include four sections and map showing development of western coast line. *Copy seen*: DLC.

KAL'ANOV, V. P., *see also* Androsova, V. P., & others. Geograficheskii ocherk zapadnogo poberezh'ia Kanina. 1934.

8340. KALININ, IŮ. D. Opyt issledovaniia magnitnogo vozmushcheniia metodom graficheskoi integratsii. (Problemy Arktiki, 1940, no. 12, p. 62-66, maps, table) *Title tr.*: Results of experiments on magnetic disturbance by the method of graphic integration.

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8341. KALINKO, M. K. Granulometricheskii sostav chetvertichnykh otlozhenii ŭgo-zapadnoi chasti Taiymyrskoi depressii. (Problemy Arktiki, 1940, no. 10, p. 66-89, tables, diags.) *Title tr.*: Granulometric composition of Quaternary deposits of the southwestern section of the Taymyr depression.

Petrographical and geomorphological sketch, based on the author's investigations during the Ust'-Yenisey Oil Expedition in 1939. Bibliography (9 items).

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8342. KALISHEVSKII, M. T., 1882-1906. Zur Kenntnis der Echinodermenfauna des sibirischen Eismeer. St. Pétersbourg, 1907. 1 p. l., 67 p., 3 plates, tables. (Russkaiia poliarinaia ekspeditsiia, 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livre 4. *Pub.* as: Akademiia nauk SSSR. Memoirs. Sér. 8, classe physico-mathématique, vol. 18, no. 4) *Title tr.*: On the echinoderms of the Siberian Arctic Ocean.

Contains a systematic list, with synonyms, references, localities and some notes, of fifteen species of sea cucum-

bers and fifteen species of starfish; a list of stations with positions, depths and species found, in the Barents, Kara and Laptev Seas, the coastal waters of the New Siberian Islands, and the Arctic Basin north of the archipelago; and a bibliography (83 items).

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KALISHEVSKII, M. T., *see also* Derfugin, K. M. Fauna Ekaterinenskoi gavan. 1906.

8343. KALITAIEV, V. S. Pervyi morskoi reis v ust'e r. Iany. (In: Zubov, N. N., and others, ed. Arkticheskie navigatsii. Sbornik pervyi, 1941, p. 91-94) *Title tr.*: First sea voyage to the mouth of the River Yana.

Narrative of a voyage Murmansk-Yana-Murmansk by freighter in 1939.

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8344. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Chto nuzhno zdat' ot postanovki aktinometricheskikh nabludenii v poliarnoi oblasti. (Arctica, 1934, No. 2, p. 25-37, diagr.) *Title tr.*: What must be expected from organizing actinometric observations in the polar region.

Discussion on the insufficient organization of observations of solar radiation in the Arctic, the desirability of methodical work in this field and some remarks on the equipment to be used for it. Summary in French.

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8345. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Maksimal'nye sutochnye summy resseiannoi radiatsii atmosfery v Arktike. (Problemy Arktiki, 1939, no. 9, p. 62-66, illus.) *Title tr.*: The maximum daily values of diffused radiation of the atmosphere in the Arctic.

Annual courses of maximum daily values of diffused radiation at five Soviet polar stations show a gradual increase of amounts from February to May or June, and then a more rapid decrease of amounts from June to October.

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8346. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Napriazhenie solnechnoi radiatsii v Arktike. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936, T. 39, p. 71-92) *Title tr.*: Intensity of solar radiation in the Arctic.

The intensity of solar radiation and its measurement at seven diverse stations is discussed. Summary in French.

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8347. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. O deformatsiakh oblačnosti vo vremia poliarnykh sifanii. (Russkoe geograficheskoe obshchestvo. Meteorologicheskii vestnik, 1924. T. 34, p. 52-58) *Title tr.:* On deformation of cloudiness during the time of the northern lights.

Frequent observations were made during aurora over Yugorskiy Shar, Sept. 21-22, 1920, and results showed that the influence of magnetic elements on the perturbation of the lower cloudiness was not significant.

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8348. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. O metodike izucheniia prozrachnosti snega dlia korotkovolnovoi solnechnoi radiatsii. (Problemy Arktiki, 1940, no. 4, p. 41-46, plates, tables, diagrs.) *Title tr.:* Method of studying the transparency of snow with regard to short-wave solar radiation.

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8349. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. O prozrachnosti l'da dlia ul'trafioletovoi radiatsii solntsa. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 39, p. 55-70, plate, tables, diagr.) *Title tr.:* Transparency of ice for ultraviolet radiation of the sun.

A spectrographic study applying the photographic method. Summary in French.

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8350. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. O summakh tepla solnechnoi radiatsii v Arktike. (Problemy Arktiki, 1940, no. 10, p. 34-42, tables) *Title tr.:* On the quantities of heat of solar radiation in the Arctic.

Values of total radiation are calculated for an ideal atmosphere at the Tikhaya Bay (Franz Josef Land), Uye-dineniya Island (Kara Sea) Tiksi Bay (at Lena delta), and Cape Shmidt polar stations. Observed and theoretical totals are compared for each station.

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8351. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. O velichinakh rasseyanoi radiatsii atmosfery v Arktike. (Arctica, 1936. No. 4, p. 121-35,

illus., diagrs.) *Title tr.:* On the quantities of dispersed radiation of the atmosphere in the Arctic.

A discussion of some results of measuring dispersed solar radiation at various points of observation in Arctic U.S.S.R., 1932-35. Summary in English.

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8352. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Proni knovenie sveta skvoz' sneg. (Problemy Arktiki, 1939, no. 3, p. 21-28, illus., diagrs.) *Title tr.:* Penetration of light beneath snow cover.

On the basis of selenic photoelement measurements of light penetration beneath snow cover, it had been determined that about 20 percent of radiation energy and 12 percent of light is received at a 10 cm. depth; at 35 cm. these respective percentages decrease to 1.5 and 0.005.

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8353. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Radiatsionnye i poliarimetricheskie nabludeniia, proizvedennye v g. Arkhangel'ske i Belom more letom 1920 goda. (Russkoe geograficheskoe obshchestvo. Meteorologicheskii vestnik, 1921. T. 31, no. 1-12, p. 109-126) *Title tr.:* Radiation and polarimetric observations during the summer 1920 in the city of Arkhangel'sk and in the White Sea.

Direct solar and diffused solar radiation observation and polarization of sky observations taken at Archangel and in the White Sea, June 19-July 17, 1920.

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8354. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Rol' aktinometrii v razreshenii problemy vechnoi merzloty. (Akademiia nauk SSSR. Komissia po izucheniiu estestvennykh proizvoditel'nykh sil SSSR. Materialy, 1930. No. 80, Vechnaia merzlota, p. 157-76, illus.) *Title tr.:* The role of actinometry in solving the permafrost problems.

Contains technical discussion on application of actinometry as a method for the study of permafrost. The incoming and outgoing solar energy influences the climate and can be measured by the special apparatus: the pyrometer of Kalitin to measure radiation from the sky, and the pyrgeometer of Mickelson are described.

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8355. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Die Strahlungseigenschaften der Schneedecke. (Beiträge zur Geophysik 1931. Bd. 34, p. 354-66, illus.) *Title tr.:* Radiational properties of the snow cover.

Results of research carried out 1930-31 on penetration of solar and diffuse radiation into the snow cover. Description of pyranometer designed for the research, tabular results of measurements of solar radiation on surface and of its penetration, temperature of the snow surface and air temperature for certain days, Dec.-Apr.

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8356. KALITIN, NIKOLAI NIKOLAEVICH, 1884-1949. Summarnaiâ radiatsiia v Arktike. (Problemy Arktiki, 1940, no. 1, p. 36-43, tables) *Title tr.:* Total solar radiation in the Arctic.

The régimes of total solar radiation at five Soviet polar stations, at Sodankylä, Finland, and on the *Maud* in 1923-25 near 73°N. 158°E. are contrasted with those of the temperate latitudes; also comparison between these various arctic stations. Latitudinal effects and amount of diffused radiation are determined.

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8357. KALLIO, NILO. Die Erstreckung des Gewitters nach dem Nord. und Südpol. [Helsingfors, 1924] 11 p. map. (Finska vetenskaps-societeten. Commentationes physico-mathematicae. T. 2, nr. 10) *Title tr.:* The extension of thunder storms toward the North and South Poles.

Compilation of data from published sources on the number of thunder storms, arranged by latitude north and south, with discussion, and chart showing the relationship of the lines of northern limits of such storms and of the 4°C. July isotherm.

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8358. KALLQUIST, CLARENCE R., and others. Direction and velocity of the wind from observations of pilot-balloons and from the anemograph at Mount Evans, from July, 1927 to July, 1929. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 225-39) *Other authors:* W. S. Carlson and L. R. Schneider.

Contains tabular data for the local-

ity 66°51'N. 50°55'W. near the head of Søndre Strømfjord.

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8359. KALLQUIST, CLARENCE R., and others. Heights, azimuths and velocities of pilot-balloons at Mount Evans from July 21, 1927 to July 19, 1929. (In: Michigan. University. Greenland Expeditions, 1926-1933. Reports, 1931. Pt. 1, p. 71-224) *Other authors:* W. C. Carlson and L. R. Schneider.

Contains tabular data taken at 66° 51'N. 50°55'W. near the head of Søndre Strømfjord.

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KALMBACH, EDWARD R., *see* Brandt, H. Alaska bird trails. 1943.

8360. KAL'NILOTSKII, A. Nauchno-issledovatel'skaia rabota v oblasti poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva letom 1939 goda. (Problemy Arktiki, 1939, no. 7-8, p. 99-102) *Title tr.:* Research work in the field of polar agriculture, stock raising and hunting economies in the summer of 1939.

Plan of work for 1939 by Research Institute of Polar Agriculture, Stock Raising and Hunting Economy; list of regional stations controlled by this Institute.

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8361. KAL'VITS, OTTO ARTUROVICH, 1889-1931. Poliarnyi pilot; pervyi issledovatel'skii reid (ot zaliva Lavrentiia do reki Leny). (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 238-62, illus.) *Title tr.:* Polar pilot; first experimental flight (from St. Lawrence Bay to Lena River).

Report by the pilot on the northern flight of the *B-33* in 1929 along the arctic Siberian coast from St. Lawrence Bay (on the Bering coast of Chukotsk Peninsula) via Wrangel and Lyakhovskii Islands to the mouth of Lena River; discussion of the conditions of the air communications in these regions. Preceding this report (p. 237) is a biographical sketch of the author.

Copy seen: DLC.

KAMANIN, L. G., *see* Krashenninnikov, S. P. Opisanie zemli Kamchatki. 1943.

8362. KAMERNITSKAIA, E. I. Razlichenie kosiakov treski Barentsova moria po strukture cheshui. (Moskva.

Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939, T. 4, p. 396-416, illus., diagrs.) *Title tr.*: Identification of shoals of the Barents Sea cod by the structure of scales.

A study based on investigation of over five thousand specimens of scales of codfish taken in several locations in the Barents Sea, leading to a determination of various cod groups forming the individual schools of this fish, also their age, and race. Bibliography (35 items). Summary in English.

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8363. KAMINSKII, A. A. Etapy organizatsii seti meteorologicheskikh stantsii v Iakutii. (Akademiia nauk SSSR. Komissia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1928. Vyp. 11, p. 31-47, fold. map) *Title tr.*: Stages in the organization of a network of meteorological stations in Yakutia.

A historical sketch of the development of meteorological stations in the Yakut A.S.S.R.; with list giving names of the main, and numbers of the secondary stations, 1820-1926; also a map showing their locations. Summary in English, p. 220-23. *Copy seen:* DLC.

8364. KAMINSKII, A. A. K voprosu o klimaticheskikh granitsakh v Iakutii. (Akademiia nauk SSSR. Komissia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1928. Vyp. 11, p. 62-69) *Title tr.*: On the climatic boundaries in Yakutia.

A general discussion of climatic conditions of the Yakut A.S.S.R., and of meteorological phenomena as factors determining the vegetative and (through these) other characteristics of the region. Summary in English, p. 226-28. *Copy seen:* DLC.

8365. KAMINSKII, A. A. K voprosu ob opredelenii glubiny zaleganiia merzloty v pochve. (Leningrad. Glavnaia geofizicheskaiia observatoriia. Izvestiia, 1929. no. 2, p. 10-15) *Title tr.*: Regarding the question of the depths of permanently frozen soil.

Shows that the chemical and physical nature of the soil influence the depth and the temperature at which soil becomes frozen. Summary in English. *Copy seen:* DLC.

8366. KAMINSKII, A. A. Materialy po klimatologii severnogo poberezh'ia Azii. Leningrad, 1928. 7 p. l., iii-lxxvi, 221 p. 9 plates, tables. (Akademiia nauk SSSR. Komissia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Trudy. T. 5.) *Title tr.*: Materials on the climatology of the northern coast of Asia.

Contains (p. iii-lxxvi) introductory matter in which the organization, instrumentation and program of the meteorological work of the Baron von Toll Expedition, 1900-1903, is described and illustrated, and results of observational data are discussed.

Tables (p. 1-69) of daily routine meteorological observations at 07, 13 and 21 hours, hourly recordings of pressure, temperature, relative humidity, wind direction and speed, cloudiness, precipitation, fog and other phenomena, at Nablyudeniy Island (76°8' N. 95°4'E.) off the Taymyr Peninsula during the period Oct. 1900-Aug. 1901. Observations are summarized with discussion of results.

Daily observations (p. 70-71) at 07, 13 and 21 hours, of the ground temperature at depths of 0.2 m. and 0.4 m. and at 13 hours at 0.8 m. and at 1.6 m. on Nablyudeniy Island during the period Dec. 1900-Aug. 1901.

Daily routine meteorological observations (p. 72-131, 134-43, 182-85) at 07, 13 and 21 hours, and hourly recordings of pressure, temperature, relative humidity, wind direction and speed, cloudiness, precipitation, fog and other phenomena at Nerpicha Bay on Kotel'nyy Island, during the period Oct. 1901-June 1902. Daily routine observations at 07, 13 and 21 hours at Mikhailov, June-Oct. 1901, and at Birrula Stan, May 27-Dec. 3, 1902, and Mar. 21-Dec. 4, 1903; and on overland trips in Mar. and Dec. 1903.

Daily observations (p. 132-33) of ground temperatures at 07, 13 and 21 hours at depths of 0.2 m., 0.4 m., and 0.8 m. at Nerpicha Bay, during the period Nov. 1901 July 1902.

Daily routine meteorological observations (p. 144-45, and 167-82) at Tiksi Bay, during the period May-July 1903, and on overland trips out of Kazach'ye (about 71°N. 136°E.) intermittently during the period Apr. 11, 1901-Mar. 7, 1903.

Daily routine observations (p. 146-

63) taken on board the yacht *Zariā* en route from Ekaterinskaya Gavan' on Kola Peninsula through the Barents and Kara Seas to waters off the Taymyr Peninsula, during the period July 24-Oct. 1, 1901; en route thence to Nerpicha Bay on Kotel'nyy Island Aug. 25-Sept. 30, 1901, and to other islands of the New Siberian archipelago; thence to Tiksi Bay Aug. 1-Sept. 12, 1902.

Translation (introductory matter and tabular explanations throughout) in German.

Plates are illustrations from photographs of the sites and equipment of the expedition's work.

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8367. KAMINSKII, A. A. Problemy maloi podvizhnosti vozdukh na territorii Yakutii. (Akademiia nauk SSSR. Komissiiā po izucheniiu Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1928. Vyp. 11, p. 70-88, tables) *Title tr.:* On the low mobility of air over the territory of Yakutia.

Discussion and tabular data on air pressure, air currents and winds, prevailing in the Yakut A.S.S.R. Summary in English, p. 228-30.

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KAMINSKII, A. A., *see also* International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung 1928. 1929.

8368. KAMINSKII, M. Chukotskaia aviatsiia. (Sovetskaia Arktika, 1940, no. 12, p. 50-51, illus.) *Title tr.:* Aviation in the Chukotsk region.

Sketch, written by a pilot on the occasion of the tenth anniversary of the Chukotsk National District, describing progress of aviation in the region from 1934 to 1940.

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8369. KAMINSKII, M. Udeshevit' stoimost' letnogo chasa v polarnoi aviatsii. (Sovetskaia Arktika, 1940, no. 3, p. 21-25, illus.) *Title tr.:* Reduce the cost of flights in polar aviation.

Contains data on cost of air service in the Chukotsk region and suggestion for greater economy by changing the system of delivering aviation gasoline and reducing the plane crew from five to three.

Copy seen: MH-L.

8370. KANDINSKII, V. V. Iz materialov po etnografii sysol'skikh i vychedskikh zryian Natsional'nyiia bozhestva. (Etnograficheskoe obozrenie, 1889. v. 1, no. 3, p. 102-110) *Title tr.:* Materials on the ethnography of the Zyryans of the Sysol'sk and Vychedsk regions. National deities.

Contains notes on the religious beliefs and attitudes of a group of Zyryans who underwent considerable acculturation; data on the cults of fire, ancestors, concepts of soul and the hereafter, spirits of the hearth and evil spirits of the forest.

Copy seen: DLC.

8371. KANE, ELISHA KENT, 1820-1857. Access to an open polar sea, in connection with the search after Sir John Franklin and his companions. Read before the American Geographical and Statistical Society, Dec. 14, 1852. New York, Baker, Godwin & Co., Printers, 1853. 24 p. fold. map.

Reprinted from American Geographical and Statistical Society. Bulletin, 1852. v. 1, no. 2, p. 85-102; reprinted also in the author's *U. S. Grinnell Expedition*, 1853.

Discussion of the north polar sea, and of a conjectural northward extension of Greenland, with an outline of plans for the Second Grinnell Expedition exploring north and west from the Smith Sound region.

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8372. KANE, ELISHA KENT, 1820-1857. Adrift in the arctic ice pack, from the history of the first U. S. Grinnell Expedition in search of Sir John Franklin, by Elisha Kent Kane, M.D. Ed. by Horace Kephart. New York, Outing Pub. Co., 1915. 402 p. incl. front. (double map) illus. (Outing adventure library. [no. 5])

"The following pages comprise chapters 20 to 46 of Dr. Kane's work 'The U. S. Grinnell expedition in search of Sir John Franklin: a personal narrative' (London and New York, 1854) omitting nothing but some scientific observations."—Introd.

Copy seen: DLC.

8373. KANE, ELISHA KENT, 1820-1857. Arctic explorations: the Second Grinnell Expedition in search of Sir John Franklin, 1853, '54, '55. Illustrated by upwards of three hundred

engravings, from sketches by the author. Philadelphia, Childs & Peterson; [etc., etc.] 1856. 2 v. v. 1: 1 p. l., 464 p. illus. (incl. music), 12 plates, port., 3 maps (incl. 1 fold.); v. 2 1 p. l., 457 p. illus. 8 plates, port., map, fold. diagr. Added engraved title-page with vignette.

This work was reissued with imprint date, 1857. Narrative of the Second Grinnell Expedition on the *Advance*, 1853-1855, Dr. Kane in command, under auspices of the U. S. Navy and various scientific institutions, to search for the Sir John Franklin Expedition, to explore, and to make scientific investigations and collections in the region north of Smith Sound.

Contains an account of the organization and course of the expedition based on "passages of [Kane's] journal of interest to the general reader": the voyage to Smith Sound, the wintering at Rensselaer Harbor on the northwest coast of Greenland, the making of observations, sledge journeys, explorations, surveys, etc.; notes upon the Eskimos, flora and fauna, Humboldt and other glaciers, ice, etc.; the abandonment of the *Advance*, and the party's return to Upernavik in small boats.

Appendices: No. 1. Instructions of the Secretary of the Navy to Kane.

No. 2-3. Preliminary report of Kane to the Secretary of the Navy (a summary of the work and events of the expedition) with appended documents.

No. 4. Letter from the Secretary of the Navy ordering the rescue or relief of Dr. Kane and his party, with appended reports on the progress of the rescue ship.

No. 5. Journals and field notes of various exploring parties of the expedition 1853-54, with record of some observations.

No. 6. Table of geographical positions determined by the expedition (northeast coast of Ellesmere Island, northeast coast of Greenland, about 78°-82°N.) with notes on some positions.

No. 7. Abstract of the log book of the *Advance*, June-Sept. 1853.

No. 8-9. Astronomical observations at Van Rensselaer Harbor, by August Sonntag.

No. 10. Methods of survey (of the coasts of Smith Sound, and, of the

Greenland coast southward to Melville Bay).

No. 11. Determination of temperature with tables of readings, etc.

No. 12. Meteorological abstracts.

No. 13-14. Contributions on climate, by A. Schott.

No. 15-17. Magnetic observations.

No. 18. Enumeration of plants, collected by Dr. E. K. Kane, on the first and second expeditions to the polar regions, with descriptions and remarks by E. Durand.

Review and discussion of this publication (1857 issue) *Arctic Explorations*, by Dr. Elisha K. Kane, by J. D. Dana, in American journal of science, 1857. Ser. 2, v. 24, p. 235-51.

Copy seen: DLC.

8374. KANE, ELISHA KENT, 1820-1857. Astronomical observations in the arctic seas, made during the Second Grinnell Expedition in search of Sir John Franklin, in 1853, 1854, and 1855, at Van Rensselaer Harbor, and other points in the vicinity of the northwestern coast of Greenland. Reduced and discussed, by Charles A. Schott. [Washington, Smithsonian Institution, 1860] 3 p. l., 49 p. front. (map) diagrs. (Smithsonian contributions to knowledge. v. 12, art. 2. Smithsonian Institution publication 129).

Contains description of instruments and (in appendix) of sites and methods of survey; observations (made by Augustus Sonntag) and results.

Map 1:2,500,000, northwest coast of Greenland and northeast coast of Ellesmere Island, "newly projected from revised astronomical reductions."

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8375. KANE, ELISHA KENT, 1820-1857. Kane, der Nordpolfahrer. Arktische Fahrten und Entdeckungen der zweiten Grinnell-Expedition zur Aufsuchung Sir John Franklin's in den Jahren 1853, 1854 und 1855 unter Dr. Elisha Kent Kane. Beschrieben von ihm selbst. 2. verm. Aufl. Mit 120 in den Text gedruckten Abbildungen, acht Tondrucktafeln und einer Karte der nordamerikanischen Polarländer. Leipzig, O. Spamer, 1859. xii, 288 p., illus., 8 plates (incl. front.) fold. map. Title tr.: Kane the north polar explorer. Arctic explorations and discoveries of the Second Grinnell Expedition in search of Sir John Franklin, in the

years 1853, 1854, and 1855, under Dr. Elisha Kent Kane, written by himself. 2d enlarged edition with 120 illustrations in the text, eight plates and a map of the North American polar regions.

A translated and highly condensed account, adapted by Fr. Kiesewetter from Kane's *Arctic explorations*, q.v., with preliminary chapters on northern exploration, the Northwest Passage, nature and man in north polar travel, life of Dr. E. K. Kane.

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8376. KANE, ELISHA KENT, 1820-1857. *Magnetical observations in the arctic seas, made during the Second Grinnell Expedition in search of Sir John Franklin in 1853, 1854, and 1855, at Van Rensselaer Harbor, and other points on the west coast of Greenland. Reduced and discussed, by Charles A. Schott.* [Washington, Smithsonian Institution, 1859] 4 p. l., [3]-66 p. diags. (Smithsonian contributions to knowledge. [v. 10, art. 3] Smithsonian Institution publication 97)

Contains notes on instruments, and methods used, with tables of results of observations made by August Sonntag: magnetic declination, 1854, inclination, 1853-55, intensity, 1854-55.

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8377. KANE, ELISHA KENT, 1820-1857. *Meteorological observations in the arctic seas, made during the Second Grinnell Expedition in search of Sir John Franklin, in 1853, 1854, and 1855, at Van Rensselaer Harbor, and other points on the west coast of Greenland. Reduced and discussed by Charles A. Schott* [Washington, Smithsonian Institution, 1859] 4 p. l., 112 p., diags. (Smithsonian contribution to knowledge. [v. 11, art. 5] Smithsonian Institution publication 104).

Contains notes on instruments and methods used; record and discussion of temperatures, direction and force of wind, and of atmospheric pressure.

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8378. KANE, ELISHA KENT, 1820-1857. *Physical observations in the arctic seas, made during the Second Grinnell Expedition in search of Sir John Franklin, in 1853, 1854, and 1855, at Van Rensselaer Harbor, and other points on the west coast of Greenland.*

Reduced and discussed, for the Smithsonian Institution. By Charles A. Schott. Washington, Smithsonian Institution, 1859-60. [339] p. chart, diags. (Smithsonian contributions to knowledge) Smithsonian Institution publication 198.

A separate issue, bound together in one volume with new general title-page added, of the author's four papers: *Magnetical observations 1859, Meteorological observations 1859, Astronomical observations 1860, Tidal observations, 1860*, q.v.

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8379. KANE, ELISHA KENT, 1820-1857. Report to the Secretary of the United States Navy, at Washington, of the Expedition in search of Sir John Franklin, during the years 1853-4-5, with a chart showing the discoveries made in the arctic regions. (Royal Geographical Society. Journal, 1856. v. 26, p. 1-18, fold. map)

Contains an account (in brief) of the Second Grinnell Expedition, during which the coast of northwest Greenland was explored from Prudhoe Land to Washington Land, as was the Ellesmere Island coast from Cape Sabine northward along Kane Basin.

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8380. KANE, ELISHA KENT, 1820-1857. *Tidal observations in the arctic seas, made during the Second Grinnell Expedition in search of Sir John Franklin, in 1853, 1854, and 1855, at Van Rensselaer Harbor. Reduced and discussed, by Charles A. Schott.* [Washington, Smithsonian Institution, 1860] 3 p. l., 82, [2] p. diags. (Smithsonian contributions to knowledge. [v. 13, art. 2]) Smithsonian Institution publication 130.

Contains notes on instrumentation and methods; record and reduction of tides at Rensselaer Bay (78°37'N. 71°W.) northwest Greenland.

Appendix: Tidal observations made on board HMS *North Star*, Commander Saunders, Wolstenholme Fjord Nov. 1849-July 1850.

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8381. KANE, ELISHA KENT, 1820-1857. *The U. S. Grinnell Expedition in search of Sir John Franklin. A personal narrative.* New York, Harper & Brothers, 1853. xi, 13-552 p. incl. illus., tables, front., 11 plates, maps (1 fold.) Reissued with imprint date, 1854.

Narrative (by the surgeon) of the First Grinnell Expedition under Lt. DeHaven, on the *Advance* and the *Rescue*, to the Lancaster Sound—Wellington Channel region, 1850–51. Contains account (based mainly on Kane's day-to-day journal) of the organization and course of the expedition to Lancaster Sound, Barrow Strait, Wellington Channel, the drift in ice in that region, Sept. 1850–June 1851, with comments on the Eskimos, animal life, hunting, ice conditions.

Appendices: A. Instructions of the Secretary of the Navy to Lt. DeHaven.

B. Lt. DeHaven's official report of the American Arctic Expedition.

C. Meteorological abstract (daily, May 1850–Sept. 1851, record of variation, current, drift, wind, temperature, etc., in Davis Strait, Baffin Bay, Lancaster Sound, Wellington Channel, Barrow Strait, etc.)

D–E. Winds [etc.]

F. Lecture on the access to an open polar sea . . . read before the American Geographical and Statistical Society by Dr. Kane, Dec. 14, 1852. (general discussion of the arctic seas, the Franklin search, and of plans for Kane's Second Grinnell Expedition, 1853–55). **Copy seen:** DLC.

8382. KANE, ELISHA KENT, 1820–1857. The United States Grinnell Expedition, in search of Sir John Franklin. A personal narrative. New edition. Philadelphia, Childs & Peterson, 1856. xix, [13]–552 p. incl. illus., tables, 6 plates, map (1 fold.) Reissued with imprint date, 1857.

Another edition, with the addition of a portrait and (p. vii–xiii) a sketch of the life of Franklin (from Allibone), the omission of seven plates, and the text printed apparently from the same setting of type as the first edition. **Copy seen:** DN–HO; PPN.

8383. KANE, ELISHA KENT, 1820–1857. Zwei Nordpolarreisen zur Aufsuchung Sir John Franklins; von Elisha Kent Kane. Deutsch bearb. von Julius Seybt. Leipzig, C. B. Lorck, 1857. xxviii p. 1 l., 298 p. 2 maps (1 fold.) (Added t.-p.: Hausbibliothek für Länder- und Völkerkunde. Hrsg. von Karl Andree. 12. Bd.) **Title tr.:** Two north polar voyages in search of Sir John Franklin.

Contains combined accounts of the First and Second Grinnell Expeditions

based on Dr. E. K. Kane's *Arctic explorations* and his *U. S. Grinnell Expedition*, q.v. **Copy seen:** DLC.

KANE, ELISHA KENT, 1820–1857, see also Durand, E. *Plantae Kaneanae Groenlandicae*. 1856.

KANE, ELISHA KENT, 1820–1857, see also Rhodes, C. C. Professor Sonntag's narrative of Grinnell Exped. 1857.

KANE, ELISHA KENT, 1820–1857, see also Weber, H. J. Im Lande d. Mitternachtssonne. 1884.

8384. KANITSCHIEDER, RUDOLF, and MAX TOPERCZER. Bearbeitung des erdmagnetischen Beobachtungsmaterials der österreichischen Jan Mayen-Expedition im Polarjahre 1932/33. (Akademie der Wissenschaften, Wien. Mathematisch - naturwissenschaftliche Klasse. Sitzungsberichte, 1935–36. Abt. IIa. Bd. 144, p. 517–59, incl. tables, illus., diagrs; Bd. 145, p. 483–94, incl. tables) **Title tr.:** The results of the geomagnetic observations of the Austrian Jan Mayen Expedition during the International Polar Year, 1932–33.

The Austrian station, located at Jameson Bay, 70°58'08"N. 8°19'08"W., was occupied by H. Toller, leader, R. Kanitschieder and F. Kopf, Oct. 1932–July 1933. The authors give (in pt. 1) description of the locality, magnetic station, instrumentation, and methods; a brief account of the expedition; discussion of the absolute measurements of magnetic elements and magnetic variation; and tables of monthly means, daily values (divided into four periods) of the three magnetic elements, Nov. 1932–July 1933, and daily variations.

Pt. 2. The daily course of magnetic elements on quiet days, and the frequency of time of appearance of the extremes. **Copy seen:** DGS.

8385. KANTOR, E. Problema osedaniâ malykh narodov Severa. (Sovetskii Sever, 1934, no. 5, p. 3–10) **Title tr.:** The problem of making settlers of the nomads of the North.

Discussion of the complexity of the problem of transforming the nomadic aborigines of the North (about half of its population) into stable settled population; its importance for the economy of the entire country.

Copy seen: DLC.

8386. KANTOROVICH, VLADIMIR
IAKOVLEVICH. S Karskoĭ ěkspe-
dit͡siei po Severnomu morskomu puti.
Moskva, Izd-vo "Molodaĭa Gvardiĭa",
1930. 205, [3] p. illus., map. (Bibli-
oteka ěkspeditsii i puteshestvii). *Title*
tr.: With the Kara expedition along the
Northern Sea Route.

Popular account of the author's trip
in 1928 from Arkhangel'sk to the Ob',
and then by river boat to Omsk. Crit-
ical portrayal of life and development
in northwest Siberia, with comments
on navigation along the route and the
significance of the Siberian trade.
Chapters on the history of the North-
ern Sea Route, foreign shipping, the
Russian ice-breakers, the *Malygin* as
a sealer, and the Samoyeds.

Copy seen: DLC.

8387. KAPITOKHIN, A. Polĭarnaĭa
stant͡siĭa ostrova Uedineniĭa. (Sovet-
skaĭa Arktika, 1939, no. 9, p. 68-76,
illus.) *Title tr.*: The polar station at
Uyedineniya Island.

Description of the island and scien-
tific work of the polar station by a
member of the first wintering party
there in 1934-36. Outline of the ex-
ploration, physical geography, animal
life, marine erosion, favorable situa-
tion of the island (77°28'N. 82°28'E.,
almost in the center of Kara Sea) for
meteorological and hydrologic obser-
vations.

Copy seen: DLC.

8388. KAPLIN, A. Pushnye bogatstva
SSSR. (Vneshnĭaĭa torgovliĭa, Sept.
1945. God 15, no. 9, p. 21-24) *Title tr.*:
Fur resources of the U.S.S.R.

General review of developments in
the trade, 1931-39, for the Soviet
Union as a whole.

Translation in English available in
the Eastern European Division, Office
of International Trade, Dept. of Com-
merce, Washington, D. C.

Copy seen: DLC.

8389. KAPTAJN ALF TROLLE OG
HUSTRUS LEGAT TIL MINDE OM
DANMARK-EKSPEDITIONEN, 1906-
1908. Fredning af dyrebestanden i
Nordøstgrønland. København, Levin &
Munksgaard, 1938. 19 p. 12 plates, map.
(Publikationer om Østgrønland, nr. 6)
Title tr.: Conservation of animals in
northeast Greenland.

Contains text of the East Greenland
Agreement, 1924, between Denmark
and Norway, which established free

access in East Greenland for hunting,
fishing and trapping; remarks on need
for preservation of seals, whales and
game, and on the hunting methods used,
with suggested regulations for hunting
and preservation of animals.

Copy seen: DSI-M.

8390. KAPTEREV, P. N. Po taige;
putevye ocherki. [Moskva] Moskovskii
rabochii. 1948. 86 p. illus. (Priroda i
chelovek). *Title tr.*: Along the taiga;
traveler's account.

A popular survey of the nature of
the taiga. Gives an explanation of per-
mafrost and its phenomena, descrip-
tion of the permafrost laboratory in
Moscow; story of how frozen mam-
moth remains were found in Siberia;
description of "naled'" (the surface
ice-layer formed by eruption of under-
ground waters in permafrost regions)
and its destructive force; the experi-
ments with fossil microorganisms and
seaweeds found in permafrost, p. 1-39.
Author's experiences traveling in
taiga, p. 39-59. Description of "ice-
caves" in U.S.S.R. (not in arctic re-
gion). Account of a forest fire in the
taiga and escape of a party of explor-
ers (no date and no place), p. 75-84.

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KAPTEREV, P. N., *see also* Bykov,
N. I., & P. N. Kapterev. Vechnaĭa
merzlotā i stroitel'stvo na nei. 1940.

8391. KARAKASH, N. I. O faunĭe iz
valunov Bol'shezemel'skoĭ tundry.
(Leningradskoe obshchestvo estestvoi-
spytatelei. Trudy, 1904. T. 35, vyp. 1,
p. 130-46, 162-63, map) *Title tr.*: On
fauna from boulders of Bolshezemel-
skaya Tundra.

Contains data on topography, geol-
ogy and fossil fauna of Bolshezemel-
skaya Tundra, Arkhangelsk region,
based on a study of the boulders col-
lected by V. A. Zhuravskii during his
exploring trip to this region, in sum-
mer of 1903; with list of about sixty
Devonian, Carboniferous, Permian and
Jurassic species of fossil molluscs
found in gneiss, granite and limestone
boulders. Summary in French.

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8392. KARAMYSHEV, E. D. Pribo-
r dliĭa opredeleniĭa periodov estestven-
nogo osveshcheniĭa na Severe. (Sovet-
skaĭa Arktika, 1937, no. 8, p. 123-24,
diagr.) *Title tr.*: Apparatus for de-

termination of natural lighting periods in the North.

Description of a portable device, invented by the author, for determination of solar light at a given point and moment.

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8393. KARAVAEV, M. N. Kratkii analiz flory stepei tsentral'noi iAkutii (Botanicheskii zhurnal, 1945. T. 30, no. 2, p. 62-76) **Title tr.:** A short outline of the vegetation of the steppes of central Yakutia.

Contains an ecological sketch of the steppe vegetation of central Yakutia, including its arctic region, with data on development, origin and typical phytocenoses; bibliography (51 items). Summary in English.

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8394. KARAVAEV, M. N. O reliktovykh mestoobitaniakh *Caragana jubata* Poir. na severe iAkutii, v nizov'iaKh r. Leny. (Botanicheskii zhurnal, 1948. T. 33, no. 5, p. 524-27) **Title tr.:** On relict localities of *Caragana jubata* Poir. in the northern Yakutia, in the lower Lena River basin.

Contains data on biology, ecology and geography of an alpine xerophyte, *Caragana jubata*, native to the mountainous region of central Asia and probably a Tertiary relict species, spreading beyond the Arctic Circle and found in the lower Lena River basin.

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8395. KARAVAEV, V. Formicidae. Petrograd, 1916. 4 p. (Ekspeditshiia brat'ev Kuznetsovykh na poliarnyi Ural, 1909. Résultats scientifiques. Livr. 17. Pub. as: Akademiia nauk SSSR. Mémoires, 1916. Sér. 8, classe physico-mathématique, vol. 28, no. 17) **Title tr.:** Formicidae. (Scientific results of the Expedition of the Kuznetsov Brothers to the Arctic Ural, 1909).

Annotated list with localities of six species of ants, collected in the Arctic Ural (area of former Berezovskii uезд and Khanema River basin).

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8396. KARAVAEVA, T. A. Beseda s letchikom iU. S. Prakhovym. (Sovetskaiia Arktika, 1936, no. 3, p. 98-99) **Title tr.:** Conversation with pilot iU. S. Prakhov.

This pilot's suggestions of airplanes, equipment, and clothing suitable for

flights in the far North. This article is followed (p. 99-100) by two others, giving similar recommendations from pilots B. V. Lavrov, and V. D. Volosinuk.

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8397. KARAVAEVA, T. A. Poliarnye vodianye sani. (Sovetskaiia Arktika, 1937, no. 2, p. 107-108) **Title tr.:** Arctic water sledges.

Description of experimental amphibious sledges, tested by the Main Administration of the Northern Sea Route in 1936. In a subsequent issue of the same journal is a description and illustration of similar but larger and more powerful sledges, designed by the same inventor on assignment of the Bureau of Inventions of the Northern Sea Route in 1937 (Sovetskaiia Arktika, 1937, no. 8, p. 135-36, illus.)

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8398. KARAZHEV, N. Ovoshchevodstvo v bukhte Tiksi. (Sovetskaiia Arktika, 1939, no. 3, p. 103-108, illus., tables) **Title tr.:** Vegetable growing at Tiksi Bay.

Based on the author's experience at the experimental station of Tiksi Bay (near 71°36'N. 129°12'E.) in 1935-36.

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8399. KARBATOV, V. P. Poliarnye stantsii v 1935 godu. (Sovetskaiia Arktika, 1935, no. 4, p. 6-18, illus., tables) **Title tr.:** Polar stations in 1935.

Development of the network of Soviet polar stations, 1933-35; task of the stations according to the instructions of the Main Administration of the Northern Sea Route, 1933; selection of wintering personnel; medical care, food, cultural facilities; types of houses. List of 77 stations at sea and on the mainland along the Northern Sea Route, 1935. Tables show development of polar stations' scientific and radio work, 1933-35.

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8400. KARDAKOVA - PREZHENTSOVA, E. A. Vodoroslevaiia rastitel'nost' Komandorskikh ostrovov. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia, 1938. T. 14, p. 77-108, illus.) **Title tr.:** The seaweeds of Commander Islands.

Results of the author's study, 1928-32, containing a description of algae found in the littoral zone of the islands,

and a list of seventy-five species, with brief notes on their distribution. Summary in English. *Copy seen:* DLC.

8401. KARELIN, D. B. Aisbergi v poliarnom basseine. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1945. T. 77, p. 169-71, sketch map) *Title tr.:* Icebergs in the Arctic Basin.

Report on icebergs observed during author's aerial reconnaissance in the N-311, I. I. Cherevichnyi piloting, Mar.-Apr., 1943, position given as 84°N.-84°30'N., north of Franz Josef Land and just south of the arctic pack. With the aid of his 1942 observations in the Kara Sea, author conjectures concerning the probable direction and rate of drift. *Copy seen:* NNA.

8402. KARELIN, D. B. Izokhrony zamernaniia i vskrytiia pribrezhnoi zony poliarnykh morei Soiūza v zimu 1934-35 goda. (Severnyi morskoi put', 1937. No. 6, p. 88-97, maps) *Title tr.:* Freezing and opening isochrons of the coast region in the polar seas of U.S.S.R. in the winter 1934-35.

A study, based on observations of polar stations of the Main Administration of the Northern Sea Route, presenting the focal points and the chronology of freezing and opening along the northern coast of the U.S.S.R., 1934-35.

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8403. KARELIN, D. B. Izuchenie granits mnogoletnego l'da v poliarnom basseine. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 4, p. 481-82, map) *Title tr.:* The study of pack ice limits in the polar sea.

A brief account of the progress of exploration work to determine the extent of pack ice north of the U.S.S.R., during the years 1940-46, with indication of ten outstanding flights into the region.

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8404. KARELIN, D. B. K. diskussii po ledovym prognozam. (Problemy Arktiki, 1940, no. 7-8, p. 13-20) *Title tr.:* On the discussion on ice forecasting.

On relation between theory and practice with regard to the debate upon ice forecasting in progress in the pages of *Problemy Arktiki*.

Copy seen: DLC.

8405. KARELIN, D. B. Ledovaia sluzhba v vostochnom sektore Arktiki v 1939 g. (Sovetskaiia Arktiki, 1940,

no. 4, p. 39-43, illus.) *Title tr.:* Ice service in the eastern sector of the Arctic in 1939.

Description of work in ice forecasting for East Siberian and Chukchi Seas in 1939. *Copy seen:* DLC.

8406. KARELIN, D. B. Ledovye nabludeniia poliarnykh stantsii. (Sovetskaiia Arktika, 1938, no. 2, p. 51-52) *Title tr.:* Observations on ice conditions at polar stations.

Theoretical discussion of the importance of a systematic ice service conducted by polar stations.

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8407. KARELIN, D. B. Ledovyi pokrov poberezh'ia Sovetskoi Arktiki. (Meteorologiia i gidrologiia, 1937, no. 2, p. 43-50, map) *Title tr.:* Ice cover of the Soviet Arctic coast.

The apparent wave propagation process of ice breaking up and freezing along the shores of the Soviet Arctic may furnish a new basis of ice forecasting in this area. The author indicates seven centers and the direction of the propagation from them on the basis of ice conditions observed (from polar stations) in 1934 and 1935, along the Northern Sea Route.

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8408. KARELIN, D. B. More Laptevskikh; nauchno-populiarnyi fiziko-geograficheskii ocherk. Moskva [etc], Izdatel'stvo Glavsevmorputi, 1946. 199, [1] p., illus., ports, maps. *Title tr.:* Laptev Sea; a popular scientific physico-geographical sketch.

Contents tr.: 1. Laptev Sea and its coast. 2. A short account of the exploration. 3. Physico-geographical peculiarities of the sea. 4. Life on the coast.

A description of Laptev Sea and of the adjoining region of the Yakut A.S.S.R., with a short history of expeditions to the area, from the 17th century to 1945. Bibliography, p. 197-98.

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8409. KARELIN, D. B. Novyi polet k Severnomu poliūsu. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1946. T. 78, vyp. 1, p. 123-24, illus.) *Title tr.:* New flight to the North Pole.

"Brief description of flight to North Pole early in Oct. 1945 by Arctic Institute of Leningrad to make autumn ice observations in the western sector of the Russian Arctic. Flew via Kha-

langa Bay, Cape Chelyuskin and Cape Molotov in the Severnaya Zemlya group; returned via Kotel'nyy Island in New Siberian Group and Chokurdakh near mouth of Indigirka." — Meteorological abstracts and bibliography, Jan. 1950, v. 1, no. 1, p. 20. Includes list of 16 (11 Soviet) successful trips to the Pole, 1909-1945. Reviewed by Evelyn Stefansson in Geographical review, Jan. 1947. v. 37, p. 154-55.

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8410. KARELIN, D. B. O ledovykh prognozakh dlia Murmanskogo poberezh'ia. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1935. No. 2, p. 60-65) *Title tr.:* On ice prognoses for Murman coast.

Discussion of the growing necessity for methodical organization of studies on ice conditions along the Murman coast and on ice prognoses in that region.

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8411. KARELIN, D. B. O periodichnosti ledovogo rezhima. (Sovetskaiia Arktika, 1936, no. 11, p. 106) *Title tr.:* On the periodicity of the ice régime.

Concerning A. Burke's paper, *On the periodicity in the ice régime*, 1936. q.v.

Copied seen: DLC.

8412. KARELIN, D. B. O sviazi termicheskogo i ledovogo rezhima v Arkticheskikh moriakh. (Problemy Arktiki, 1938, no. 2, p. 145-52, diagrs.) *Title tr.:* Interrelation between temperature and ice conditions in arctic seas.

An attempt at evaluation, based on data from observations at several polar stations.

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8413. KARELIN, D. B. Po Sovetskoi Arktike. Moskva, Izd-vo detskoï literatury, 1948. 95 p., illus., maps. *Title tr.:* Through the Soviet Arctic.

Description of the Soviet Arctic, general geography, population, wildlife, with brief historical sketch of expeditions to the North Pole; in popular style for school children.

Copied seen: DLC.

8414. KARELIN, D. B. Problema kratkosrochnykh ledovykh prognozov. (Sovetskaiia Arktika, 1940, no. 7, p. 10-17; no. 8, p. 25-29, illus.) *Title tr.:* The problem of short term ice forecasts.

Discussion of methods of ice forecasting and recent developments in this field.

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8415. KARELIN, D. B. Raspredelenie davleniia vozdukh nad severnoi poliarnoi oblast'iu. (Problemy Arktiki, 1940, no. 12, p. 51-61, sketch maps, tables) *Title tr.:* The distribution of air pressure over the north polar region.

Contains mean monthly pressure charts based on the observational results of a network of stations north of 60°N. for an eight-year period (Oct. 1932-Sept. 1940). Such features as the Polar Basin High and the Icelandic Low are compared with those drawn up by Baur in 1929.

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8416. KARELIN, D. B. Taniie l'da v Arktike pod vlianiem temperatur vozdukh. (Meteorologiya i gidrologiya, 1940, no. 4, p. 71-75, tables, diagrs.) *Title tr.:* Thawing of the ice in the Arctic under influence of the air temperature.

Results of mathematical calculations on the melting of arctic marine ice, based on the author's field observations, 1935-1938.

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8417. KARELIN, D. B. Temperatura poverkhnostnogo sloia vody Karskogo moria v 1936 g. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1937. No. 2, p. 113-16, 3 diagrs.) *Title tr.:* Surface-water temperatures of Kara Sea.

A short description of work conducted for the Arctic Institute U.S.S.R.

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8418. KARELIN, D. B. Vozdushnaiia ekspeditiia v vysokie shirot y Arktiki v 1941 g. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1945. T. 77, p. 164-69) *Title tr.:* An aerial expedition into high latitude of the Arctic in 1941.

An account of the flight of I. I. Che-revichnyi in the *N-169*, with three scientists aboard, mainly to observe pack ice and icebergs. Route: Archangel — Kara Bay — Cape Zhelaniya (Novaya Zemlya) — Franz Josef Land — Rudolf Island — Cape Molotov (Severnaya Zemlya) — Cape Chelyuskin — Kozhevnikov Bay—Kotel'nyy Island—Wrangel Island. Then the plane landed on three separate drifting icefields in the area 78°26'N. — 81°37'N. and 169°-35'W. — 176°40'E., where daily wind and air temperature observations were made and two soundings taken. The expedition returned by a similar route, covering 19,000 km. in 68 days.

Copied seen: NNA.

8419. KARELIN, D. B. Zamerzanie poberezh'ia Sovetskoi Arktiki. (Sovetskaiâ Arktika, 1936, no. 5, p. 93-94, illus.) *Title tr.*: Freezing of the Soviet arctic coasts.

Contains data on freezing of coastal waters in 1935, based on reports of polar stations. Table shows dates of appearance of sludge ice and complete freezing at various stations, Sept.-Oct. 1935. *Copy seen:* DLC.

8420. KARELIN, D. B. Zamerzanie severnogo poberezh'ia v 1936 godu i ledovyi prognoz na 1937 god. (Sovetskaiâ Arktika, 1937, no. 4, p. 87-89, illus.) *Title tr.*: The freeze-up along the northern coast in 1936 and the ice forecast for 1937. *Copy seen:* DLC.

8421. KARELIN, D. B. Znachenie nabliudenii "Sedova" dlia ledovykh prognozov. (Problemy Arktiki, 1940, no. 2, p. 111-13) *Title tr.*: The significance of observations of the *Sedov* for ice forecasting. *Copy seen:* DLC.

8422. KARELIN, D. B., and I. G. OVCHINNIKOV. Kratkosrochnye ledovye prognozy. (Problemy Arktiki, 1940, no. 3, p. 55-68, maps, diagrs.) *Title tr.*: Short-term ice forecasts.

Outline of methods used by the authors in East Siberian Sea and Chukchi Sea in 1939. *Copy seen:* DLC.

8423. KARELIN, V. S. Zapoliarnyi teatr. (Sovetskaiâ Arktika, 1938, no. 2, p. 85-95, illus.) *Title tr.*: Arctic Theatre.

Notice on performances of the Arctic Theatre (established by the Main Administration of the Northern Sea Route in 1935) during their first three tours beyond the Arctic Circle in 1935-37. *Copy seen:* DLC.

8424. KAREV, G. I. Pat'san i Faïna—novye parazity Kliûchevskogo vulkana. (Vsesoiûznoe geograficheskoe obshchestvo. Izvestiia, 1933. T. 65, vyp. 5, p. 404-407) *Title tr.*: Patsan and Faïna, new parasitic craters of the Klyuchevskaya Sopka.

The author's close observations of the newly-opened craters, during the eruption, 1932, of this volcano on Kamchatka Peninsula. *Copy seen:* DLC.

8425. KARK, R. M., and others. Defects of pemmican as an emergency ration for infantry troops. (War medi-

cine, June 1945. v. 7, p. 345-52, incl. table) *Other authors:* R. E. Johnson and J. S. Lewis.

Contains report on experiment with troops, fed only pemmican and tea; results as to fatigue, nutritional status and supplementary diet; tabular review of use of pemmican by arctic and antarctic explorers, 1827-1936; bibliography (51 items).

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KARK, R. M., *see also* No. 8214 *Feeding problems* . . . 1946; No. 12104 *Observations* . . . "Musk Ox", 1946.

8426. KARMISHIN, A. V. Vetroispol'zovanie v usloviakh Severa. (Sovetskii Sever, 1934, no. 4, p. 52-61, illus., tables) *Title tr.*: The utilization of air currents in the far North.

On the importance of the use of wind for electric power stations in the far North. Tables show data from several northern meteorological stations on mean monthly velocity of wind and the percentage of calm days. Discussion of various types of wind-driven generators constructed by the Central Wind-Power Institute in Moscow. Experience from installations in Novaya Zemlya and at the Biological stations of the State Institute of Oceanography in Polyarnoye settlement, 50 km. north of Murmansk. *Copy seen:* DLC.

8427. KARPATOV, V. D. I. Mendelev i Severnyi poliûs. (Sovetskaiâ Arktika, 1937, no. 6, p. 71-72) *Title tr.*: D. I. Mendeleev and the North Pole.

On Prof. D. I. Mendeleev's proposal for investigation of the Arctic Ocean, submitted to Count S. Iu. Vitte, Minister of Finance in 1901, not acted upon, but kept in the Archives of Leningrad University. *Copy seen:* DLC.

KARPF, ALLOIS, *see* Chavanne, J., & others. Literatur über d. Polar-Regionen. 1878.

8428. KARPINSKII, ALEKSANDR PETROVICH, 1846-1936. Feodosii Nikolaevich Chernyshev (nekrolog). (Akademiâ nauk SSSR. Bulletin, fév., 1914, Sér. 6, t. 8, p. 167-84, port.)

Obituary of this geologist (1854-1914), outlining his share in the exploration of Timanskiy Kryazh, Novaya Zemlya, Svalbard. Bibliography (about 20 works on the Arctic).

Copy seen: DLC.

8429. KARPINSKII, ALEKSANDR PETROVICH, 1846-1936. O problematicheskom iskopaemom iz paleozoiskikh sloev severnogo Urala. (In: A. P. Karpinskii, *Sobranie sochinenii*, 1945. T. 1, p. 461-64.) *Title tr.*: On a problematic fossil from Paleozoic deposits of Northern Ural.

Contains a study of an impression of an animal fossil found by T. A. Dobroliubova in Paleozoic deposits in the Northern Urals and determined by the author as an amphibious animal probably related to the genus *Lepidosiren*, and named temporarily *Proamphibia problematica*. Reprinted from the author's earlier publication of the same title in *Akademiia nauk SSSR. Doklady*, 1930. *Copy seen*: MH.

8430. KARPINSKII, ALEKSANDR PETROVICH, 1846-1936. Zamechaniia o gornykh porodakh Kaninskogo khrebtia. (In: A. P. Karpinskii, *Sobranie sochinenii*, 1941. T. 3, p. 186-96, illus.) *Title tr.*: Notes on the crystalline rocks of Kanin Range.

Contains a study of metamorphic rocks (mostly schist) collected by K. I. Grevingk and F. J. Ruprecht in Kanin Ridge, Kanin Peninsula, with critical notes on constituent minerals. Reprinted from the author's original publication of the same title in *Akademiia nauk SSSR. Zapiski*, 1892, *pub.* 1891. T. 67, prilozhenie 11, p. 42-57.

Copy seen: MH.

8431. KARPINSKII, ALEKSANDR PETROVICH, 1846-1936. Zametka o vulkanicheskom peskii, vypavshem 15-16 marta 1907 g. v Petropavlovskii (Kamchatka). (*Akademiia nauk SSSR. Bulletin, mars*, 1908. Sér. 6, t. 2, p. 429-32) *Title tr.*: Notes on the volcanic sand which fell on March 15-16, 1907, at Petropavlovsk (Kamchatka).

Comparison through chemical analysis of this sand and the rocks of Avachinskiy Volcano, indicating the latter as the source of the sand. Reprinted in A. P. Karpinskii, *Sobranie sochinenii*, 1941. T. 3, p. 225-28.

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KARPINSKII, ALEKSANDR PETROVICH, 1846-1936, *see also* Grevingk, K. I. *Puteshestvie na poluostrov Kanin*. 1891.

KARRICK, NEVA L., *see* U. S. Fish & Wildlife Service. *Fishery Products*

Laboratory. *Utilization Alaskan cannery waste*. 1. 1947.

KARSAKOVA, N. V., *see* Flerov, B. K., & N. V. Karsakova. *Spisok vodoroslei Novoi Zemli*. 1932.

KARSAKOVA, N. V., *see also* Flerov, B. K., & N. V. Karsakova. *Vodorosli iugo-vost. chasti Barentsova moriia*. 1925.

8432. KARSHAN, MAXWELL, and others. Biochemical studies of the saliva of Eskimos, correlated with dental caries and the occurrence of salivary calculus. (*American journal of diseases of children*, Jan. 1940. v. 59, p. 39-44) *Other authors*: E. H. Siegel and L. M. Waugh.

Dental studies of the Eskimos of North America, unit 4, sect. 12, directed by L. M. Waugh, U. S. Public Health Service. Based on field work, Mar.-Apr. 1937, among Eskimos of the lower Kuskokwim River, Alaska and of Nunivak Island, aided by the U. S. Office of Indian Affairs and the Carnegie Corporation. Report on a study of stimulated and unstimulated saliva, in which higher mean values for total calcium, inorganic phosphate and carbon dioxide capacity were found in a caries-free group than in a group with caries.

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8433. KARSHAN, MAXWELL, and others. Dental caries among Eskimos of the Kuskokwim area of Alaska, II. Biochemical characteristics of stimulated saliva correlated with dental caries and occurrence of salivary calculus. (*American journal of diseases of children*, May 1939. v. 57, p. 1026-34) *Other authors*: T. Rosebury and L. M. Waugh.

Dental studies of the Eskimos of North America, sect. 4, unit 9, directed by L. M. Waugh, U. S. Public Health Service. Based on field work, June 17-Aug. 20, 1936, from a base laboratory at Bethel, aided by grants from the U. S. Office of Indian Affairs and from the Carnegie Corporation. Tabulated results and comments showing that caries among Eskimos is essentially the same disease as among other peoples; and that the differences in salivary characteristics between groups of Eskimos with and without caries are similar to those reported for others.

Copy seen: DLC; NNN.

KARSHAN, MAXWELL, *see also* Rosebury, T., & M. Karshan. Dental caries among Eskimos Kuskokwim 3. Dietary. 1939.

KARSHAN, MAXWELL, *see also* Siegel, E. H., & others. Dietary & metabolic studies Eskimo children. 1940.

8434. KARSTEN, PETTER ADOLF, 1834-1917. Fungi in insulis Spetsbergen et Beeren Eiland collecti. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1872, pub. 1873. Årg. 29, p. 91-108) *Title tr.*: Fungi collected on Spitsbergen and Bear Island.

List, with localities and some remarks, of sixty-two (including with descriptions, twenty new) species collected on West Spitsbergen and Bear Island during the Swedish expeditions to Spitsbergen, 1861 and 1868. Latin descriptions of the twenty new species were published also in Hedwigia, 1872. Bd. 11, no. 12, p. 182-87. (Copy seen at MH-F). *Copy seen:* DLC.

8435. KARSTEN, PETTER ADOLF, 1834-1917. Fungi rariores Fennici atque nonnulli Sibirici a Dre Edv. Vainio lecti. (Societas pro fauna et flora fennica. Meddelanden, 1885, pub. 1884. Häfte 11, p. 130-47) *Title tr.*: Rare fungi of Finland and some from Siberia collected by Dr. Edv. Vainio.

Contains a list of forty-nine species of fungi (six new) of Finland, including some native to arctic regions; and another list of eleven species from Tobolsk region, western Siberia, some collected near Berezovo.

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8436. KARSTEN, PETTER, ADOLF. 1834-1917. *Hymenomyces* Fennici. Helsingforsiae, 1881. 40 p. (Societas pro fauna et flora fennica. Acta, 1881-1885, pub. 1881. v. 2, no. 1) *Title tr.*: Finnish *Hymenomyces*.

Contains a systematic list of all known species (in four families and one hundred thirty-seven genera) of mushrooms (*Hymenomyces*) of Finland with localities, including some native to Finnish Lapland.

Copy seen: MH-A.

8437. KARSTEN, PETTER ADOLF, 1834-1917. Monographia Pezizarum Fennicarum. (Societas pro fauna et flora fennica. Notiser ur förhandlingar, 1869. Häfte 10 (ny ser. 7) p. 99-206)

Title tr.: Monograph on *Peziza* of Finland.

Contains a monographic treatment of two hundred thirty-nine species of the genus *Peziza*, with a key to sections, Latin descriptions of the species, synonymy and data on distribution; includes many of these fungi native to Finnish and Russian Lapland.

Latin descriptions of the twenty-five subgenera and one hundred eighteen new species native to Finland, have been published also in Hedwigia, 1869-70. Bd. 8, no. 11, p. 162-66; Bd. 9, no. 4, p. 56-61; no. 6, p. 81-84; no. 7, p. 97-100; no. 8, p. 113-19; no. 10, p. 145-50. (Copy seen in MH-F).

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8438. KARSTEN, PETTER ADOLF, 1834-1917. *Pyrenomyces aliquot novi*. (Societas pro fauna et flora fennica. Meddelanden, 1879, pub. 1880. Häfte 5, p. 47-51) *Title tr.*: Some new *Pyrenomyces*.

Contains Latin diagnoses of eight new species of *Pyrenomyces* (sphere fungi and their allies), including *Mytilostoma subcompressum* and *Hysterographium naviculare*, native to Kola Peninsula.

Copy seen: MH-A.

8439. KARSTEN, PETTER ADOLF, 1834-1917. Revisio monographica atque synopsis Ascomycetum in Fennia hucusque detecterum. Helsingforsiae, 1885. 174 p. (Societas pro fauna et flora fennica. Acta, 1881-85, pub. 1885. v. 2, no. 6) *Title tr.*: Monographic revision and synopsis of Ascomycetes found in Finland.

Contains a monographic revision of all sac fungi known from Finland with Latin descriptions of noteworthy species, conspects of the families and genera, synonymy and data on distribution in Scandinavia and Kola Peninsula.

Copy seen: MH-A.

8440. KARSTEN, PETTER ADOLF, 1834-1917. Sphaeropsidae hucusque in Jennia observatae. Helsingfors, 1890. 86 p. (Societas pro fauna et flora fennica. Acta, 1889-90, pub. 1890. v. 6, no. 2) *Title tr.*: Sphaeropsidae observed in Finland.

Contains an enumeration of all species of Sphaeropsidae, a family of Fungi Imperfecti, known from Finland, including many native to Finnish and Russian Lapland with conspects of gen-

era, critical notes, description of new species, synonymy, and data on distribution. *Copy seen:* MH-A.

8441. KARTSOV, V. G. Ocherk istorii narodov severo-zapadnoi Sibiri. Moskva, Gosudarstvennoe sotsial'no-ekonomicheskoe izd-vo, 1937. 132 p. *Title tr.:* Short history of the peoples of north-western Siberia.

Contains outline of the early history of the northwestern Siberians, their barter with neighbors, conquest by the soldiers of Novgorod and Moscow, social organization of native groups, colonization, introduction of Christianity and trade, Russian rule and the economic position of native groups, Soviet minority measures and results. *Copy seen:* NN.

8442. KASHEVAROFF, ANDREW P., 1863-193? Edible herbs and vegetables found in Alaska. [n.p.] 1918. 8 p. (Alaska Bureau of Publicity. Bulletin no. 9)

Notes on preparation of wild cucumber, nettles, goose tongue, wild parsley, wild rice, northern willow herb, and highbush cranberry.

Copy seen: DA.

8443. KASHEVAROFF, ANDREW P., 1863-193? Ivan Veniaminov, Innocent, Metropolitan of Moscow and Kolomna; his life and work in Alaska, drawn from his biography in the Russian. (Alaska magazine, Jan. 1927. v. 1, p. 49-56, 145-50, 217-24, illus., port.)

Biographical sketch of the noted Russian priest who christianized the Aleuts and other natives of southern Alaska in the early 19th century.

Copy seen: DLC.

8444. KASHEVAROFF, ANDREW P., 1863-193? Uncle Sam takes possession; an account of the transfer of 1867. (Alaska magazine, Jan. 1927. v. 1, p. 11-18, illus.)

Detailed account, based on documents and publications in the Alaska Historical Museum, of the preliminary events and the ceremonies in Sitka Oct. 12, 1867 connected with the transfer of Alaska to U. S. *Copy seen:* DLC.

8445. KASHEVAROV, Lieutenant. Zhurnal, vedennyi pri baidarnoi ekspeditsii, naznachennyi dlia opisi siver-nago berega Ameriki, 1838 goda s 5-go iuliia po 6-oe chislo sentiabriia togo-zhe goda. (Vsesoiuznoe geograficheskoe ob-

shchestvo. Zapiski po obshchei geogra-fii, 1879. T. 8, p. 275-361) *Title tr.:* The journal of a bidarka [canoe] expedition, intended for a survey of the north-ern coast of America, from July 5, 1838 to the 6th of September of the same year.

Day-to-day journal kept by the leader while his party sailed along the north-ern coast of Alaska from Cape Lis-burne (about 69°N. 166°W.), rounding Point Barrow (71°25'N. 156°10'W.), on July 23, and returning to Chamisso Island in Kotzebue Sound (point on island determined as 66°13'42"N. 161°22'56"W.) Includes air temperature ob-servations made every three hours, wa-ter temperature and wind direction (irregular); comments on wind and weather, notes on the physical geogra-phy of coastal points, occasional bathy-metric data, and information on the activities and attitudes of Eskimo tribes. *Copy seen:* NNA.

8446. KAS'ANOV, I. M. Sovkhoz Za-pol'ar'ia. (Sovetskaiia Arktika, 1936, no. 6, p. 53-60, illus., table) *Title tr.:* A state farm in the Arctic.

Description of agricultural achieve-ments of the Polyarny State Farm, established in the Igarka region in 1930.

Copy seen: DLC.

8447. KATS, NIKOLAI IAKOVLE-VICH, 1894-. Bolota evropeiskoi chasti Soiuza SSR. I. Tipy torfianobolotnykh obrazovaniï i ikh geografi-cheskoe raspredelenie. II. Vodnye i bolotnye rastitel'nye tsenozy i zakonomernosti ikh struktury. (Botanicheskii zhurnal, 1936. T. 21, no. 3, p. 293-343, text maps; T. 21, no. 4, p. 431-72) *Title tr.:* Marshes of the European part of the U.S.S.R. I. Types of peat bog formations and their geographical distribution. II. Aquatic and marsh phyto-cenoses and the natural laws of their structure.

Contains a study of the marshes and peat bogs, which are divided by the author into eight principal types on the bases of their vegetation, geographical distribution, including arctic regions of European U.S.S.R., characteristics of various phytocenoses, and bibliographies at the end of both parts (140 items). The corrected map is inserted at the end of T. 22, no. 1, 1937 of this journal. Summary in German.

Copy seen: MH-A.

8448. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- . Bolota nizov'ev reki Obi. (*In*: Akademiā nauk SSSR, Prezidentu Akad. nauk, 1939, p. 372-405) *Title tr.*: Marshes of the lower Ob' River.

Contains a physical and geographical survey of the Yamal Peninsula and a study of the marshes on the western coast of the Gulf of Ob' and their vegetation, with detailed data on fifty-two plant associations occurring on these marshes and peat bogs, based on the author's exploration in the summer of 1938.

Copy seen: MH.

8449. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- . Suktsessii flory mkhov na severe Sibiri v poslednikovoe vremia. (*Botanicheskii zhurnal*, 1944. T. 29, no. 4, p. 171-86) *Title tr.*: The succession of mosses on the North of Siberia during the post-glacial period.

Contains the results of a comparative study of the occurrences of the sphagnum mosses and some *Bryates* in the modern vegetation of the oligotrophic bogs and peat mosses of the post-glacial period; carried out by the author and S. V. Katš in the arctic regions of Siberia (lower Ob', Taz and Yenisey Rivers) in 1938 and 1939. Summary in English.

Copy seen: MH-A.

8450. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- . Tipy bolot i ikh razmeshchenie na territorii Evropeiskoi chasti SSSR. (*Zemlevedenie*, 1937. T. 39, vyp. 4-5, p. 388-454, tables, map) *Title tr.*: The types of marshes and their distribution in the territory of European U.S.S.R.

Contains classification of lowland marshes, chiefly peat bogs, according to vegetation and (to a lesser degree) microrelief. Includes (p. 388-424) a list of swamp types (oligotrophic, mesotrophic, eutrophic and mixed) with a detailed description of each type. Chapter 2 shows the geographical extent of different peat-bog formations in European U.S.S.R., and gives full description and location of four zones and subzones in the European North. Bibliography (includes 11 items concerning the North).

Map shows the location and limits of marsh zones and regions in European U.S.S.R.

Copy seen: DLC.

8451. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- . Über die Typen der Moore der westsibirischen Niederung und ihre geographische Zonation. (*Deutsche botanische Gesellschaft. Berichte*, 1930-1931, pub. 1931. Bd. 48, Heft 1, p. 13-25) *Title tr.*: On the types and geographical zonation of the marshes of the West Siberian lowland.

Contains a study of the peat bogs of western Siberia (Omsk and Krasnoyarsk regions) and their vegetative cover, divided into nine phytogeographical zones, including arctic tundra, typical tundra and forest tundra; based on the works of various explorers.

Copy seen: MH-A.

8452. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- . Zur Kenntnis der Moore des Fernen Ostens. (*Deutsche botanische Gesellschaft. Berichte*, 1932. Bd. 50, Heft 6, p. 273-88) *Title tr.*: To the knowledge of the marshes of the Far East.

Contains a study of distribution of peat bogs and their vegetative cover in Kamchatka Peninsula, based on the results of the investigation by various members of the Expedition of the Torf (Peat) Institute in 1931.

Copy seen: MH-A.

8453. KATŠ, NIKOLAI ĬAKOVLEVICH, 1894- , and TŠ. I. MINKINA. Torfiānye bolota severnoi chasti basseina reki Pechory. (*Moskva. Tsentralnaia torfiānaia opytnaia stantsiia. Trudy*, 1936. T. 1, p. 103-125, illus., maps, tables) *Title tr.*: Peat bogs of northern parts of the Pechora River basin.

Based on Pechora Peat Expedition under the first author's leadership in 1932. Description of four types of peat bogs in the region under investigation (62°30'-68°10'N.), their general characteristics, vegetation cover and quality of peat. Map shows route of the expedition and the areas investigated. Tables show botanical composition of the peat, its ash content, calorific value, degree of disintegration, thickness of deposits in various areas. Summary table of peat resources and technical characteristics of peat. Summary in English.

Copy seen: DLC.

8454. KATZ, FRANK JAMES, 1883-1930. A reconnaissance of the Willow Creek gold region. (*In*: U. S. Geologi-

cal Survey. Mineral resources of Alaska in 1910. Bulletin, 1911. No. 480, p. 139-52)

Contains notes on topography, routes, etc. of a ten-mile square area in the southwestern part of the Talkeetna Range (61°50'N., 149°20'W.) and description of the geology, the gold lodes, placers and properties.

Copy seen: DGS.

KATZ, FRANK JAMES, 1883-1930, see also Martin, G. C., & F. J. Katz. Geol. & coal fields lower Matanuska valley. 1912.

KATZ, FRANK JAMES, 1883-1930, see also Martin, G. C. & F. J. Katz. Geol. reconnaissance of Iliamna region. 1912.

KATZ, FRANK JAMES, 1883-1930, see also Prindle, L. M., & others. Geol. Fairbanks quadrangle & lode mining. 1913.

8455. KATZ, OTTO. Neun Männer im Eis; Dokumente einer Polartagödie. Berlin, Universum-Bücherei für Alle, 1929. 204 p. 44 plates (incl. map) sketch map. (Universum-Bücherei für Alle. Bd. 38) *Title tr.:* Nine men in the ice; documents of a polar tragedy.

An account of the Noble Expedition, 1928, the disaster of the airship *Italia*, and rescue efforts from various countries, with remarks on subsequent events.

Copy seen: MH.

8456. KAUFFMAN, ANDREW JOHN, 2d. A new ascent of Mount St. Elias. (Canadian alpine journal, 1947. v. 30, p. 44-57, 4 plates)

Account of an ascent by an eight-man party of the Harvard Mountaineering Club, July 16, 1946, the first successful attempt since the Duke of the Abruzzi's ascent from the north side in 1897.

Copy seen: DLC.

8457. KAUFMAN, R. B. Stalinskii marshrut. (Sovetskaiâ Arktika, 1936, no. 9, p. 88-90, illus.) *Title tr.:* The Stalin route.

Note on the non-stop flight: Moscow-Barents Sea-Franz Josef Land-Cape Chelyuskin-Petropavlovsk-on Kamchatka, by Chkalov, Baïdukov, and Beliakov in 1936.

Copy seen: DLC.

8458. Kaurin, Chr. *Bryum (Cladodinium) angustifolium* nov. sp. (Bota-

niska notiser, 1887, p. 113-14, plates 1-2)

Contains a Latin description of *Bryum (Cladodinium) angustifolium* n. sp., a moss native to Bodö, Nordland, Norway, and comparison with related species.

Copy seen: MH-A.

8459. KAVEEV, KH. Tslindricheskie uglubleniâ na poverkhnosti lednika Nordenshel'da, Novaiâ Zemliâ. (Problemy Arktiki, 1938, no. 3, p. 134-35, illus.) *Title tr.:* Cylindrical hollows on the surface of Nordenskiöld Glacier, Novaya Zemlya.

Remarks on the analysis of mineral sediment taken from the Nordenskiöld Glacier, (about 75°30'N. 58°E., northwestern Novaya Zemlya), and arguments against theory of cosmic origin of sediments in glacial hollows.

Copy seen: DLC.

8460. KAVELIN, E. Kolymskii kraï. (Sovetskii Sever, 1931, no. 2, p. 152-72) *Title tr.:* The Kolyma region.

General description of the region, based on the author's observations, 1927-29; and the population (based on the 1927 census); Yakuts, Russians, and others belonging to national minority groups, their occupations, livestock, cost of living, social structure, and relation between different national groups.

Copy seen: DLC.

8461. KAVELIN, E. V. strane Anakalin i Chaucha. (Sovetskii Sever, 1931, no. 7-8, p. 75-120) *Title tr.:* In the Anakalin and Chukchi land.

Diary, July 4-Nov. 19, 1927, of a member of a trade expedition to the Kolyma region, noting conditions of travel, nature of the country traversed, and the mode of life and customs of the Anakalin-Chukchi sealers settled on the coast.

Copy seen: DLC.

8462. KAVRAISKII, V. V. Opredelenie napravleniâ i mesta bliz' poliûsa. (Severnii morskoi put', 1939. No. 14, p. 17-37, tables, diagrs.) *Title tr.:* Determination of direction and of location near the Pole.

A mathematical study on methods of calculation, with seven tables to be used for nomographs.

Copy seen: DLC.

8463. KAYSER, E., 1845- Ueber eine Molluskenfauna vom Grey Hook auf Spitzbergen. Stockholm, P. A. Norstedt, 1901. (Svenska vetenskapsaka-

demien. Handlingar. Bihang. Bd. 27, afd. 4, no. 2) *Title tr.*: On the molluscan fauna from Grey Hook on Spitsbergen.

Descriptions of ten (including four new) species of fossil molluscs collected during the Swedish Arctic Expedition, 1898, at Grey Hook, northern coast of West Spitsbergen.

Copy seen: DLC.

8464. KAYSER, OLAF. The inland ice. (In: Greenland. Copenhagen, 1928. v. 1, p. 357-422, illus., diagrs.)

Contents: General outlines (extent and features). Snow limit and formation of ice. Height and shape. Surface features (ice front, cryoconite, crevasses, melting hummocks, moraines). Structure. Motion of the ice. Icebergs. Bibliography.

Copy seen: DLC.

8465. KAZANSKII, A. F. K mikroflore Novoi Zemli. (Akademiia nauk SSSR. Pol'iarnaii komissii. Trudy, 1932. Vyp. 7, p. 79-108) *Title tr.*: On the microflora of Novaya Zemlya.

Contains a study of microflora of soils, air, water and animals of Novaya Zemlya, carried out by the author in the Microbiological Laboratory in the region of Matochkin Shar during two winterings, 1926-27 and 1927-28, with special attention given to soil bacteria; microorganisms in the air, salt and fresh water, ice, etc., are also studied.

Copy seen: NN; NNM.

8466. KAZANTSEV, A. I. Dva tunguskikh cherepa. (Vsesoiuznoe geograficheskoe obshchestvo. Vostochno-sibirskii otdel. Izvestiia, 1928. T. 54, p. 75-82, 10 tables) *Title tr.*: Two Tungus skulls.

Description and detailed study.

Copy seen: DLC; NN.

8467. KAZHEVNIKOV, A. V. Obrabotka khibinskikh molibdenovykh rud. (In: Khibinskie apatity, 1933. T. 5, p. 40-48, illus.) *Title tr.*: The Khibina molybdenite ore concentration.

Results of analyses of samples of molybdenite from Takhtarvumchorr, Khibiny Tundra, Kola Peninsula, experiments in ore concentration; search for new methods of extracting the mineral from poor rocks.

Copy seen: DLC.

8468. KAZI-ZADE-KERIM. Opytno-issledovatel'skaii rabota na Solovkakh. (Sovetskii Sever, 1932, no. 6, p. 61-68,

tables) *Title tr.*: Experimental work at Solovki.

On the work of the Agricultural Experimental Station on Solovetsk Island in the White Sea. Results of tests on various types of cultures and different fertilizers used for swampy soils.

Copy seen: DLC.

8469. KEAN, ABRAM, 1855-1945. Old and young ahead, a millionaire in seals, being the life history of Captain Abram Kean; with a foreword by Sir Wilfred Grenfell. London, Heath, Cranton, Ltd., 1935. 218, [1] p. front. (port.) 2 plates, facsim.

Autobiography of a Newfoundlander, noted for his work in the cod and, especially, seal fisheries.

Copy seen: DLC; NNSf.

8470. KEANE, A. H. The Lapps: their origin, ethnical affinities, physical and mental characteristics, usages, present status, and future prospects. (Royal Anthropological Institute of Great Britain and Ireland. Journal, Nov. 1885. v. 15, p. 213-35)

General description of the Lapps and their culture, on the occasion of the visit of a Lapp family in London.

Copy seen: DLC.

8471. KEARNEY, H. Canada's reindeer. (Royal Canadian Mounted Police quarterly, Apr. 1941, v. 8, p. 444-49 incl. 2 p. illus.)

Brief sketch of the reindeer experiment for the natives of the northern Mackenzie District.

Copy seen: CaOM.

8472. KEDROLIVANSKII, VIKTOR NIKOLAEVICH, 1889- . Yakutskaii ekspeditsiia glavnoi geograficheskoi observatorii. (Leningrad. Glavnaia geofizicheskaii observatoriia. Izvestiia, 1929. No. 3, p. 20-27, illus.) *Title tr.*: The Yakutsk Expedition organized by the Central Geophysical Observatory.

Contains brief description of the expedition, its route, work, etc., in summer, 1929. The need for basic meteorological and aerological data in Yakutia is stressed and an account given of the first installations of meteorological stations in that area. Summary in English.

Copy seen: DLC.

8473. KEDROLIVANSKII, VIKTOR NIKOLAEVICH, 1889- . Po Lene i Aldanu (Ekspeditsiia v Yakutiia). (Kli-

mat i pogoda. 1929, no. 5-6 (26-27), p. 132-46, illus.) *Title tr.*: Along the Lena and Aldan Rivers (an expedition to Yakutia).

Narrative of a voyage in Yakutia during summer of 1929 in connection with the Yakutia Expedition of the Yakutsk Geophysical Observatory.

Copy seen: DWB.

8474. KEDROLIVANSKII, VIKTOR NIKOLAEVICH, 1889-. "Po reke Eniseiu do ostrova Dikson". (Inspektsiia poliarnykh stantsii). (Klimat i pogoda, 1933, no. 2 (47), p. 42-50, illus., map) *Title tr.*: Voyage up the River Yenisey to Dikson Island (Inspection of the polar stations).

The inspection was made in connection with meteorological work of the Second International Polar Year, also for the expansion of the network of magnetic observatories in this region. The author gives a descriptive account of the stations and the environmental conditions of the surrounding area.

Copy seen: DWB.

KEDROLIVANSKII, VIKTOR NIKOLAEVICH, 1889-, *see also* Leningrad. Glavnaia geofizicheskaiia observatoriia Poliarnaia stantsiia, Bolshoi Liakhovskii. Meteorologicheskie nabludeniia, 1928-31. 1936.

KEDROLIVANSKII, VIKTOR NIKOLAEVICH, 1889-, *see also* U.S.S.R. Komitet po provedeniiu 2-go mezhdunarodnogo poliar'nogo goda. Meteorologicheskie nabludeniia. 1936-37.

8475. KEDROV, L. Opisaniie geografiicheskoi osnovy dlia geologicheskoi karty severnoi chasti SSSR i indeksy k nei. Leningrad, Izd-vo Glavsevmorputi, 1937. 57, 1 p. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 87, chast' 2) *Title tr.*: The description of the geographical basis to the geological map of the northern part of the U.S.S.R. and the index to this map.

A short description of source material used in preparation of the geological map, 1:2,500,000, with an index of place-names, p. 13-57.

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8476. KEELE, JOSEPH, 1863-1923. The Duncan Creek mining district (Stewart River, Yukon Territory). (Canada. Geological Survey. Summary

report, 1904, pub. 1905. p. 18-42, fold., col. map)

Contains a description of the topography, drainage, general geology, and (in detail) the many creeks with their gold occurrences and prospecting, in the area of Stewart River and its tributaries from Mayo eastward (Mayo Lake, Rupe River, Nelson Creek, Mayo River, Duncan Creek and tributaries).

Map: outline (scale 5 mi.: 1 in.) portion of Duncan Creek mining district (about 63°16'-64°10'N., 134°45'-137°10'W.).

Copy seen: DLC.

8477. KEELE, JOSEPH, 1863-1923. Forests of the Yukon Territory. (Forest and outdoors, Apr. 1905. v. 1, p. 65-69, plate)

Notes on composition of the stands between the Pelly and McQuestion Rivers.

Copy seen: DA.

8478. KEELE, JOSEPH, 1863-1923. Mesozoic clays and sands in northern Ontario. (Canada. Geological Survey. Summary report, 1920, pub. 1921. Pt. D, p. 35-39, illus. (sketch map))

Description of Cretaceous deposits on Missinaibi River.

Copy seen: DLC.

8479. KEELE, JOSEPH, 1863-1923. Mesozoic clays in northern Ontario. (Canada. Geological Survey. Summary report, 1919, pub. 1920. Pt. G, p. 13-23)

Contents: Clays on Missinaibi and Mattagami Rivers; age of fire-clays; origin of clays; interglacial lignites and clays; index for this paper and for M. Y. Williams' *Palaeozoic rocks*, 1920.

Copy seen: DLC.

8480. KEELE, JOSEPH, 1863-1923. A reconnaissance across the Mackenzie mountains on the Pelly, Ross, and Gravel rivers, Yukon and North West Territories. Ottawa, Govt. Print. Bur., 1910. 54, 7 p. 10 plates, fold. map.

Report on investigations and a preliminary survey made July 1907-July 1908. Describes the topography, drainage, climate, fauna, fur trade, forests, transportation, general and economic geology of the region (roughly 62°-64°N. 125°-135°W.).

Map: preliminary topographic map (scale 1:506,880) of the region near these rivers, with descriptive notes. Gravel River was subsequently named Keele River.

Copy seen: DLC.

8481. KEELE, JOSEPH, 1863-1923. Report on the upper Stewart River region, Yukon. Ottawa, King's Printer, 1906. 23 p. 4 plates, fold., col. map. (Canada. Geological Survey. Annual report, 1904. New ser., v. 16, pt. C)

Contains a geological and topographical description of area above Fraser Falls, including the Hess, Lansing, Ladue, Beaver, and Rackla Rivers, with notes on the formations, fossils, igneous rocks, the glacial and economic geology.

Appendix: List of twenty-one butterflies and eight moths, determined by James Fletcher.

Copy seen: DLC.

KEELE, JOSEPH, 1863-1923, see also Ontario. Dept. of Mines. Abitibi & Matagami Rivers. 1920.

8482. KEELER, CHARLES. Days among Alaska birds. (*In:* Dall, W. H., and others. History, geography, resources. Harriman Alaska series, 1902. v. 2, p. 205-234, 16 plates)

An informal account of the author's observations of the habits, songs and calls, habitats and associations of the birds, made during the cruise and on shore trips of the expedition.

Copy seen: DLC.

8483. KEELER, NICHOLAS EDWIN, 1851- . A trip to Alaska and the Klondike in the summer of 1905. Cincinnati, Ebbert & Richardson Co., 1906. 115 p. 9 plates, incl. port.

The author toured the Inside Passage, crossed White Pass on the railway, visited Dawson, cruised around Alaska to St. Michael and Nome, and took a river boat up the Yukon to Nulato.

Copy seen: DLC; NNSStef.

8484. KEELY, ROBERT NEFF, 1860-, and G. G. DAVIS. In arctic seas. A narrative of the voyage of the Kite with the Peary Expedition to North Greenland. Philadelphia, E. Stern & Co., 1892. 215 p. incl. front., illus. 6 plates, incl. ports., fold. map.

The expedition of 1891-92, sponsored by the Academy of Natural Sciences of Philadelphia, was under command of Peary until he left the ship, then under Prof. A. Heilprin. The personnel included zoologists and botanists, with the authors of this narrative as surgeons. They give here an account of

the Kite's passage via West Greenland ports to McCormick Bay in Murchison Sound, North Greenland, and return, June-Aug. 1891; with informative details on Polar Eskimos' utensils, tools, sledges and clothes, and on sights along West Greenland coast. Includes notes on ice in Baffin Bay.

Copy seen: DLC; NNSStef.

8485. KEELY, ROBERT NEFF, 1860-, and G. G. DAVIS. In arctic seas. The voyage of the "Kite" with the Peary Expedition, together with a transcript of the log of the "Kite". Philadelphia, R. C. Hartranft, 1892. vii, 524 p. illus., 32 plates, 2 maps (1 fold.)

Another edition, of the preceding item, with the addition of a log of the second, or relief expedition of the Kite, July 4-Sept. 22, 1892; a narrative of the relief party's activities at McCormick Bay and on the inland ice; of Mrs. Peary's winter; and results of Peary's trans-Greenland march. Reissued in Philadelphia and London, 1893.

Copy seen: DLC; NNSStef.

8486. KEEN, A. MYRA. Molluscan species common to western North America and Japan. (Pacific Science Congress. 6th, Berkeley, Stanford University, and San Francisco, 1939. Proceedings, pub. Berkeley and Los Angeles, 1940. v. 3, p. 479-83)

Methodologic discussion of the question of past migrations of molluscs between North America and Asia by way of Aleutian waters, using as evidence lists of species checked as to their regional distribution.

Copy seen: DLC.

8487. KEENLEYSIDE, HUGH LLEWELLYN, 1898- . Recent developments in the Canadian North. (Canadian geographical journal, Oct. 1949. v. 39, p. 156-76, illus., double-face map)

"Based on the alumni lecture delivered at McMaster University, 14th May, 1949." Summary, in general terms, of social services and scientific research now carried on in the Canadian arctic and subarctic regions.

Copy seen: DLC.

8488. KEILHAU, BALTAZAR MATHIAS, 1797-1858. Notes in regard to the geology of Cherry Island and Spitzbergen. (Edinburgh new philosophical

journal, Oct.-Dec. 1829, *pub.* 1830. v. 8, p. 144-46)

Remarks delivered at a meeting of naturalists in Berlin, 1828, on the geologic relationship of Bear (Cherry) Island and West Spitsbergen.

Copy seen: DLC.

KEILHAU, BALTAZAR MATHIAS, 1797-1858, see also Hoel, A. Eldste bilde norsk bebyggelse Svalbard. 1935.

KEILIN, V. S., see Voskresenskii, A. A., & others. Shkura i kozha severnogo olenia. 1935.

8489. **KEISSLER, KARL.** Flechtenparasiten. Oslo, 1928. 5 p. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 38) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania). *Title tr.:* Parasitic fungi.

Twelve species of Ascomycetes (sac fungi) and Fungi Imperfecti are located and described.

Copy seen: DLC.

8490. **KEISSLER, KARL.** Über die als Pilze anzusehenden Arten unter den Norman'schen Moriolaceen. (Nytt magasin for naturvidenskapene, 1928. Bd. 66, p. 77-92) *Title tr.:* On species of Norman Moriolaceae considered as fungi.

Contains a critical revision of twenty-seven species of the lichen family Moriolaceae determined by J. M. Norman as pyrenocarpous lichens, but twenty of which proved to be true Fungi; includes three native to arctic regions of Norway. For an earlier revision, see Bachmann, E., *Die Moriolaceen*, 1926.

Copy seen: MH-Z.

8491. **KEITH, DAVID B.** Observations on the purple sandpiper in North East Land. (Zoological Society of London. Proceedings, 1938. v. 108, ser. A., p. 185-94)

Results of the author's studies during the Oxford University Arctic Expedition, 1935-36, a description of the "wing ceremony" of the purple sandpiper and other breeding habits.

Copy seen: DSI-M.

8492. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Alaska Ice, Inc. (Pacific Northwest quarterly, Apr. 1945. v. 36, p. 121-31)

Contains a description of the ice industry by which ice, produced chiefly

on Woody Island, near Kodiak, was sold in California between 1852 and 1879. Includes comparison of ice thickness and hardness at Woody Island and Sitka.

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8493. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Alaska's copper currency. (Alaska sportsman, May 1942. v. 8, no. 5, p. 8-9, 28-29, illus.)

Description of the currency used by Tlingit and Haida Indians in times past, with discussion of form, design, origin, antiquity, and value.

Copy seen: DLC.

8494. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Chirikof first saw land. (Alaska sportsman, Feb. 1941. v. 7, no. 2, p. 12-13, 28-29, illus.)

Account of the Bering voyage and discovery of Alaska, 1740-43.

Copy seen: DLC.

8495. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Gods, demons and ancestral spirits. (Alaska sportsman, Dec. 1942. v. 8, no. 12, p. 12-13, 27, illus.)

Discussion of shamanism in South-east Alaska Indian tribes.

Copy seen: DLC.

8496. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Hunting without a gun. (Alaska sportsman, Jan. 1937. v. 3, no. 1, p. 6-7, illus.)

Random notes on things to be seen and found along the beaches and byways of Northern Alaska, "from fossils and mineral deposits to ghost towns and primitive implements."

Copy seen: DLC.

8497. **KEITHAHN, EDWARD LINNAEUS, 1900-** . The husky is much the larger breed. (Alaska sportsman, Nov. 1943. v. 9, no. 11, p. 18-20, 23-24, illus.)

Discussion of breeds and strains of sledge dogs, with quotations from earlier literature on dogs of the Arctic.

Copy seen: DLC.

8498. **KEITHAHN, EDWARD LINNAEUS, 1900-** . Let's lease an island. (Alaska sportsman, June 1941. v. 7, no. 6, p. 14-15, 27-29, illus.)

General notes on the islands of Alaska, especially the Alexander Archipelago in Southeast Alaska, with mention of Aleutians, Pribilofs, St. Lawrence, Kodiak, and others. *Copy seen:* DLC.

8499. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. The petroglyphs of
southeastern Alaska. (American an-
tiquity, Oct. 1940. v. 6, p. 123-32, illus.,
plate)

Based on observations 1928-39, by a
worker of U. S. Office on Indian Affairs,
later teacher of native craft, at Wrang-
ell Institute, Wrangell, Alaska. A
study of inscriptions on boulders, etc.,
in the Tlingit territory, to show (1)
that "these petroglyphs originated from
(a) natural effects and (b) depressions
worn in rock in the process of tool-
making; (2) that they came to have a
definite and important religious func-
tion; and (3) that the Northwest Coast
decorative art had its origin in them."

Copy seen: DLC.

8500. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. Return of the raven.
(Alaska sportsman, Apr. 1940. v. 6, no.
4, p. 10-11, 22-23, illus.)

Story of the Seattle totem pole
"stolen" in 1899 from Metlakatla, by
"Goodwill Delegation" of Seattle, later
fined \$500 for the theft; and brief notes
on totems of Southeast Alaska.

Copy seen: DLC.

8501. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. The secret of the
petroglyphs. (Alaska sportsman, Mar.
1939. v. 5, no. 3, p. 8-9, 22-23, illus.)

Discussion of the antiquity, location
near salmon streams, and possible sig-
nificance of prehistoric carvings or
inscriptions upon rocks in Southeast
Alaska.

Copy seen: DLC.

8502. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. The story of the
Lincoln totem. (Alaska sportsman,
May 1943. v. 9, no. 5, p. 8-9, 23, illus.)

In discussing the Tlingit totem
erected to Abraham Lincoln's memory,
the author remarks on the caste sys-
tem characteristic of Southeast Alas-
kan Indian society in former times.

Copy seen: DLC.

8503. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. There's magic in the
Arctic. (Alaska sportsman, July 1942.
v. 8, no. 7, p. 12-13, 25-27, illus.)

Notes on the auroras, mirages, sun
halos, frost quakes, noises from frozen
sea and lake, and other phenomena.

Copy seen: DLC.

8504. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. A tribute to old man

raven. (Alaska sportsman, June 1937.
v. 3, no. 6, p. 8-9, 17, 19, illus.)

Detailed account of the acumen of
the Alaska raven, its habits and (in
less detail) its place in native myth-
ology.

Copy seen: DLC.

8505. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. When animals were
people. (Alaska sportsman, May 1940.
v. 6, no. 5, p. 18-20, 22, illus.)

Discussion of the art of Haida and
Tlingit Indians, and the primitive so-
cial organization, unwritten literature,
and religion as source of native art in
this culture area of Southeast Alaska.

Copy seen: DLC.

8506. KEITHAHN, EDWARD LIN-
NAEUS, 1900-. Willi Waw, the
Kodiak man. (Alaska sportsman, June
1948. v. 14, no. 6, p. 28-29, 36-37,
illus., map)

Discussion (in general terms) of a
skull unearthed at Kodiak in 1941, its
apparent antiquity and possibility of
its Pleistocene origin, with remarks on
early migrations across the Bering Sea
region.

Copy seen: DLC.

8507. KELL', N. G. Po povodu karty
rūzhnoi Kamchatki E. Gul'tena 1923
goda. (Vsesoiūznoe geograficheskoe ob-
shchestvo. Izvestiia, 1925. T. 57, vyp. 1,
p. 53-60) *Title tr.:* Remarks on E.
Hultén's map of southern Kamchatka.
1923.

Some criticism of the southern Kam-
chatka map, 1:1,000,000, discussed by
Eric Hultén in his *Some geographical
notes on the map of south Kamchatka*,
1923, q.v.

Copy seen: DLC.

KELL', N. G., *see also* Konradi, S. A.
& N. G. Kell'. Geologicheskii otdel
Kamchatskoi eksped., 1908-11. 1925.

8508. KELLEMS, HOMER FLINT.
We tried to solve an arctic mystery.
(Alaska sportsman, June 1940. v. 6, no.
6, p. 10-11, 32-35, illus.)

The story of a Point Barrow Eskimo
who claimed to have witnessed the fatal
plunge of the Levanevskii airplane, lost
on its flight from Moscow to San Fran-
cisco in Aug. 1937, and the futile
search made by the author's party in
Aug. 1938.

Copy seen: DLC.

KELLEMS, HOMER FLINT, *see also*
Alaska life. From west to east, new
Northwest Passage. 1939.

8509. KELLER, AL. A night in a volcano. (Alaska sportsman, Aug. 1949. v. 15, no. 8, p. 6-7, 24-28, illus.)

Account of driving a truck to the top of Mt. Tulik, Umnak Island, descending into its crater, and spending a night on its floor; with remarks on the surface and of earthquake movements felt during the night.

Copy seen: DLC.

8510. KELLER, BORIS ALEKSANDROVICH, 1874-1945. Glavnye tipy i osnovnye zakonomernosti v rastitel'nosti SSSR. (Akademiia nauk SSSR. Botanicheskii institut. Rastitel'nost' SSSR, 1938. T. 1, p. 133-81, illus.)

Title tr.: Principal types and essential natural laws of the vegetation of the U.S.S.R.

Contents tr.: Zones and zonal types: (1) tundra; (2) needle-leaved taiga; (3) summer-green hardwoods; (4) herbaceous steppe; (5) half-desert type of vegetation; (6) desert type of vegetation. Influence of rivers; influence of substrata; influence of topography. Some conclusions concerning zonal distribution; remarks on distribution of vegetation in eastern Siberia and the Far East; vegetation of the mountains; influence of man. Literature.

Copy seen: MH-A.

8511. KELLER, HERMANN A. The Copper River district, Alaska. (Engineering and mining journal, June 1908. v. 85, p. 123-78, illus., incl. sketch maps)

Description of accessibility, general geology of the copper ore occurrences, and the mines, in a twelve by fifty-mile area along the headwaters of the Kotsina, Kuskulana, Gilahina, Lakina, and Nizina Rivers, all tributary to the Copper River.

Copy seen: DGS.

8512. KELLOGG, ALBERT, 1813-1887. Botany. (In: Davidson, G. Report relative to the resources and the coast features of Alaska Territory. U. S. Coast and Geodetic Survey. Annual report, 1867, pub. 1869. Appendix no. 18, p. 318-24)

Descriptive remarks on the trees, berries, grasses, etc., observed at Sitka, Kodiak, and Unalaska, and a list, with locations of two hundred seventy plants collected in these (among other more southerly) localities.

Copy seen: DLC.

8513. KELLOGG, CHARLES EDWIN, 1902- , and I. J. NYGARD. Soils of Alaska. (In: U. S. Agricultural Research Administration. Report on exploratory investigations of agricultural problems of Alaska, 1949. p. 25-86, illus., 2 fold. maps)

Description of soil associations and agricultural development in (1) Tanana valley near Fairbanks, (2) lower Matanuska valley and Knik Arm, (3) Anchorage area, (4) Big Susitna area, (5) western Kenai Peninsula, (6) Copper River basin, (7) land along the Alaska Railroad, (8) Tanana-Yukon upland, (9) Circle and Circle Hot Springs, (10) Big Delta area (junction of Alaska and Richardson Highways), (11) Kodiak Island, (12) Aleutian Islands, (13) Fortymile area, and (14) Yukon River and Bethel areas. Discussion of permafrost in relation to soil use, important soil problems, including classification and mapping, tillage, crop rotations, drainage, irrigation, erosion, etc.; bibliography (26 items).

Copy seen: DA.

8514. KELLOGG, R. S. The forests of Alaska. Washington, U. S. Govt. Print. Off., 1910. 24 p. 9 plates (incl. fold. map) sketch map. (U. S. Forest Service. Bulletin 81)

Contains notes on the physical features, description of the coast and interior types and stands, remarks on fires.

Copy seen: DA.

8515. KELLOGG, REMINGTON, 1893- . What is known of the migrations of some of the whalebone whales. (Smithsonian Institution. Annual report, 1928, pub. 1929. p. 467-94, illus. (incl. maps) 2 plates)

Contains a review of information on the extent and causes of migration, and (in particular) on the movement of the humpback, bowhead, gray, blue, finback, and sei whales. Bibliography, p. 492-94.

Copy seen: DLC.

KELLOGG, REMINGTON, 1893- , see also Wynne-Edwards, V. C., & others. Biology (Program of investigations). 1946.

8516. KELLOGG, VERNON LYMAN, 1867-1937, and SHINKAI I. KUWANA. Mallophaga from Alaskan birds. (Academy of Natural Sciences, Philadelphia. Proceedings, 1900. v. 52, p. 151-59)

Based on collections made by the McIlhenny Expedition to Point Barrow, Alaska, 1897-1898, a list with North American occurrences and hosts, of nineteen (including with descriptions, five new) species of bird-lice.

Copy seen: DLC.

8517. KELLUM, LEWIS BURNETT, 1897- . Jurassic stratigraphy of Alaska and petroleum exploration in northwest America. (New York Academy of Sciences, Transactions, June 1945. Ser. 2, v. 7, p. 201-209, tables)

Contains discussion, and tables of stratigraphic succession, of the Cold Bay, Wide Bay (Alaska Peninsula), and the Iniskin-Chinitna Peninsula (Cook Inlet) as it relates to the possibility of petroleum occurrence elsewhere.

Copy seen: DLC.

KELLY, CLIFFORD DARTON, 1894- , *see* Pady, S. M., & *others*. Arctic aerobiology, II. 1948.

KELLY, CLIFFORD DARTON, 1894- , *see also* Polunin, N. V., & *others*. Arctic aerobiology. 1947.

KELLY, JOHN W., *see* Wells, R., & J. W. Kelly. English-Eskimo vocabularies & ethnography. 1890.

KELLY, LUTHER S., *see* Glenn, E. F. Trip to region of Tanana. 1900.

8518. KELLY, M. A. EARLE. Reindeer at Mackenzie. (National review (London), Feb. 1932. v. 98, p. 215-18)

Popular account of the history of reindeer in Alaska and of the trek (nearly completed as this article was written) of a herd from Alaska into the Mackenzie delta region.

Copy seen: DLC.

8519. KELLY, WILLIAM A. Lower Mackenzie region of northwestern Canada. (Michigan Academy of Science, Arts and Letters, Papers, 1929, *pub.* 1930. v. 12, p. 211-17, sketch map)

Based on observations made in summer 1923, between Fort Resolution and Fort Good Hope, a brief physiographic sketch of the river and its tributary river mouths.

Copy seen: DLC.

8520. KELITKANGAS, VALTER, and ALPO HARALA. Eräitä tietoja havaintoja Luttojoen eteläpuolisesta Petsamon alueen linnustosta. (Ornis Fennica, Dec. 1938. Arg. 15, p. 104-107) *Title*

tr.: Some notes on the avifauna in the region south of Luttojoki River in Petsamo.

Annotated list of over twenty birds observed in June 1938. Summary in German, p. 107. *Copy seen:* DSI-M.

KEMMERER, G. I., *see* Juday, C., & *others*. Limnological studies of Karluk Lake, Alaska. 1935.

8521. KEMP, V. A. M. Up North with the Royal Mounted. (Forest and outdoors, June and Aug. 1933. v. 29, p. 138-39, 149, 156, 211-12, 221-22, *illus.*)

Popular account of the activities, and territory of the Royal Canadian Mounted Police, by one of its officers.

Copy seen: DA.

KEMPLEY, LUCILLE, *see* McDonald, R. E., & L. Kempley. Giants of Newhalen. 1938.

8522. KENDALL, E. N. Observations on the velocity of sound at different temperatures. (*In:* Franklin, Sir J. Narrative of a second expedition, 1825-27, *pub.* 1828. Appendix 4, p. cxxiii-cxxviii, *incl. tables*)

Results for temperatures below the freezing point. Author deduces a retardation of transmission of sound: 1.167 feet for every degree (Fahrenheit) of decrease in temperature.

Copy seen: DLC; NNSef.

8523. KENDALL, WILLIAM CONVERSE, 1861- . The fishes of Labrador. (Portland Society of Natural History, Proceedings, 1909. v. 2, p. 207-43)

Based on a collection of the Bowdoin College Expedition to Labrador, 1891. Annotated list of twenty-five species of fishes from the Hamilton Inlet-Lake Melville region; a simple list, with records of occurrence, of seventy-three species known from Labrador; a chronological bibliography and list of collections.

Copy seen: DSI-M.

8524. KENDALL, WILLIAM CONVERSE, 1861- . Report on the fishes collected by Mr. Owen Bryant on a trip to Labrador in the summer of 1908. (U. S. National Museum, Proceedings, 1911. v. 38, p. 503-510, plate 30)

Annotated list of fourteen species, of which twelve were taken from waters off the coast of Labrador, including two species not previously reported from that region. *Copy seen:* DLC.

8525. KENNAN, GEORGE, 1845-1924. A dog-sledge journey in Kamchatka and north-eastern Siberia. (American Geographical Society, N. Y. Journal, 1876 (2d ed.) pub. 1890 v. 8, p. 96-130)

Based on the author's experiences as a member of the four-man exploring party sent out in 1865, by the Western Union Telegraph Co., in preparation for laying a telegraph line across Bering Strait.

Contains a description for the general reader, of the inhabitants, their customs, clothing, dwellings, etc.; the villages, and the physical features of the country from Petropavlovsk northward through Kamchatka to the Chukotsk Peninsula, where the party began work on the line. Includes considerable comment on traveling conditions during the overland sledge trips, on climate, the auroras and the behavior of the natives, during the party's two and a half years of camping and working in the region.

Copy seen: DLC.

8526. KENNAN, GEORGE, 1845-1924. Siberia—the exiles' abode. (American Geographical Society, N. Y. Journal, 1882. v. 14, p. 13-68)

Based on the author's observations while working for the Western Union Telegraph Co., 1865-67, and on statistics from publications of the Russian Geographical Society.

Contains a description (in brief) of the tundra in summer and winter, and a full discussion of the exile system in Russia, with closing remarks on the improbability of the *Jeannette* party's being able to stay alive through a winter season on the tundra. Much of this paper concerns regions of Siberia south of the 62°N. parallel.

Copy seen: DLC.

8527. KENNAN, GEORGE, 1845-1924. Tent life in Siberia, a new account of an old undertaking; adventures among the Koraks and other tribes in Kamchatka and northern Asia. New York and London, G. P. Putnam's Sons, 1910. xix, 482 p. front. (port.) plates, fold. maps.

Revised and enlarged edition, with parts of the text expanded from material not used in the 1870 edition, and with new illustrations including some based on photographs taken by Jochelson and Bogoraz on the Jesup

North Pacific Expedition, 1897-1902; also drawings of utensils, etc. This edition includes account of the author's sledge trip westward from Okhotsk via Yakutsk to Nizhni Novgorod.

Copy seen: DLC; NNS Stef.

8528. KENNAN, GEORGE, 1845-1924. Tent life in Siberia and adventures among the Koraks and other tribes in Kamchatka and northern Asia. New York, Putnam; London, S. Low, Son & Marston, 1870. ix, 425 p. fold. map. Reissued several times before 1910. Also published in Russian translation as: *Stepnaia zhizn' v Sibiri; stranstvovaniia mezhdur korakami i drugimi plemenami Kamchatki i sivernoi Azii*. Sanktpeterburg, Tip. M. Khana, 1871 (252, 2 p.); and in German translation as: *Sibirien!* Berlin, Cronbach, 1890 (ix, 267 p.). In these translations, the text is abridged to eliminate matter considered unessential, or of interest mainly to American readers.

Record of the author's experiences and observations in Kamchatka and the northwesterly neighboring region, 1865-67, while with the Siberian section of the Western Union Telegraph Co. expedition to survey a possible route for connecting the telegraph systems of North America and Europe via Alaska, Bering Strait and north-eastern Asia. Includes account of the journey from Petropavlovsk northward through Kamchatka Peninsula to Anadyrsk, a youthful traveler's impressions of the country traversed, the native and Russian population, the tribes of the Penzhina and Anadyr River regions; notes on Koryak customs, beliefs, language, living conditions and methods of travel, use of dogs and reindeer; the author's sledge trip from Anadyrsk to the Bering Sea coast and return; the survey party's life in Gizhiga and on the trail. Includes remarks on weather, travel facilities, prospects for success of the survey, news from home of abandonment of the project.

Copy seen: DLC (also Russian and German translations); NNS Stef.

8529. KENNEDY, GEORGE CLAYTON, 1919-. The nickel-copper deposits on the west coast of Chichagof Island, southeastern Alaska. Washington, 1944. 5 p. 7 maps (2 fold.), fold. diagr. (U. S. Geological Survey. Min-

eral deposits of Alaska. Short preliminary reports) Mimeographed.

Based on new information obtained by diamond drilling in 1942, and supplementary to W. T. Pecora, *Nickel-copper deposits*, [etc.], 1942.

Notes on concentrated-sulfide deposits on Fleming Island and near the head of Davidson Bay, on their origin and reserves, including (in brief) disseminated-sulfide deposits, in the area between 57°47'–48°N. 136°18'–20°W.

Copy seen: DGS.

8530. KENNEDY, GEORGE CLAYTON, 1919–, and M. S. WALTON. Geology and associated mineral deposits of some ultra-basic rock bodies in southeastern Alaska. Washington, U. S. Govt. Print. Off., 1946. iii, 65–84 p. illus. (3 sketch maps) 4 fold. maps. (U. S. Geological Survey. Bulletin 947–D. Mineral resources of Alaska, 1943 and 1944)

Detailed report on a war-minerals project of the U. S. Geological Survey, summer 1943, including description of geology and mineral deposits of (1) Lituya Bay—Mt. Crillon area, (2) central part and Red Bluff Bay, Baranof Island, (3) Blashke Islands, (4) Kane Peak, Kupreanof Island, and (5) Mt. Burnett and vicinity, Cleveland Peninsula.

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8531. KENNEDY, GEORGE CLAYTON, 1919–, and M. S. WALTON. The geology and nickel-copper deposits of Yakobi Island, southeastern Alaska. Washington, 1944. 16 p. 4 maps (3 fold.), 3 fold. diagrs. (U. S. Geological Survey, Mineral deposits of Alaska Short preliminary reports) Mimeographed.

Notes on the geology of the island and of Bohemia Basin, where the deposits occur; description of general features, mineralogy, structure and origin of the deposits, the sulfide-bearing bodies and the reserves. Based on drilling tests by the U. S. Bureau of Mines, 1941–42, and magnetic survey of the U. S. Geological Survey, 1943 at about 58°N. 136°W.

Copy seen: DGS.

8532. KENNEDY, GEORGE CLAYTON, 1919–, and M. S. WALTON. Nickel investigations in southeastern Alaska. Washington, U. S. Govt. Print. Off., 1946. iv, 39–64 p. illus. (4 sketch maps), 10 plates (incl. 7 maps).

(U. S. Geological Survey. Bulletin 947–C. Mineral resources of Alaska, 1943 and 1944)

Notes on geography and field work, 1942–43, description of geology, mineralogy, and structure, notes on origin of nickel-copper deposits; description of the sulfide-bearing bodies and of the reserves on (1) Yakobi Island, (2) west coast of Chichagof Island, and (3) a prospect near Sitka, Baranof Island.

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8533. KENNEDY, GEORGE CLAYTON, 1919–, and M. S. WALTON. The ultrabasic rocks of the Blashke Islands, Kane Peak, and Mt. Burnett, southeastern Alaska. Washington, 1944. 8 p. 4 maps (2 fold.) (U. S. Geological Survey. Mineral deposits of Alaska. Short preliminary reports) Mimeographed.

Petrologic and mineralogic notes on the three localities (Blashke Islands, about 56°10'N. 133°W., Kane Peak on Kupreanof Island, about 57°N. 133°W., and Mt. Burnett on Cleveland Peninsula, about 55°45'N. 132°W.) investigated in the summer 1943, for nickel, chromium and platinum; with remarks that no deposits of value were found.

Copy seen: DGS.

KENNEDY, GEORGE CLAYTON, 1919–, *see also* Walton, M. S., & G. C. Kennedy. Chromite & nickel Baranof Island. 1944.

8534. KENNEDY, KAY J. Sourdough artist. (Alaska life, Nov. 1939. v. 2, no. 7, p. 5, 24, illus.)

Biographical notes on T. R. Lambert, painter of Alaskan landscapes, native life, and natural history.

Copy seen: DLC.

8535. KENNEDY, KAY J. Sourdough sky skippers. (Alaska life, Aug. 1939. v. 2, no. 4, p. 4–5, 17, 26, illus.)

Account of the many uses of air transport in Alaska and its rapid development.

Copy seen: DLC.

8536. KENNEDY, KAY J. Twelve brown bear men. (Alaska sportsman. Jan. 1940. v. 6, no. 1, p. 16–18, 20–21, illus.)

Notes on members of the Alaska Game Commission and its work since 1925.

Copy seen: DLC.

5537. KENNEDY, W. A. Some observations on the coregonine fish of Great Bear Lake, N.W.T. Ottawa, 1949. 10 p. (Canada. Fisheries Research Board. Bulletin no. 82)

Notes on distribution, availability, rates of growth, size at maturity, and stomach analyses of three species (whitefish, cisco, and round whitefish), from observations during the North West Canadian Fisheries Surveys, 1945.

Copy seen: DSI-M.

5538. KENNEDY, WILLIAM, 1813-1890. Report on the return of Lady Franklin's vessel the *Prince Albert*, under the command of Mr. Wm. Kennedy, from the arctic regions. (Royal Geographical Society. Journal, 1853. v. 23, p. 122-28, fold. map)

Contains an account of the Franklin Search ship, *Prince Albert*, which made way through the ice of Prince Regent Inlet, to Batty Bay, Somerset Island, its winter headquarters, 1851-52. Notes the foot-journey south to Brentford Bay, the discovery and penetration of Bellot Strait, the crossing of Franklin Strait and Prince of Wales Island, thence north to Cape Walker on Barrow Strait; the return to the ship around the north end of Somerset Island.

Copy seen: DLC.

5539. KENNEDY, WILLIAM, 1813-1890. A short narrative of the second voyage of the *Prince Albert*, in search of Sir John Franklin. London, W. H. Dalton, 1853. xiii, [1], xxv, [27]-202 p. 4 plates, fold. map.

The author in command of the *Prince Albert*, sailed from England to the Barrow Strait region, explored Prince Regent Inlet and Prince of Wales Island, 1851-52. His narrative of the expedition includes description of ice conditions in the straits, sledging conditions, the country explored, rations, frostbite, and the weather; also a (four-times) daily journal of temperature, wind and weather notes, July 1, 1851-Apr. 26, 1852.

Copy seen: DLC; NNStef.

KENNEDY, WILLIAM, 1813-1890, *see also* Bellot, J. R. *Journal d'un voyage* 1851-52. 1854.

KENNEDY, WILLIAM, 1813-1890, *see also* Bellot, J. R. *Journal d'un voyage* 1851-52. 3d éd. 1875.

KENNEDY, WILLIAM, 1813-1890, *see also* Bellot, J. R. *Memoirs of Lt. J. R. Bellot*. 1855.

KENNICOTT, ROBERT, 1835-1866, *see* Chicago Academy of Sciences. Robert Kennicott. 1869.

KENNICOTT, ROBERT, 1835-1866, *see also* Meek, F. B. *Remarks on geol. Mackenzie River & fossils*. 1867.

8540. KENT, R. K. *Vanishing igloos*. (Alaska life, Aug. 1949. v. 12, no. 4, p. 9)

Note on dwellings of present-day Eskimos, and their desire for modernized white man's living conditions.

Copy seen: DLC.

8541. KENT, ROCKWELL, 1882- . N by E. New York, Literary Guild, 1930. xi, 281 p., 1 l. incl. front., illus., plates.

Account of this artist's voyage to Greenland in 1929 with Arthur S. Allen, Jr., and another American, in the sailboat *Direction*, and his sojourn for several months in the Godthaab region after the wreck of the vessel; with descriptions of, and reflections on the West Greenlanders, their country and behavior. Includes songs (verses) of the Eskimos. The text throughout is supplemented by numerous illustrations based on Kent's work in West Greenland, also some earlier engravings.

Copy seen: DLC; NNStef.

8542. KENT, ROCKWELL, 1882- . *Salamina*. New York, Harcourt, Brace & Co., 1935. 3 p. l., ix-xix, 336 p., 1 l. front. illus., plates, ports, double map.

Stories and illustrations of the author's life and friends among Eskimos of West Greenland, during his sojourn near Umanak, 1931-35.

Copy seen: DLC; NNStef.

8543. KENT, ROCKWELL, 1882- . *Wilderness; a journal of quiet adventure in Alaska*, by Rockwell Kent; with drawings by the author and an introduction by Dorothy Canfield. New York and London, G. P. Putnam's Sons, 1920. xvii, 217 p. incl. illus., 42 plates. Also published in small format in New York by Cerf & Klopfer, The Modern Library, 1930.

Journal and drawings made during the artist's sojourn with his young son, at Fox Island, Resurrection Bay,

Kenai Peninsula, Alaska, Sept. 1918-Mar. 1919.

Copy seen: DLC; NNSTef.

KENYON, KARL WALTON, 1918- , see Sanford, F. B., & others. Vitamin A in liver Alaska fur seal. 1949.

KEPHART, HORACE, 1862-1931, see Kane, E. K. Adrift in arctic ice pack. 1915.

KERÄNEN, JAAKKO, 1883- , see Finland. Meteorologinen Keskuslaitos. Magnet. survey for epoch 1915. 5. 1924.

KERÄNEN, JAAKKO, 1883- , see also Finland. Meteorologinen Keskuslaitos. Results magnet. observ. 1911-23. 1917-25.

KERÄNEN, JAAKKO, 1883- , see also Finland. Meteorologinen Keskuslaitos. Suomen magneet. Kartet 1930. 1933.

KERÄNEN, JAAKKO, 1883- , see also Suomalainen tiedeakatemia. Sodankylä observatorium. Ergebnisse d. magnet. Beob. 1914-39. 1921-47.

8544. KERBERT, COENRAAD. Zoologische bijdragen tot de kennis der Karazee. (Nederlandsche Pool-Expeditie, 1882-83.) III. Report on the fishes. (Bijdragen tot de dierkunde, 1887. Afl. 14, p. 51-60) *Title tr.:* Zoological contributions to knowledge of Kara Sea. (Netherlands Polar Expedition, 1882-83.) III.

Results of the Netherlands First International Polar Year investigations, in southern Kara Sea. List, with synonyms, descriptions, localities, distribution and bathymetric limits of six species of fishes.

Copy seen: DSI-M.

8545. KERNER, FRITZ. Das akryogene Seeklima und seine Bedeutung für die geologischen Probleme der Arktis. (Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Sitzungsberichte, 1922. Abt. 1, Bd. 131, p. 153-85) *Title tr.:* Oceanic temperatures not derived from ice effects and their significance for geologic problems of the Arctic.

A mathematical, theoretical discussion of ocean temperature as a factor necessary to an understanding of paleoclimatic problems.

Copy seen: DLC.

8546. KERNER, FRITZ. Der heutige Stand des Problems der milden Polar-kimate der Vorzeit. (Meteorologische Zeitschrift, Mai 1932. Bd. 49, p. 186-91) *Title tr.:* The present situation in connection with the problems of the mild polar climate of ancient times. Review of various scientists' views (especially those of Alfred Wegener).

Copy seen: DA.

8547. KERNER, FRITZ. Klimatologische Betrachtung der eiszeitlichen Vergletscherung Jakutiens. (Meteorologische Zeitschrift, Aug. 1936, Bd. 53, p. 307-309) *Title tr.:* The climatological consideration of the glacial epoch in Yakutia.

Copy seen: DWE.

8548. KERNER, FRITZ. Neue Gesichtspunkte betreffend das Problem der fossilen arktischen Floren. (Zoologisch-botanische Gesellschaft, Wien. Verhandlung, 1922, pub. 1923. Bd. 72, p. 147-51) *Title tr.:* New viewpoints concerning the problem of fossil arctic flora.

Discussion of conditions of plant growth in the Arctic today, including light, temperature, etc., and its relation to the study of paleoclimate.

Copy seen: DSI-M.

8549. KERNER, FRITZ. Die Polverschiebungen als Teil von A. Wegener's Hypothese im Lichte des geologischen Zeitbegriffs. (Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Sitzungsberichte, 1922. Abt. 1, Bd. 131, p. 1-5) *Title tr.:* The shifting of the North Pole as part of the Wegener theory, in light of a geologic conception of time.

Copy seen: DLC.

8550. KERR, FORREST ALEXANDER, 1896-1938. The character of the Coast Range composite batholith in northern British Columbia and southeastern Alaska. (Royal Society of Canada. Transactions, 1932. Ser. 3, v. 26, sec. 4, p. 305-316)

Petrologic study of the igneous rocks of the Coast Range zone, through which runs the Alaska-British Columbia boundary. References to the geology of the Alaskan areas were drawn from A. F. Buddington and T. Chapin. *The geology and mineral resources of southeastern Alaska*, 1929, q.v.

Copy seen: DLC.

8551. KERR, FORREST ALEXANDER, 1896-1938. Ice fields of Western Canada. (Canadian geographical journal, Nov. 1933. v. 7, p. 234-46, illus., sketch map)

A general description and discussion of the present-day occurrence of glaciers in the St. Elias Range and Coast Range of Canada; with reproductions of photographs illustrating forms of fields.

Copy seen: DLC.

8552. KERR, FORREST ALEXANDER, 1896-1938. Nahanni-Francis River district. (Canadian mining journal, Mar. 1934. v. 55, p. 107-111, sketch map)

Notes on the physical geography, geology, placer deposits, and accessibility of that part of Yukon and Mackenzie District lying between the South Nahanni and Francis Rivers.

Copy seen: DGS.

KERR, MARK B., *see* Russell, I. C. Exped. to Mt. St. Elias (1890). 1891.

8553. KERR, PAUL FRANCES, 1897-. A magmatic sulphide ore from Chicagof Island, Alaska. (Economic geology, June-July 1924. v. 19, p. 369-76, illus.)

Mineralogical study of ore from the west side of Chicagof Island in southeastern Alaska, with remarks on its origin.

Copy seen: DGS.

8554. KERSHNER, HAYDEN. Birds, wires and destiny. (Alaska life, June 1946. v. 9, no. 6, p. 20-21)

Tribute to Robert Kennicott and his natural history studies during exploration of northern Canada and Alaska, 1859-66.

Copy seen: DLC.

8555. KERSNOVSKII, I. A. O napravlenii i sil'e v'etra v rossiiskoi imperii. St.-Petersbourg, 1895. 2 p. l., 113 p. (incl. 8 p. of tables), 135 p., tables. (Akademiia nauk SSSR. Mémoires. Sér. 8, vol. 2, no. 4) *Title tr.:* On the direction and force of winds in the Russian Empire.

Monthly and seasonal summaries and frequencies of wind directions and speeds for 196 Russian Empire stations have been tabulated and investigated. Of these eight are located within the arctic sector of Russia.

Copy seen: DLC.

KERSTEN, MILES S., *see* U. S. Army. Corps of Engineers. St. Paul District.

Final report thermal properties soils. 1949.

8556. KERSTING, RUDOLF, 1856- , editor. The white world; life and adventures within the Arctic Circle portrayed by famous living explorers; collected and arranged for the Arctic Club by Rudolf Kersting. New York, Lewis, Scribner & Co., 1902. 386 p. incl. illus., 27 plates, ports. front.

Reminiscences and impressions of twenty-two explorers. Includes a chapter on Polar Eskimos' music, by Dr. Robert Stein.

Copy seen: DLC; NNStef.

8557. KERTSELLI, S. V. Dal'ne-Vostochnyi morskoi transport i mery uluchsheniia ego raboty. (Sovetskii Sever, 1931, no. 1, p. 97-103) *Title tr.:* Far Eastern sea transport and measures for its improvement.

Difficulties in navigation in Bering Sea noted by the author, with recommendations for location of signals, beacons, and for making soundings, etc.

Copy seen: DLC.

8558. KERTSELLI, S. V. Geograficheskie zagadki Kamchatsko-Anadyrskogo kraia. (Sovetskii Sever, 1931, no. 5, p. 106-109) *Title tr.:* Geographical puzzles of the Kamchatka-Anadyr' region.

On discrepancies of opinion on the extent of Parapol'skiy Dol, an extensive low-lying tundra at the northern end of Kamchatka Peninsula (about 61°-63°N. 164°-169°E.) and on the source of the Anadyr' River.

Copy seen: DLC.

8559. KERTSELLI, S. V. K Voprosu o postroike perenosnykh korralei. (Sovetskii Sever, 1932. T. 3, no. 4, p. 69-72, illus.) *Title tr.:* On the construction of portable reindeer corrals.

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8560. KERTSELLI, S. V. K voprosu ob Anadyrsko-Kamchatskom ezdovom sobakovodstve. (Sovetskii Sever, 1931, no. 7-8, p. 189-202) *Title tr.:* The breeding of travel dogs in the Anadyr and Kamchatka district.

Discussion of problems in connection with sledge dogs, based on data from the U.S.S.R. polar regions census of 1926-27, and the author's own observations of economic conditions in the Anadyr region in 1929-30. Includes

comment on regulating methods of feeding dogs and substituting reindeer for dogs on state collectives.

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8561. KERTSELLI, S. V. Materialy k izucheniiu olenevodstva. Petrograd, 1921. 20 p. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 13) *Title tr.:* Materials for the study of reindeer breeding.

Attempt at classification of reindeer breeding according to economic conditions and mode of life of native peoples in the Soviet North (e.g., reindeer breeding of nomadic and of settled groups, of hunting tribes, as means of transportation, etc.); based on the author's observation in the Archangel region and Kamchatka and on the literature. Notes need for scientific methods in solving of problems of fodder, pastures, cross-breeding, diseases, etc.

Copy seen: NN.

8562. KERTSELLI, S. V. Olenevodstvo RSFSR. (*In:* Sovetskii Sever; pervyi sbornik statei, 1929. p. 111-133, illus.) *Title tr.:* Reindeer husbandry in the R.S.F.S.R.

Historical outline of reindeer husbandry in the U.S.S.R., causes of decrease in reindeer population in recent decades; measures suggested for improvement.

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8563. KETCHUM, WILLIAM Q. The fate of Sir John Franklin. (Canadian geographical journal, Dec. 1945. v. 31, p. 300-303, illus., port.)

Written on the occasion of the Franklin centenary, by one who visited the expedition's old camp and the cenotaph on Beechey Island, 1927.

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8564. KETCHUM, WILLIAM Q. Science in the shadow of the Pole. (Canadian geographical journal, Mar. 1938. v. 16, p. 138-41, illus., port.)

Remarks in appreciation of the work of Dr. Morten P. Porsild, who established the Danish Arctic Station at Godhavn, Disko, West Greenland, in 1906, and directed its work till his retirement about the time this article was written.

Copy seen: DLC.

8565. KEVORK'YAN, A. A. O lechenii otmorozhenii. (Predvaritel'noe soobshchenie). (Voenno-sanitarnoe delo, 1941, vyp. 11, p. 57-58) *Title tr.:* On

the treatment of frostbite. Preliminary report.

Report of cases on a military hospital train which afforded a 12-13 day period of observation, and on which menthol preparation was used in treatment of 2d and 3d degree frostbite with better results than medicaments used prior to World War II.

English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 72-73. (Copy in DLC).

Copy seen: DSG.

KEYES, MARY G., *see* Washington, H. S., & M. G. Keyes. Rocks Pribilof Islands. 1930.

8566. KEYSERLING, ALEXANDER, Graf von, 1815-1891. Beschreibung einiger von Dr. A. Th. v. Middendorff mitgebrachten Ceratiten des arktischen Sibiriens. (Akademiia nauk SSSR. Bulletin, 1847. Sér. 2, t. 5, p. 161-74, 3 plates) *Title tr.:* Description of some *Ceratites* collected by A. T. Middendorff in arctic Siberia.

Discussion of the paleontologic significance of the fossil molluscs collected on the Olenek River, and their further arctic distribution; and description of four new species. Full report on the fossils from the Middendorff Expedition, 1843-44, appears as the author's, *Fossile Mollusken*, 1848, q.v.

Copy seen: DLC.

8567. KEYSERLING, ALEXANDER, Graf von, 1815-1891. Fossile Mollusken. (*In:* Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 1, Theil 1, pub. 1847. p. 239-58, 6 plates) *Title tr.:* Fossil molluscs.

Based on A. T. v. Middendorff's collections from *Ceratites* and Jurassic formations of the Olenek River region (Yakutia) Jurassic and Post-Pliocene of the Taymyr River, and transition corals from Boganida River (Khatanga River system). Contains descriptions of eight new species of fossil molluscs, and mention of twenty-six additional species, with discussion of their correlation with other arctic and European species.

Copy seen: DSI-M.

8568. KHABAKOV, A. V. Poliarnoual'skaia geologicheskaiia ekspeditsiia 1937 goda. (Problemy Arktiki, 1938, no. 2, p. 179-82, illus.) *Title tr.:* Polar

Urals Geological Expedition, 1937.
. A short report on the work of the expedition, by the leader of its northern party.
Copy seen: DLC.

8569. KHALET'SKAYA, F. M. O vliyanii obshchego okhlazhdeniia na razvitiie gnoinoi infektsii v legkikh u krolika. (Arkhiv biologicheskikh nauk, 1940. T. 60, vyp. 3, p. 3-14, illus.) *Title tr.:* On the influence of general cooling on the development of purulent infection in the lungs of the rabbit.

Detailed report (in medical terms) on laboratory controlled experiments; and a bibliography (43 items). Summary in English.

English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 94-106. (Copy in DLC).

Copy seen: DSG.

KHALET'SKAYA, F. M., *see also* Levin, A. I., & F. M. Khalet'skaya. K voprosu o patogeneze otmorozhenii. 1940.

8570. KHANDROSS, L. M. Tantar' na Severe. (Sovetskaya Arktika, 1937, no. 9, p. 98) *Title tr.:* Amber in the North.

Brief review of data from literature on amber occurrences in the Soviet North.

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8571. KHANDROSS, L. M. Ispol'zovanie lishainikov i mkhov na Severe. (Sovetskaya Arktika, 1937, no. 12, p. 54, illus.) *Title tr.:* Utilization of lichens and mosses in the North.

Urges industrial use of lichens and mosses in distilleries, glucose manufacture, pharmaceutical products, etc.

Copy seen: DLC.

8572. KHANEVSKII, V. Obshchaya sistema vetrov mezhdru ekvatorom i 70° S. Sh. (Zhurnal geofiziki i meteorologii, 1924. T. 1, no. 2, p. 137-56, diags.) *Title tr.:* General system of winds between the Equator and 70°N.

The wind system in the secondary circulation between the Equator and 70°N. Lat. is described. Summary in German.

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8573. KHANOV, A. I. Desiat' let Sovetskoi poliarnoi aviatsii. (Sovetskaya Arktika, 1936, no. 2, p. 89-97, illus., maps) *Title tr.:* Ten years of Soviet arctic aerial navigation.

Review of the main flights by Soviet pilots, 1924-34. Maps show routes of

Chukhnovsky's and Babushkin's flights in 1924 and 1928, respectively.

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8574. KHARCHENKO, F. P. Fedorova tundra. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1935. Seriya kol'skaya, vyp. 9: Materialy po petrografii i geokhimii Kol'skogo poluoostrova, chast' 6, p. 81-96, fold. map) *Title tr.:* Fedorov Tundra [Kola Peninsula].

A petrographic description of rocks in this region (about 67°30'N. 34°55'E.); some results of analyses made at the Petrographic Institute of the Academy of Sciences U.S.S.R. and a petrographic map.

Copy seen: DLC.

KHARIN, P. S., *see* Lukashevskii, V. A., & P. S. Kharin. Svoistva olen'ei shersti-lin'ki. 1934.

8575. KHARITONOV, I. V. Nekotorye voprosy arkticheskogo sudostroeniia. (In: Duplitsii, D. S., and G. E. Ratmanov, editors. Nauchnye raboty ekspeditsii na ledokole "Krasin". v 1935 godu, 1936, p. 170-78) *Title tr.:* Some problems of arctic ship construction.

Discussion of the qualities needed in ice-breakers to be used in conditions of the Russian arctic seas, based on observations made on the *Krasin* in Chukchi Sea, 1935. *Copy seen:* DLC.

8576. KHARITONOVA, M. Ostrov Russkii. (Sovetskaya Arktika, 1940, no. 3, p. 48-52, illus., text map) *Title tr.:* Russkii Island.

Contains chiefly description of life and work at the polar station on Russkii Island (77°05'N. 96°E. in Kara Sea), 1937-39, but includes some popular information on geography, climate, flora and fauna of this island.

Copy seen: MH-L.

8577. KHARITONOVICH, B. G. Na ostrove Domashnem. (Sovetskaya Arktika, 1940, no. 8, p. 60-66, illus.) *Title tr.:* On Domashniy Island.

Account of two winterings at the Domashniy Island polar station (79°29'9"N. 91°07'9"E.), 1938-1940.

Copy seen: DLC.

KHARITONOVICH, B. G., *see also* Aleksandrov, S. V., & B. G. Kharitonovich. Ovoshchevodstvo na Diksone. 1937.

8578. KHARKEVICH, D. S. Loewinson-Lessing Volcano. (Academy of Sci-

ences of the U.S.S.R. Kamchatka Volcanological Station, Bulletin 1937. No. 2, p. 3-6, plate) English edition of his *Vulkan Levinson-Lessinga*.

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8579. KHARKEVICH, D. S. Vulkan Levinson-Lessinga. (Akademiia nauk SSSR. Kamchatskaia vulkanologicheskaiia stantsiia. Bülleten', 1937. No. 2, p. 3-7, plate) *Title tr.:* Loewinson-Lessing Volcano.

Some data on a newly discovered extinct volcano on Kamchatka Peninsula (55°3'N. 157°50'E.) with short petrologic description of its formations. Published also in English with title as above.

Copy seen: DLC.

8580. KHARUZIN, NIKOLAI NIKOLAEVICH, 1865-1900. Istoriia razvitiia zhilishcha u kochevykh i polukochevykh türkskikh i mongol'skikh narodnostei Rossii. (Étnograficheskoe obozrénie, 1896, v. 8, no. 1, p. 1-53, illus.; no. 2-3, p. 1-71, illus.) *Title tr.:* History of the development of dwellings among the nomadic and seminomadic Turkic and Mongol tribes of Russia.

Contains comparative material on the type of dwellings used by the Turkic and Mongol groups of Russia, including (in pt. 1) data on the easily transportable conical hut of the Yakuts and Dolgans, and (in pt. 2) the permanent type of dwellings.

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8581. KHARUZIN, NIKOLAI NIKOLAEVICH, 1865-1900. Iuridicheskie obychai iakutov. (Étnograficheskoe obozrénie, 1898, v. 10, no. 2, p. 37-64) *Title tr.:* Law customs of the Yakuts.

Contains information (collected by N. P. Pripuzov by means of a questionnaire and put in its present form by the author) on the social organization (mother clan and father clan and their functions) of the Yakuts, marriage and position of women, bride price, wills and inheritance, selection of mates, treatment of orphans, also concepts and usages in connection with gifts, debts, etc.

Copy seen: NN.

8582. KHARUZIN, NIKOLAI NIKOLAEVICH, 1865-1900. "Medvëzh'ia prisiûga" i totemicheskiia osnovy kul'ta medvëdiu u ostiakov i vogulov. (Étnograficheskoe obozrénie, 1898, v. 10, no. 3, p. 1-36; no. 4, p. 1-37) *Title tr.:*

The "bear oath" and the totemic bases of the bear cult among the Ostyaks and Voguls.

Contains comparative data on the practice of the "bear oath" and its implication as a legal device among the Voguls and Ostyaks. Supplementary material deals with the bear cult, special forms of address used, methods of killing and treatment of the various parts of the animal, the bear festival and its role in shamanism, and totemic character of veneration.

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8583. KHARUZIN, NIKOLAI NIKOLAEVICH, 1865-1900. O noidakh u drevnikh i sovremennykh lopareï. (Étnograficheskoe obozrénie, 1889, v. 1, no. 1, p. 36-76) *Title tr.:* Notes on shamans among the ancient and contemporary Lapps.

Contains historical data on the Russian Lapps, their ancient shamanistic practices, the fame of the ancient Lapps and their powerful magicians, material on their cosmogony, selection of shamans, use of his paraphernalia for curing, fortune telling, etc., also comparative data on the religion of the modern Russian Lapps.

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8584. KHARUZIN, NIKOLAI NIKOLAEVICH, 1865-1900. Ocherk istorii razvitiia zhilishcha u finnov. (Étnograficheskoe obozrénie, 1895, v. 7, no. 1, p. 37-78, 3 plates; no. 2, p. 50-104, 3 plates) *Title tr.:* Notes on the development of dwellings among the Finnic groups.

A comparative study. Part 1 deals with conical huts, earth huts, and roughly hewn log cabins of various groups and including the Lapps, Zyryans, Ostyaks and Voguls. Part 2 traces the development of the log cabin and the hearth, and the influences of Turks, Russian and Germanic types of the dwellings of the Finnic groups.

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8585. KHARUZINA, VERA N. K vo-prosu o pochitanii ognia. (Étnograficheskoe obozrénie, 1906, no. 3-4, p. 68-205) *Title tr.:* On the question of fire worship.

Contains a comparative study of fire worship among various groups including the Chukchis, Gilyaks, Kamchadals, Ostyaks, Yakuts, and Yukaghirs, and scattered information on their religious

beliefs and customs. A detailed program for gathering similar data is added.

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8586. KHARUZINA, VERA N. Ob uchastii detei v religiozno-obrâdovoi zhizni. (Etnograficheskoe obozrénie, 1911, no. 1-2, p. 1-78) *Title tr.:* On the participation of children in the religious-ceremonial life.

Contains a comparative study of the participation of children in religious ceremonies, with examples from the various groups, including material on the Aleut ceremony to insure an abundance of game, the Kamchadal "purification" ceremony, and "sending away" of the whale, the Gilyak bear festival, and the participation of children in shamanism among the Siberians.

Copy seen: NN.

8587. KHASKELEVICH, M. G., and V. I. VASIL'KOVAN. Nekotorye novye meropriyatiâ v lechenii otmorozhenii (Vrachebnoe delo, 1941. God 23, column 95-102) *Title tr.:* Some new measures in the treatment of frostbite.

Detailed medical discussion of effects and treatment of frostbite, showing differences of opinion among Soviet medical authorities on the subject. English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 26-32. (Copy in DLC).

Copy seen: DSG.

8588. KHATSIALOV, E. S. Rechnoi flot Glavsevmorputi v navigatsiû 1936 goda. (Sovetskaiâ Arktika, 1936, no. 12, p. 83-86, table) *Title tr.:* The river fleet of the Main Administration of the Northern Sea Route in the navigation season 1936.

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8589. KHATSIALOV, E. S., and D. KONT'SKII. Rechnoe i kabotazhnoe sudostroenie. (Sovetskaiâ Arktika, 1935, no. 4, p. 63-66, diagrs.) *Title tr.:* River and coastwise ship building.

Discussion of the unsatisfactory work in shipyards of the Northern Sea Route, due to the work's seasonal character, indicated for 1934-35, in diagrams.

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8590. KHAT'SEVICH, A. Postanovlenie Prezidiuma TSIK Soûza SSR ot 7 marta 1937 goda. (Sovetskaiâ Arktika 1937, no. 6, p. 109-110) *Title tr.:* Decision of the Presidium of the Cen-

tral Executive Committee of the U.S.S.R. of March 7, 1937.

Decision approved thirteen alphabets on the basis of the Russian alphabet, for aborigines of the Soviet North.

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8591. KHAZANOVICH, A. Sredi Nganasan. (Sovetskaiâ Arktika, 1939, no. 8, p. 66-79, illus.) *Title tr.:* Among the Nganasans.

Account of the author's experience over a three-year period doing educational and social hygiene work among this Samoyed group, which ranges over the Khatanga and Avam tundras of the Taymyr National District.

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8592. KHAZANOVICH, K. K. Geologicheskii ocherk i poleznye iskopaemye severo-zapadnoi chasti Lovozerskikh tundur (Lufâvr-Urta). (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1936. T. 65, vyp. 1, p. 70-95, illus.) *Title tr.:* Geological essay and useful minerals of northwestern part of Lovozero-tundra (Lujavr-Urt).

Contains orographic and geological sketch of northwestern part of Lovozero massif (central Kola Peninsula), and data on petrology of the region; based on works of A. E. Fersman, B. M. Kuplet'skii, O. A. Vorob'eva and other Russian explorers; useful minerals include eudialite and loparite containing rare earths, tantal, niobium and zirconium. Summary in English.

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8593. Khibinskii Apatity. Leningrad, Goskhimtekhnizdat, 1931-34. T. 2-5, 7. illus., tables, maps (incl. fold.) diagrs. *Title tr.:* Khibina apatite.

A series of volumes containing papers on theoretical and practical aspects of apatite-nepheline and related minerals. The series was edited by A. E. Fersman and published under the auspices of the All-Union Chemical Industry Association and later by the Apatite Northern Mining and Chemical Trust. Of the seven volumes presumably published 1931-34, five are analyzed here. In the introduction to v. 7, the editor states that this series will be continued with volumes on Moncha Tundra and Trans-Imandra regions.

Of the 133 papers in the five volumes available, eighty-seven, relating direct-

ly to the Khibina region of Kola Peninsula, are listed here and described in detail under their respective authors' names in this Bibliography; the forty-six other papers on technical problems and industrial utilization of apatite, nepheline etc., not particularly connected with northern regions, are not specifically indicated here.

Contents tr. include: Tom 2. Khibina apatite. 453 p. pub. 1932:

KONDRIKOV, V. I. Present state and development of construction in the Khibina mining region.

SOLOV'YANOV, G. N. Main premises of the development of Khibina industrial construction.

VOL'FKOVICH, S., and others. Processing of Khibina apatite into fertilizers.

CHISTIAKOV, A. I. Development and organization of apatite mining.

BRAND, V. I., and G. F. SMIRNOV. A project for a plant for Khibina apatite concentration, testing the project, and consultations in America.

VORONTSOV, N. N. Construction in Khibina region.

MUNTS, O. P. Khibinogorsk City and its planning.

TIKHOMIROV, A. I. Work conditions in various branches of transportation in Khibina.

IL'IN, A. M. Construction of a branch line from Murmansk railroad to the Khibina mines.

KOBOZEV, P. A. Historical course and main stages of colonization of Kola Peninsula.

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Contains description of a "kotel" (cave) in the cliff, near Teriberka, the walls of which are highly polished as if by the long-continued agency of water, although sea level is considerably below the cave. The inference is drawn that the northern coast of Kola Peninsula has been rising, apparently for a long time. *Copy seen:* CU.

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A study and discussion of the drift of the ice-breaker *Chelĭuskin* and of Camp Shmidt built on an ice floe of Chukchi Sea, 1933-34. Summary in English. *Copy seen:* DLC.

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Description of scientific work, 1933-34, on board the *Chelĭuskin* and at Camp Shmidt on the ice floe in Chukchi Sea, by the hydrologist of the expedition. Includes data on ice conditions, temperature-salinity rĕgime, alkalinity, currents, results of soundings, etc., in the Kara, Laptev, East Siberian and Chukchi Seas. *Copy seen:* DLC.

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Report by the leader of the Yana Hydrological party of the Yakutia Expedition, 1927-29, with a map showing routes followed.

Contents: 1. Morphology and hydrography of Yana River basin.

2. Climatic factors and permafrost (based on rĕgime of meteorological elements at Verkhoyansk and Kazache prior to 1929, and on observations of permafrost depths, soil thaw and freeze there in summer and autumn of 1927).

3. Water level of the river.

4. Water discharge of unfrozen river.

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7. Water discharge of the frozen river.

8. Opening and freezing.

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General description of marine erosion and the destruction by the sea of certain islands in Laptev Sea and of sections of the coast of the Yakut A.S.S.R. Summary in English.

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zapadnoi chasti Vostochnosibirskogo moriâ s 1878 po 1935 gg. Leningrad, Izd-vo Glavsevmorputi, 1937. 180 p., illus., maps. *Title tr.*: A description of voyages in Laptev and the western part of East Siberian Seas, 1878-1935.

A history of voyages based partly on unpublished source material held by individuals or deposited in archives; bibliography, p. 179-80.

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Description of this party of the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925-1926, and its geomorphological observations made in the basin of lower Lena River, Yakut A.S.S.R.

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8602. KHZMYZNIKOV, PAVEL KONSTANTINOVICH, 1896-. Predvaritel'nyi otchet o rabote Ianskogo gidrologicheskogo otriada Iakutskoi ekspeditzii 1927-1929 godov i voprosy sudokhodstva po reke Iane. Leningrad, 1930. 3 p. l., 48 p., 5 plates, fold. map, fold. diagrs. (Akademiâ nauk SSSR. Komissiiâ po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1930. Vyp. 35. *Title tr.*: A preliminary report on the work of the Yana River Hydrological Party of the Yakut Expedition, 1927-1929, and the problem of the navigability of the Yana River.

Observations on the hydrology and navigability of the Yana River; with a short description of a sea-going motor boat to ply on the Lena and

Yana and the coastal waters between two rivers.

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8603. KHZMYZNIKOVA, V. L. Nekotorye dannye o zooplanktone vostochnykh prolivov i severnoi chasti Karskogo moriâ. (In: Tai'myrskaiâ gidrograficheskaiâ ekspeditsiiâ, 1932. Trudy, 1935. Chast' 2, p. 175-90, incl. tables, illus.) *Title tr.*: Some data on the plankton of the eastern straits and the northern parts of Kara Sea. (Tai'myr Hydrographic Expedition, 1932).

Contains discussion, annotated list of fifty-three planktonic species, and tables indicating their occurrence at various depths in the deep parts of the northern section of the sea, near the Nordenskiöld Archipelago, and in Shokalsky and Vilkitsky Straits.

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8604. KHZMYZNIKOVA, V. L. Raspre-delenie biologicheskikh pokazatelei v prolivakh Shokal'skogo i Vil'kit'skogo. (Po materialam ekspeditzii na l/p "Rusanov" v 1932 g.). (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 82, p. 145-59, 2 fold tables, diagrs.) *Title tr.*: Distribution of the biologic indicators in Shokalsky and Vilkitsky Straits.

A study based on one hundred thirty-five plankton samples collected in these straits between Kara and Laptev Seas during the Arctic Institute of U.S.S.R. expedition on the ice-breaker *Rusanov*, with lists of forms observed. Summary in English.

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tables) **Title tr.:** Distribution of zooplankton in the southwestern part of Kara Sea.

Discussion, with tables of data, based on specimens collected at fifty-one stations, by an expedition of the Arctic Institute of U.S.S.R., summer 1936; with a list of the stations, showing location, salinity and temperature.

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8606. KHYMYZNIKOVA, V. L. Zooplankton Karskogo moriā kak pokazatel' techeniī. (Severnyi morskoi put', 1936. No. 4, p. 68-75, map) **Title tr.:** The zooplankton of Kara Sea as a biological index of currents.

Study of plankton samples collected from several voyages in Kara Sea and a discussion of currents as indicated by characteristic forms of plankton fauna. Summary in English.

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8607. KHODUNOV, P. A. K sistematike *Phleum pratense* var. *nodosum* Adams. (Peterhof. Biologicheskii institut. Trudy, 1932. No. 8, p. 243-59, illus.) **Title tr.:** A contribution to systematics of *Phleum pratense* var. *nodosum* Adams.

Contains data on geographical distribution of this fodder plant, occurring in Kola Peninsula, its morphology, associated plants and variations with criticism and correction of other authors' diagnoses. **Copy seen:** MH-Z.

8608. KHOMENKO, I. Bemerkungen zu: E. Pfizenmayer, Ein Desmostylenzahn von der neusibirischen Insel Kotelnii. (Centralblatt für Mineralogie, Geologie und Paläontologie, 1928. Abt. B, p. 519-20) **Title tr.:** Remarks on: E. Pfizenmayer, A tooth of *Desmostylus* from Kotelnii Island (New Siberian Islands).

The author proposes another name for the species, and remarks on the lack of clarity in identification by Pfizenmayer. **Copy seen:** DGS.

8609. KHOMECHESKAYA, L. S. O vremennom soprotivlenii szhatiū vechno-merzlykh gruntov i l'da estestvennoi struktury. (Akademiā nauk SSSR. Komitet po vechnoi merzlotē. Trudy, 1940. T. 10, p. 37-83, 32 tables, 13 illus., diagr.) **Title tr.:** The temporary resis-

tance to compression of permanently frozen grounds and ice of natural structure.

Contains results of field investigations on the Taymyr Peninsula in 1937, designed to recheck the results previously obtained under laboratory conditions, testing the compression strength of ice and permanently frozen ground. Data on the physical and mechanical properties of tested grounds are given, also instruments used, results of experiments and conclusions. Bibliography (8 items). **Copy seen:** DLC.

KHOROSHII, I., see Natol'skii A., & I. Khoroshii. Pushnoe delo v ĭakutii. 1928.

8610. KHOROSHIKH, P. P. ĭakuty. (Vsesoiūznoe geograficheskoe obshchestvo. Vostochno-sibirskii otdel. Izvestiā, 1924. T. 48, vyp. 1, p. 1-49) **Title tr.:** The Yakuts.

Contains a topically arranged bibliography on the Yakuts consisting of 829 entries, and an alphabetical listing of the authors. **Copy seen:** NN.

8611. KHRAMOVA, V. Sessiā, posviāshchennā V. G. Bogorazu. (Sovetskāiā ětnoграфиā, 1946, vyp. 3, p. 145) **Title tr.:** The session dedicated to V. G. Bogoraz.

Contains a short note on a special meeting of the Institute of Ethnography of the Academy of Sciences of the U.S.S.R. dedicated to V. G. Bogoraz. **Copy seen:** DLC; NN.

8612. KHRAPAL', A. A. K voprosu o sozdanii sobstvennoi sel'skokhoziāstvennoi bazy na Kraīnem Severe. (Sovetskāiā Arktika, 1937, no. 6, p. 80-88, illus.) **Title tr.:** On the creation of an agricultural base in the far North.

Contains data on achievements in cultivation in the Soviet North.

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8613. KHRAPAL', A. A. Vetroěnergiā v predpriātiākh Glavsevmorputi. (Sovetskāiā Arktika, 1940, no. 7, p. 17-22, illus., map, table) **Title tr.:** Use of wind energy in enterprises of the Main Administration of the Northern Sea Route.

Encouragement for increasing the use of wind power at the polar stations on the Northern Sea Route. Table shows number of electric power stations working on various kinds of fuel. Map shows distribution of wind re-

sources in the Soviet Arctic and location of power stations working on wind, oil, wood, coal, etc. **Copied seen:** DLC.

8614. KHRENNIKOVA, M. M. Rasteniyevodstvo na Eniseiskom severe. (In: Eikhfeld, I. G. and N. I. A. Chmora, editors. Sel'skokhoziaistvennoe osvoinenie Kraïnego Severa, 1937. **Pub.** as Vsesoiuznaia akademiia s.-kh. nauk. Trudy. Vyp. 13, p. 82-94, tables) **Title tr.:** The growing of plants in the northern Yenisey region.

Results of gardening and agriculture at the most northerly experiment station Igarka, 1932-35, which claims to have proved the practicability of growing the turnip, rape, cole-rape, radish, onion, cabbage and potato in the Yenisey region above the Arctic Circle. **Copied seen:** DLC.

8615. KHRAGIN, A. O temperature i proiskhozhdenii vechnoi merzloty. (Meteorologiya i gidrologiya, 1936. No. 3, p. 69-72, diags.) **Title tr.:** On temperature and origin of permafrost.

A brief account of two theories: permafrost as a result of ancient "geologic climate", and as a result of present-day low temperatures; with a discussion on the conduction of heat by the ground, calculation of temperature remaining at different depths from different ages, and an example of the modern dynamics of permafrost and its implication for the construction engineer. **Copied seen:** DLC.

8616. KHUDIAEV, I. O nekotorykh verkhnemegozoïskikh iskopaemykh iz ralonâ r. Obi. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1929. T. 59, vyp. 1, p. 127-35, illus. plate) **Title tr.:** On some Upper Mesozoic fossils from the region of the River Ob.

Contains descriptions of ten species of fossil molluscs from the Berezovo region, Tobolsk government, including *Blanfordia tobolica* n.sp., *B.* n.sp. inden. and *Ostrea leymeri sibirica* n. var. of the Upper Jurassic period. Summary in English. **Copied seen:** DLC.

8617. KHUDIÁKOV, I. A. Obratzy narodnoi literatury Iakutov, vyp. 1, Sanktpeterburg, Izd. Imp. Akademii nauk, 1913. 190 p. **Title tr.:** Samples of the folk literature of the Yakuts.

Contains the texts of eleven Yakut fairy tales in the Yakut language. **Copied seen:** NN.

8618. KHVAT, LEV BORISOVICH. Tri puteshestviia k Beringovu prolivu; zapiski zhurnalista. Leningrad. Izd-vo Glavsevmorputi 1949. 279 p. **Title tr.:** Three voyages to Bering Strait; notes of a journalist.

Notes by a reporter for *Pravda* on the *Chelïuskin* expedition and Camp Schmidt, 1934, the trans-arctic flights of Chkalov in 1936 and 1937, Gromov 1937, and Levanevskii 1937 (none of which he accompanied); also on his trip aboard the ice-breaker *Josef Stalin* over the Northern Sea Route from Murmansk to Ugol'naya Bay and return 1939. **Copied seen:** DLC.

8619. KHVAT, LEV BORISOVICH, and M. CHERNENKO. Geroicheskie dreif "Sevova". Vstupitel'naia stat'ia geroia Sovetskogo Soiuza P. Shirshova. Moskva, OGIZ, Gosudarstvennoe izd-vo politicheskoi literatury, 1940. 61 [3] p., illus., ports., map. **Title tr.:** Heroic drift of the *Sedov*; preface by P. Shirshov.

Narrative describing the eight hundred twelve day drift of the ice-breaker *Sedov* in the North Polar Sea, Oct. 23, 1937 -, Jan. 13, 1940, from 75° 17'N. 132° 28'E. westward to 80° 18'N. 1° 30'E. **Copied seen:** DLC.

8620. KHVOROSTANSKII, C. Über die Zonen des Küstenstriches der Solowezki-Inseln. (Zoologischer Anzeiger, Juni 1892. Jahrg. 15, p. 214-15) **Title tr.:** On the littoral zones of the Solovetskiye Islands.

Characterization of three zones with lists of fauna for each, for this White Sea locality. **Copied seen:** DSI-M.

8621. KHVOROSTANSKII, I. K. Spisok Bryozoa Murmanskago poberezh'ia. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1890. T. 21, vyp. 1. Protokoly zasiedanii, p. 7-16) **Title tr.:** List of Bryozoa of the Murman coast.

Contains a list of eighty-one marine bryozoans, based on material collected by the Murman Expedition of Prof. Bogdanov, in 1880, on the Murman coast, with some critical notes and data on habitat. **Copied seen:** DLC.

8622. KHVOSTIKOV, I. A. Svechenie nochnogo neba. Izd. 2-e dopoln. Moskva-Leningrad. Izd. Akad. nauk SSSR, 1948. 495 p., illus., plates, diags. (Akademiia nauk SSSR. Nauchno-populiarnaiâ seriia) **Title tr.:** The light of the

night sky. First edition published 1937 (167 p.)

Contents tr.: 1. Aurora borealis, p. 7-47. 2. Brightness of the night sky, p. 48-61. 3. Green line, p. 62-82. 4. Spectra of the light of the night sky, and aurora borealis, p. 83-140. 5. Discussion of molecular nitrogen; forbidden lines in the spectra of atmospheric emission, p. 141-62. 6. Infra-red radiation of the night sky, p. 163-75. 7. Brightness of the twilight sky, p. 176-213. 8. Sodium in the upper atmosphere, p. 214-76. 9. Photometric analysis of the light of the night sky, p. 277-361. 10. Polarisation of the light of the night sky, p. 362-80. 11. Theory of the light of the night sky, p. 381-470. Literature, p. 471-91 (434 items).

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KHVOSTOV, NIKOLAI ALEKSANDROVICH, 1776-1809, see Davydov, G. I. Dvukratnoe puteshestvie v Ameriku. 1810-12.

KHVOSTOV, NIKOLAI ALEKSANDROVICH, 1776-1809, see Kruzenshtern, I. F. Wörter-Sammlung. 1813.

8623. KIAER, HANS, 1865-1931. Die arktischen Tenthrediniden. (*In*: Fauna arctica, 1902. Bd. 2, p. 401-438, tables, sketch map) **Title tr.:** Arctic Tenthredinidae.

Contains a list, with synonymy, references and localities, of two hundred twenty-seven species of saw-flies from circumpolar lands; tabular data on distribution of species in northern Scandinavia, Novaya Zemlya, West Spitsbergen, Iceland, Greenland, Hudson Bay region, Alaska, and arctic Siberia; and on distribution of Tenthredinid families in Labrador. Mackenzie River basin and Kamchatka in addition to the above mentioned regions. Includes discussion of regional distribution, and a bibliography (23 items).

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8624. KIAER, HANS, 1865-1931. Fortegnelse over Tromsøundets Foraminiferer. (Tromsø, Norway. Museum. Årshefter, 1902, pub. 1908. Bd. 25, p. 45-48) **Title tr.:** Catalog of the Foraminifera of Tromsø Sound.

List, showing depths, of eighty-four species, accompanied by station list with bottom characteristics noted.

Copy seen: DLC; DSI-M.

8625. KIAER, HANS, 1865-1931. Om dyrelivet i Balsfjorden og denne fjords udløb til havet. (Tromsø, Norway. Museum. Årshefter, 1905, pub. 1906. Bd. 28, p. 13-50, sketch chart) **Title tr.:** The fauna of Bals Fjord and those fjords lying toward the sea.

Study of the animal communities of the littoral zone, shallow-sea margin, hard bottoms and mud bottoms of the waters in the Tromsø region; the distribution and biology of certain individual species of invertebrates; the occurrence of some species in deep water of Bals Fjord, Tromsø Sound and Kval Sound; and of the drifting and free-swimming fauna of Tromsø Sound. Summary in English, p. 49-50.

Copy seen: DLC; DSI-M.

8626. KIAER, HANS, 1865-1931. Om kvartærtidens marine afleiringer ved Tromsø. (Tromsø, Norway. Museum. Årshefter, 1902, pub. 1908. Bd. 25, p. 17-44) **Title tr.:** On the Quaternary marine deposits in the Tromsø region.

Contains discussion and lists of species of molluscs and foraminifera of late glacial times (*Yoldia* and *Arca* clays) found as high as sixty-six meters above sea level; of the post-glacial deposits (shell banks at Tromsø clay beds in Bals Fjord; and fossil shells in the littoral region); and of recent deposits (shells found in calm bays and deep water channels of the fjords, not known as living on the muddy bottom); with a bibliography (27 items). Summary in English, p. 43-44.

Copy seen: DLC; DSI-M.

8627. KIAER, HANS, 1865-1931. Om Tromsøundets fiske. En oversigt over deres udbredelse og biologi. (Tromsø, Norway. Museum. Årshefter, 1904, pub. 1906. Bd. 27, p. 127-69, illus.) **Title tr.:** Fishes of Tromsø Sound. Review of their distribution and biology.

Contains notes on the sound as habitat, its bottom, currents, temperature, etc., annotated list of forty-four species of fishes, and some results of bottom trawls at various depths. Summary in English, p. 166-69.

Copy seen: DLC; DSI-M.

8628. KIAER, HANS, 1865-1931. On the bottom deposits from the Second Norwegian Arctic Expedition in the *Fram*. Kristiania, A. W. Brøgger, 1909. 8 p. (Norske videnskapsakademi, Oslo.

Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 3, whole series no. 17)

Contains list of stations; description of bottom deposits with foraminifera listed and other content noted; remarks on species of foraminifera.

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8629. KIAER, HANS, 1865-1931. Thalamophora. Christiania, Grøndahl & Søn, 1899. 2 p. l., 13 [1] 1 l. plate, map, (Den Norske Nordhavs-expedition, 1876-1878. Bd. 7, Zoology, hefte. 4)

A list with four descriptions and notes on distribution, of one hundred sixty-six (including two new) species of Foraminifera in bottom samples from dredgings of the Norwegian and Greenland Seas, with a discussion of the clays in which they were found.

Copied seen: DLC.

8630. KIAER, HANS, 1865-1931. Uebersicht der phytophagen Hymenopteren des arktischen Norwegens. (Tromsø, Norway. Museum. Årshæfter, 1896, pub. 1898. Bd. 19, p. 15-111, plate) *Title tr.:* Review of the sawflies of arctic Norway.

Contains a brief characterization of the region north of the Arctic Circle, with a list of localities; a systematic list, with taxonomic notes and distribution, of one hundred six (including with descriptions, four new) species; a section discussing Norwegian and circumpolar distribution; and a bibliography (73 items).

Copied seen: DSI-M.

KIAER, HANS, 1865-1931, *see also* Bøggild, O. B. On the bottom deposits of north polar sea. 1906.

KIAER, HANS, 1865-1931, *see also* Friese, H. F. A., & others. Hymenoptera. 1923.

KIAER, HOLGER SVERDRUP, 1856-1928, *see* No. 8314.

8631. KIAER, JOHAN ASCHEHOUG, 1869-1931. A bothriolepis fauna from Arkhangel Bay, Novaya Zemlya. Oslo, 1926. 11, [1] p. 2 plates. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 32) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania).

On fossil fish and brachiopod remains from the Middle Devonian.

Copied seen: DLC.

8632. KIAER, JOHAN ASCHEHOUG, 1869-1931. *Ctenaspis* a new genus of Cyathaspidian fishes. A preliminary report. Oslo, J. Dybwad, 1930. 7 p. illus. (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 33).

Fossil fish from Spitsbergen's Downtonian Red Bay Series.

Copied seen: DLC.

8633. KIAER, JOHAN ASCHEHOUG, 1869-1931. The Downtonian and Devonian vertebrates of Spitsbergen IV. Suborder *Cyathaspidia*. Oslo, J. Dybwad, 1932. 26 p. illus., 11 plates (Norway. Norges Svalbard- og Ishavsundersøkelser. Skrifter. Nr. 52)

"A preliminary report, ed. by A. Heintz", comprising a taxonomic study of fossil fishes.

Copied seen: DGS.

8634. KIAER, JOHAN ASCHEHOUG, 1869-1931. The lower Silurian at Khabarova. [Christiania (etc.), J. Dybwad, 1904] 16, [2] p. illus., 1 plate. (Nansen, Fridtjof, ed. Norwegian Polar expedition 1893-96. Scientific results. v. 4, no. 12)

Based on the fossil specimens brought back by Nansen from the Yugor Strait region.

Copied seen: DLC.

8635. KIAER, JOHAN ASCHEHOUG, 1869-1931. Upper Devonian fish remains from Ellesmere Land, with remarks on *Drepanaspis*. Kristiania, A. W. Brøgger, 1915. 56 p. illus., 8 plates, map (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram* 1898-1902, v. 4, (no. 33))

Descriptions and notes on eight new species and on specimens collected, with discussion of occurrence.

Copied seen: DLC.

8636. KIAER, JOHAN ASCHEHOUG, 1869-1931, and ANATOL HEINTZ. The Downtonian and Devonian vertebrates of Spitsbergen V. Suborder *Cyathaspidia* Pt. I. Tribe *Poraspidae*, Family *Poraspidae* Kiaer. Oslo, J. Dybwad, 1935. 138 p. illus. (incl. map) 40 plates, tables, diagrs. (Norway, Norges Svalbard- og Ishavsundersøkelser. Skrifter, No. 40)

The material on fossil fishes described in this paper was collected by Norwegian expeditions, 1906-1928, exclusively in Red Bay region of northern West Spitsbergen. Bibliography, p. 134-38.

Copied seen: DLC.

8637. KIDD, DESMOND FIFE, 1905- . The Great Bear Lake - Coppermine River district. (Canadian Mining journal, Jan. 1932. v. 53, p. 5-12, 3 sketch maps)

Based on a geological survey by the author, in 1931, a description of general geology and the copper deposits of Coppermine River region and the silver and pitchblende deposits of the Great Bear Lake region.

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8638. KIDD, DESMOND FIFE, 1905- . Great Bear Lake area, Northwest Territories. (Canada. Geological Survey. Summary report, 1932, *pub.* 1933. Pt. C, p. 1-36, illus., 2 plates, diagrs., fold., col. map)

Contains chapters on general, structural and economic geology of the Echo Bay area, including deposits of silver, uranium, gold, and coal. *Map:* Geological, 296A, Great Bear Lake (McTavish Arm), scale 1:253,440, 65° 30'-66° 50' N. 116° 15'-118° 45' W.

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8639. KIDD, DESMOND FIFE, 1905- . Great Bear Lake - Coppermine River area. (Canadian mining and metallurgical bulletin, Sept. 1932. No. 245, p. 512-26, illus.)

Contains a report (p. 512-23, with discussion (p. 253-26) on the geological features of the part of Mackenzie District between Labine Point and Hunter Bay and northwest to the head of McTavish Arm, along the Sloan River, and the region north of Dismal Lakes and west of the Coppermine River; description of the rocks and the mineral deposits, including copper, pitchblende and silver.

The general character, topography and climate are discussed in: McDonald, R. C. *Surveys at Great Bear Lake*, 1931, *pub.* 1932, q.v.

Copy seen: DGS.

8640. KIDD, DESMOND FIFE, 1905- . Great Bear Lake-Coppermine River area, Mackenzie District, North West Territories. (Canada. Geological Survey. Summary report, 1931, *pub.* 1932. Pt. C. p. 47-69, illus., plate, fold. map, diagrs.)

Contents: Information on weather conditions, access, travel routes (with map); description of the physical features, general and economic geology (copper, silver, and uranium-radium

of the shore area and islands from Labine Point to the head of McTavish Arm, including a part of Sloan River entering Hunter Bay, Great Bear Lake.

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8641. KIDD, DESMOND FIFE, 1905- . Pitchblende deposits at Great Bear Lake. (*In:* Ellsworth, H. V. Rare-element minerals of Canada. *Pub.* in Canada. Geological Survey. Economic geology ser., 1932. No. 11, p. 139-46, incl. sketch map)

Description of the rocks, their geology and associated minerals especially silver, and of the claim zones, with analyses of uranium and radium content.

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8642. KIDD, DESMOND FIFE, 1905- . A pitchblende-silver deposit, Great Bear Lake, Canada. (Economic geology, Mar.-Apr. 1932. v. 27, p. 145-59, illus.)

Description of the deposit at Labine Point, Echo Bay, and the minerals found there, with remarks on general geology.

Copy seen: DGS.

8643. KIDD, DESMOND FIFE, 1905- . Rae to Great Bear Lake, Mackenzie District, N.W.T. Ottawa, King's Printer, 1936. 2 p. l., 44 p. incl. tables. 3 fold. maps (in pocket). (Canada. Geological Survey. Memoir 187)

Description of the physical features (including notes on access and canoe routes), general geology, and economic geology, including copper, pitchblende, silver and gold, with description of properties.

Maps: Geological maps (scale 1:253,440): 331 A, between Rae (on northern Great Slave Lake) and Faber Lake, 62° 45'-64° N., 115° 45'-117° 45' W.; 332A, between Faber Lake and Hottah Lake, 64°-65° N., 117°-119° W.; 332A, between Faber Lake and Hottah Lake, 64°-65° N., 117°-119° W.; 333A, between Hottah Lake and Richardson Island, 65°-65° 45' N., 117°-119° W.

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8644. KIDD, DESMOND FIFE, 1905- , and M. H. HAYCOCK. Mineragraphy of the ores of Great Bear Lake. (Geological Society of America. Bulletin, June 1935. v. 46 p, 879-959, illus., 16 plates)

Results of a joint study in 1932, of the silver and pitchblende ores from the Eldorado mine, located in the Echo Bay area, at the east end of Great Bear

Lake, Mackenzie District. Includes notes on the general and structural geology and mineralization of the area around Eldorado, and of the mine itself; description (in detail) of the pitchblende, iron, cobalt-nickel, bismuth, copper, silver, manganese, and other minerals in the ores, with discussion of ore genesis.

Copy seen: DGS.

KIDD, DESMOND FIFE, 1905- , *see also* Stockwell, C. H., & D. F. Kidd. Metalliferous mineral possibilities NWT. 1932.

8645. KIEFFER, JEAN JACQUES, 1857-1925. Chironomiden der 2. Fram-Expedition (1898-1902). (Norsk entomologisk tidsskrift, 1925, *pub.* 1926, Bd. 2, p. 78-89, illus.) *Title tr.:* Chironomidae of the Second Fram Expedition, 1898-1902.

This collection of mosquito-like flies and midges, in the Zoological Museum, Oslo, is described here for the first time. Twenty-three species in all are represented of which seventeen are new, and five indefinite species, mostly from Ellesmere Island.

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8646. KIEFFER, JEAN JACQUES, 1857-1925. Chironomides de la Nouvelle-Zemble. Kristiania, 1922. 24 p. illus. (Norske Novaja Zemlja ekspedisjon, 1921. Report of the scientific results. No. 2) Published by Det Norske videnskaps-akademi i Oslo (Videnskapsselskapet i Kristiania). *Title tr.:* Chironomides of Novaya Zemlya.

Descriptions of twenty-seven new species of flies.

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8647. KIEFFER, JEAN JACQUES, 1857-1925. Nouvelle contribution à l'étude des chironomides de la Nouvelle-Zemble. Kristiania, 1923. 11 p. illus. (Norske Novaja Zemlja ekspedisjon, 1921. Report of the scientific results. No. 9) Published by Det Norske videnskaps-akademi, Oslo (Videnskapsselskapet i Kristiania). *Title tr.:* New contribution to the study of the chironomids of Novaya Zemlya.

Taxonomic discussion of Lundström's work from the Russian polar expedition 1900-1903, with additional descriptions of Novaya Zemlya species not given in the author's *Chironomides* (Report no. 2 of this series). *Copy seen:* DLC.

8648. KIEFFER, JEAN JACQUES, 1857-1925, and A. THIENEMANN. Chironomiden, gesammelt von Dr. A. Koch (Münster i. W.) auf den Lofoten, der Bäreninsel und Spitzbergen (Dipt.) (Entomologische Mitteilungen, 1919. Bd. 8, p. 38-48, 110-24) *Title tr.:* Chironomidae collected by Dr. A. Koch on Lofoten, Bear Island and Spitzbergen (Dipt.)

Contents tr.: Koch, A. Foreword. (Field notes on localities where insects were collected, 1914).

Kieffer, J. J. Chironomids of north Polar region. (Systematic list of all known species, including descriptions of thirteen new species and two new varieties, from the Koch collections)

Thienemann, A. Chironomid larvae and pupae of Bear Island and Spitzbergen.

Copy seen: DA.

KIEFFER, JEAN JACQUES, 1857-1925, *see also* Friese, H. F. A., & others. Hymenoptera. 1923.

8649. KIELLAND, AXEL. Kolumbus opdager Grønland. Oslo, H. Aschehoug & Co., 1931. 150 p. *Title tr.:* Columbus discovers Greenland.

A novel, dealing amusingly with the strained relations between Denmark and Norway over East Greenland.

Copy seen: NN.

KIHLMANN, ALFRED OSWALD, *see* KAIRAMO, ALFRED OSWALD, 1858-

KIHN, WILLIAM LANGDON, 1898- , *see* Stirling, M. W. Nomads of far North. 1949.

8650. KIRASHEV, A. P. Klinika i lechenie otmorozhenii (Klinicheskaja meditsina, 1944. T. 22, vyp. 1-2, p. 25-31) *Title tr.:* Frostbite clinical data and treatment.

Medical data from World War II, showing percent of Russian field personnel affected by four different degrees of frostbite, and percent occurrence of a number of clinical symptoms. Includes detailed discussion of treatment of various phases of frostbite. Bibliography (10 items).

English translation was published in E. R. Hope, *Frostbite; translations* [etc.], Ottawa Defence Research Board, 1950, p. 61-68. (Copy in DLC).

Copy seen: DSG.

KILDAHL, JENS, *see* KILDAL, JENS.

8651. KIILERICH, ALF BENTHIN, 1902- . The hydrography of the West Greenland fishing banks. København, C. A. Reitzel, 1943. 45 p. 11 plates (diagrs., 4 fold.) (Denmark. Kommissionen for Danmarks fiskeri- og havundersøgelser. Meddelelser; ser. hydrografi. Bd. 3, nr. 3)

"Report on the main results of a complete treatment of all the observations available from the Greenland seas from about 1880 till today, with special regard to verification of the regular annual variations in the hydrographic conditions near the coastal banks off West Greenland." — Introduction.

Contents: 1. Characteristics of the most important water masses. Cold water. A. East Greenland Current. B. Canadian polar current (Labrador Current). C. Cold water from the winter. Warm water. A. Undercurrent in Greenland Sea. B. Irminger Current. Mixed water.

2. Survey of hydrographic conditions. A. Polar Sea, Greenland Sea, Denmark Strait, and waters around south Greenland. B. Davis Strait, Disko Bay, and Baffin Bay. Depth off West Greenland. Cold and warm water. Velocity of West Greenland current. Tables and discussion of variations of conditions 1883-1938. Bibliography.

Illus., diagrs., etc.: Vertical temperature, salinity and current section. Topography of sea surface. Horizontal current charts for surface, 200 and 500 meters. *Copy seen:* DF.

8652. KIILERICH, ALF BENTHIN, 1902- . Nordland, Severnaya Zemlja; opdagelse og udforskning med særlig henblik paa russisk arbejde i de seneste aar. (Geografisk tidsskrift, København, 1932. Bd. 35, p. 36-53, illus. sketch map) *Title tr.:* Northern land, Severnaya Zemlya; discovery and exploration, with special reference to Russian work during recent years.

Historical account of expeditions along northern Siberian waters, searching for a trade route to China, and for land north of Cape Chelyuskin; the discovery of Severnaya Zemlya by the Russian Hydrographic Expedition of 1913, under Boris Vil'kitskii, and further exploration of the islands sponsored by the Arctic Institute of U.S.S.R. Includes comments on the *Maud* Expedition, 1918, and the Noble (1928) and *Graf Zeppelin* (1931) flights; also de-

scription of the islands. Summary in English. *Copy seen:* DLC.

8653. KIILERICH, ALF BENTHIN, 1902- . Nordvandet; forsøg paa en forklaring af det isfri havområde i Smith sund. (Geografisk tidsskrift, København, 1933. Bd. 36, p. 53-61, diagrs.) *Title tr.:* The northern water; an attempt to explain the ice-free area in Smith Sound.

Discussion, based on observations of the *Godthaab* Expedition in 1928, of a region in Smith Sound remaining free of ice through the winter, and theories in explanation of this phenomenon. Summary in German. *Copy seen:* DLC.

8654. KIILERICH, ALF BENTHIN, 1902- . Ny maaling af Moltkes gletsjer. (Geografisk tidsskrift, København, 1929. Bd. 32, p. 181-82) *Title tr.:* New measurement of Moltke Glacier.

Measurement of the movements of Moltke Glacier, in the Thule region of northwest Greenland, done during the *Godthaab* Expedition, 1928.

Copy seen: DLC.

8655. KIILERICH, ALF BENTHIN, 1902- . On the hydrography of the Greenland Sea. København, C. A. Reitzel, 1945. 63 p. illus. (diagrs., 8 charts) 3 fold. charts. (Meddelelser om Grønland. Bd. 144, nr. 2)

Results of Danish expeditions to East Greenland, 1926-39, under Lauge Koch. Appendix no. 2. Data upon which this paper is based, are derived from the work of seventeen ships.

Contents: Delimitation and exploration of the Greenland and Norwegian Seas. The hydrography: The polar sea (oceanographic sketch). Depths of Greenland Sea (including longitudinal section showing major topography). East Greenland Polar Current. Atlantic undercurrent. Water transport of the currents. Cold deep water in Greenland and Norwegian Seas. Denmark Strait (including a hydrographic section across the northern part). Bibliography (59 items). *Copy seen:* DGS.

KIKOIN, I. K., see Fersman, A. E., & others. Sulfidnye mestorozhdeniia Moncha-guby. 1932.

KILDAL, JENS, see Nordlands og Troms finner. 1943-45.

8656. KILESSO, A. I. O novykh tipakh arkticheskikh sudov. (Sovetskaya Ark-tika, 1940, no. 6, p. 17-25, illus., tables) *Title tr.*: On new types of arctic ships.

Brief description of ships used in arctic navigation, a table showing their use by various countries; plans for construction of a super-power ship for the Soviet Arctic. *Copy seen:* DLC.

8657. KILJANDER, LUDVIG. Bidrag till kännedom om Finlands Neuroptera planipennia. (Societas pro fauna et flora fennica. Meddelanden, 1881. Häfte 7, p. 152-56) *Title tr.*: A contribution to the knowledge of Neuroptera planipennia of Finland.

Contains critical notes on nineteen species of lacewings (Neuroptera) of suborder Planipennia, occurring in Finland, including three native to Finnish Lapland. *Copy seen:* MH-A.

KILLEEN, PEMBERTON LEWIS, 1908- , see Coats, R. R., & P. L. Killeen. Fluorite reserves Lost River tin mine. 1944.

8658. KIMAKOWICZ, M. von. Dr. med. Arthur von Sachsenheim's Mollusken-Ausbeute im nördlichen Eismeer an der West- und Nordküste Spitzbergens. (Siebenbürgische Verein für Naturwissenschaften zu Hermannstadt. Verhandlungen und Mittheilungen, 1896, pub. 1897. Bd. 46, p. 67-81) *Title tr.*: Dr. Arthur von Sachsenheim's mollusc collections in the Arctic Ocean and on the west and north coasts of Spitsbergen.

The collections were made by a ship's doctor during July-Aug. of 1895 and 1896. The author gives notes on the itinerary of the whaling voyages in Svalbard waters, and an annotated list, with localities, of twenty species, including descriptions of one new species and one new variety of molluscs. *Copy seen:* DLC.

8659. KIMBALL, ADELAIDE. The changing Arctic. (Alaska life, Apr. 1938. v. 1, no. 4, p. 6-7, 16, illus.)

Account of a voyage, in 1937, on the U. S. Bureau of Indian Affairs vessel *North Star* to Point Barrow, with description of Eskimos of Bering Sea and North Alaska. *Copy seen:* DLC.

8660. KIMBALL, HERBERT HARVEY, 1862- . Solar radiation intensities in arctic regions. (Beiträge zur Geophysik, 1931. Bd. 32, p. 100-105)

A summary of solar radiation intensities measured prior to 1929, at selected northern stations, including one in Greenland and on Spitsbergen; with bibliographical references.

Copy seen: DLC.

8661. KIMBALL, HERBERT HARVEY, 1862- . Solar radiation intensities within the Arctic Circle. (U. S. Weather Bureau. Monthly weather review, April 1931. v. 59, p. 154-57, diagrs., tables)

Solar radiation intensity measurements made at Green Harbor in West Spitsbergen, and at Mount Evans in Greenland by a University of Michigan party 1927-1928, are reviewed.

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8662. KINCAID, TREVOR. Introduction. (In: Ashmead, W. H., and others. Insects, part I. Harriman Alaska series, 1904. v. 8, p. 1-34)

Description (by the collector of the Harriman Alaska Expedition's insects) of the various localities, with notes on the flora and terrain, including southeastern Alaska, Glacier Bay (Muir Inlet) Sitka, Yakutat, Prince William Sound, Seldovia (Kenai Peninsula) Kukak Bay (Alaska Peninsula), Kodiak, Popof Island (Shumagin Islands). *Copy seen:* DLC.

8663. KINCAID, TREVOR. The metamorphoses of some Alaska Coleoptera. Papers from the Harriman Alaska Expedition. VIII. Entomological results (2). (Washington Academy of Sciences, Proceedings, Nov. 1900. v. 2, p. 367-88, 5 plates) Reprinted in 1904 in: Ashmead, W. H., and others. Insects, part I. Harriman Alaska series, v. 8, p. 187-210.

Descriptions of the larvae of nine species of beetles. *Copy seen:* DLC.

8664. KINCAID, TREVOR. The Sphegoidea and Vespoidea. Papers from the Harriman Alaska Expedition. XIV. Entomological results (8). (Washington Academy of Sciences. Proceedings, Dec. 1900. v. 2, p. 507-510) Reprinted in 1904 in: Ashmead, W. H. and others. Insects, part II. Harriman Alaska series. v. 9, p. 107-112.

List, with synonymy and localities, of nine (including, with descriptions, two new) species of wasps from southern and southwestern Alaska.

Copy seen: DLC.

8665. KINCAID, TREVOR. The Tenthredinoidea. Papers from the Harriman Alaska Expedition. VII. Entomological results, 1. (Washington Academy of Sciences. Proceedings, Nov. 1900. v. 2, p. 341-65) Reprinted in 1904 in: Ashmead, W. H., and others. Insects, part II. Harriman Alaska series. v. 9, p. 79-105.

List, with synonymy and localities, of fifty-six (including, with descriptions, thirty new) species of sawflies from southern and southeastern Alaska.

Copy seen: DLC.

8666. KINCER, J. B. Does the formation of abnormally heavy ice in the Bering Sea cause famine in northern Japan? A review. (U. S. Weather Bureau. Monthly weather review, Nov. 1922. v. 50, p. 582-83)

The significance of the effects of the accumulation of ice over the Bering Sea on the temperatures of the "Oyashio" (cold) current and subsequently the summer air temperatures over Japan, is considered. *Copy seen:* DLC.

8667. KINDBERG, NILS CONRAD, d. 1910. Enumeratis muscorum (Bryenorum et Sphagnaceorum), qui in Groenlandia, Islandia et Faeroer occurrunt. (Naturhistoriske forening. Videnskabelige meddelelser, 1887, pub. 1888. Aarg. 39, p. 293-304) *Title tr.*: Enumeration of mosses (Bryales and Sphagnales), occurring in Greenland, Iceland and the Faeroes.

Table showing geographic distribution of these mosses in North America, Greenland, Iceland, the Faeroes, West Spitsbergen and Norway.

Copy seen: DLC.

8668. KINDBERG, NILS CONRAD, d. 1910. Novitiet för Sveriges och Norges moss-flora. (Botaniska notiser, 1882, p. 143-47) *Title tr.*: Novelty for Swedish and Norwegian moss-flora.

Contains a list of about seventy-five mosses new to bryological flora of Sweden and Norway, with localities, literary sources and synonymy (in a few cases); includes some arctic species; based chiefly on Lindberg's and Schimper's works.

Copy seen: MH-A.

8669. KINDBERG, NILS CONRAD, d. 1910. En ny mossart från Spetsbergen. (Botaniska notiser, 1892, p. 258-59) *Title tr.*: A new moss species from Spitsbergen.

Contains a Latin description of a new moss, *Timmia arctica* found in West Spitsbergen by Dr. R. Gyllencreutz in 1883, and comparison with related species *T. austriaca* known also from West Spitsbergen, Bear Island and Greenland.

Copy seen: MH-A.

8670. KINDBERG, NILS CONRAD, d. 1910. Om *Grimmia funalis* och närstående arter. (Botaniska notiser, 1882, p. 184-87) *Title tr.*: On *Grimmia funalis* and related species.

Contains descriptions of *Grimmia funalis* and three related species of the same moss genus, including *G. tenera* native to Alten, Finnmark, Norway.

Copy seen: MH-A.

8671. KINDBERG, NILS CONRAD, d. 1910. Om några skandinaviska mossarter. (Botaniska notiser, 1896, p. 189-97) *Title tr.*: On some Scandinavian moss species.

Contains critical notes on twenty-two Scandinavian species of mosses (one new), including five native to Swedish Lapland and northern Norway and data on distribution in other arctic regions (Siberia, Greenland).

Copy seen: MH-A.

8672. KINDLE, EDWARD DARWIN, 1906- . Dezadeash map-area, Yukon (preliminary account). Ottawa, 1947. 1 p. l., [1], 16 p. fold. map. (Canada. Geological Survey. Paper 47-15)

Contains mimeographed notes on routes, previous explorations, and physical features; descriptions of the geological formations, the structural geology, and the gold placer and lode deposits, with a bibliography.

Copy seen: DGS.

8673. KINDLE, EDWARD DARWIN, 1906- . Dezadeash map-area, Yukon (second preliminary account). Ottawa, 1949. 2 p. l., 34 p. fold. map. (Canada. Geological Survey. Paper 49-24)

Based on field work during 1946-48 in a 4,200-square mile area, 60°-61°N. 136°-138°W., lying 39 miles by road west of Whitehorse. Notes on its accessibility by the Alaska Highway, roads, trails, rivers and lakes; on the natural resources, previous explorations, and physical features; and (in more detail) a summary of the general geology, petrology, mineralogy, structural geology, gold placer and lode deposits, (slight) coal deposits, and prospecting possibilities; bibliography (17 items).

Map: Preliminary geological map 49-24A, scale 1:253,440.

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8674. KINDLE, EDWARD DARWIN, 1906-. The Dezadeash area, Yukon. (Western miner, Oct. 1947. v. 20, no. 10, p. 48-50)

Based on field work, during 1946 in the map area between 60°-61°N. 136°-138°W.; description of access by highway, air and water, history of exploration and notes on structural geology and gold deposits; bibliography (18 items). Excerpt from the author's work of the same title, published in 1947 as Canada, Geological Survey, paper 47-15.

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8675. KINDLE, EDWARD DARWIN, 1906-. Geological reconnaissance along Fort Nelson, Liard, and Beaver Rivers, northeastern British Columbia and southeastern Yukon. Ottawa, 1944. 1 p. l., 19 p. fold. map. (Canada. Geological Survey. Paper 44-16)

Contains a mimeographed report on the physical features, stratigraphy, structure, and oil possibilities, with a bibliography and a preliminary map.

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8676. KINDLE, EDWARD DARWIN, 1906-. Geological reconnaissance along the Canol Road, from Teslin River to Macmillan Pass, Yukon. 2d ed. Ottawa, 1946. 2 p. l., 29 p. fold. map. (Canada. Geological Survey. Paper 45-21) Second edition, somewhat enlarged and superseding the first edition (not listed in this Bibliography).

Contains a bibliography, mimeographed notes on access, history of exploration; description of the topography and glaciation, the rocks and geological formations, the placer and lode deposits, and the mining claims.

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8677. KINDLE, EDWARD MARTIN, 1869-1940. Arrival and departure of winter conditions in the Mackenzie River basin. (Geographical review, Dec. 1920, v. 10, p. 388-99, illus., sketch map).

Description of conditions during each of four seasons, and of the break-up of the ice.

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8678. KINDLE, EDWARD MARTIN, 1869-1940. Canada north of fifty-six degrees. The land of long summer days.

(Canadian field naturalist, Mar. 1928. v. 42, p. 49-86, illus. (1 map) 20 plates (1 map))

The prize-winning essay in a competition on the geography and resources of Canada, north of 56°N. Contains descriptions and discussion of the physical features, the people, historical development and future possibilities, of Labrador, northwestern Canada (including Yukon), Arctic Islands; also fisheries, oceanography and marine transportation, and settlement. *Copy seen:* DLC.

8679. KINDLE, EDWARD MARTIN, 1869-1940. Diatomaceous dust on the Bering Sea ice floes. (American journal of science, Aug. 1909. Ser. 4, v. 28, p. 175-79, illus.)

Discussion of the ice conditions in 1908, the dust on the floes, with list of fifteen diatoms, and the affinity of these species to diatoms from the Arctic Ocean and the Pacific.

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8680. KINDLE, EDWARD MARTIN, 1869-1940. The discovery of a Portage fauna in the Mackenzie River valley. (Canada. Geological Survey. Museum bulletin, 1919. No. 29; Geological ser. no. 36, p. 1-8, 2 plates)

Results of a Canadian Geological Survey field trip in 1917, when the Devonian shales on the northeastern bank of the Mackenzie River, opposite Simpson and below it were discovered to hold a Portage fauna. Includes descriptions of eleven (three new) species of fossil molluscs and one new fossil brachiopod, with a correlation with the New York Portage fauna.

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8681. KINDLE, EDWARD MARTIN, 1869-1940. The faunal succession in the Port Clarence limestone, Alaska. (American journal of science, Nov. 1911. Ser. 4, v. 32, p. 335-49)

Gives the order of succession and correlation of the several faunas known in the formation (ranging in age from Cambrian to Devonian or Carboniferous) on the Seward Peninsula; with preliminary lists of invertebrate species represented.

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8682. KINDLE, EDWARD MARTIN, 1869-1940. Geography and geology of Lake Melville district, Labrador Peninsula. Ottawa, King's Printer, 1924. 1 p. l., ii, 105 p. 17 plates (incl. front.)

maps (1 fold.) tables. (Canada. Geological Survey. Memoir 141; Geological series, no. 120)

Contains chapters on history (exploration, with bibliography); geography (topography, drainage, climate, provisional list of land plants of Lake Melville and Hamilton Inlet district, water plants (of fresh, salt and brackish waters), forests, and inhabitants); hydrography (rivers, bays, lakes, intertidal fauna and marine invertebrates, temperature and density of the waters); stratigraphic geology (including terraces, and notes on Goose Bay); economic geology.

Appendix: Meteorological observations, July–Sept., 1921, Carter Basin (approx. 53°29'N., 59°52'W.).

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8683. KINDLE, EDWARD MARTIN, 1869–1940. Geologic reconnaissance of the Porcupine valley, Alaska. (Geological Society of America. Bulletin, Oct. 1908. v. 19, p. 315–38)

Description of the structure and stratigraphy, and lists of the faunas, based on a field study in 1906 of the valley of this right tributary of the Yukon (at about 66°35'N. 145°28'W.).

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8684. KINDLE, EDWARD MARTIN, 1869–1940. Geology of a portion of the northern part of Moose River basin, Ontario. (Canada. Geological Survey. Summary report, 1923, pub. 1924. Pt. C 1, p. 21–41, 3 plates)

Contains report on topography, stratigraphic geology, and structure; also a summary of other papers (with bibliographic footnotes) on the economic geology of the James Bay region.

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8685. KINDLE, EDWARD MARTIN, 1869–1940. Geology of the arctic archipelago and interior plains of Canada. (*In:* Ruedemann, R., and R. Balk, eds. Geology of North America. (Geologie der Erde). Berlin, 1939. v. 1, p. 176–231, illus.)

Contains description of physiography, stratigraphy and structure of the Canadian Arctic Islands, Hudson Bay region, Manitoba lowland, and Mackenzie basin, with bibliographies.

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8686. KINDLE, EDWARD MARTIN, 1869–1940. The James Bay coastal plain;

notes on a journey. (Geographical review, 1925. v. 15, p. 226–36, illus.)

A description of the topography and climate of the Ontario section of James Bay region.

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8687. KINDLE, EDWARD MARTIN, 1869–1940. The Labrador environment. (Canadian magazine, Dec. 1924. v. 63, p. 471–77, illus.)

Popular, and very general description of the peninsula, especially the Hamilton Inlet region, its physiography, climate, vegetation and natives.

Copy seen: DLC.

8688. KINDLE, EDWARD MARTIN, 1869–1940. Mackenzie River driftwood. (Geographical review, Jan. 1921, v. 11, p. 50–53, illus.)

The author believes that the Mackenzie contributes much driftwood to the arctic coast, and discusses here the occurrence, action and sources of such driftwood in and along the river.

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8689. KINDLE, EDWARD MARTIN, 1869–1940. The Mackenzie River oil region. (Canadian mining and metallurgical bulletin, Apr. 1921. No. 108, p. 306–311)

Brief general notes on river transportation, climate, physical geography, and geology.

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8690. KINDLE, EDWARD MARTIN, 1869–1940. Note on a mammoth tusk from the arctic archipelago. (American journal of science, Aug. 1924, Ser. 5, v. 8, p. 183–85, illus.)

Description of a fragment collected by the Canadian Arctic Expedition in 1913–18, on Banks Island, with notes on other specimens from Alaska.

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8691. KINDLE, EDWARD MARTIN, 1869–1940. A note on the migration of the Barren Ground caribou. (Canadian field naturalist, Dec. 1917. v. 31, p. 107–09)

A letter to the author concerning the caribou east of Great Slave Lake in winter 1917, and remarks on the migrations in general.

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8692. KINDLE, EDWARD MARTIN, 1869–1940. Notes on Devonian faunas of the Mackenzie River valley. (American journal of science, Sep. 1916. Ser. 4, p. 42, p. 246–48)

Notes on a fossil coral from Gull Lake (within seventy miles of the arctic coast) placing the Devonian much farther north than previously known. Includes lists of invertebrate fossils from thirty miles northwest of Hope and from south shore of Great Slave Lake.

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8693. KINDLE, EDWARD MARTIN, 1869-1940. Notes on sedimentation in the Mackenzie River basin. (Journal of geology, May-June 1918. v. 26, p. 341-60, illus.)

Results of field work in summer 1917, on Slave River; Great Slave Lake and upper Mackenzie River. Includes a description of the material of the valley floors, relative turbidity, work of the rivers (and the ice of the Mackenzie River) and lake filling.

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8694. KINDLE, EDWARD MARTIN, 1869-1940. Notes on the forests of southeastern Labrador. (Geographical review, Jan. 1922. v. 12, p. 57-71, illus., sketch map) Also published (without illus. and map) in *Canadian forestry magazine* (later called *Forest and out-doors*) June-July, 1922. v. 18, p. 830-31, 902-904.

Observations from a journey in 1921, in the region of Lake Melville and Hamilton River, with references to information in other publications, and remarks on the natives of the area.

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8695. KINDLE, EDWARD MARTIN, 1869-1940. Notes on the Paleozoic faunas and stratigraphy of southeastern Alaska. (Journal of geology, May-June 1907. v. 15, p. 314-37, illus.)

Remarks on the stratigraphic succession and discussion (with lists) of the invertebrate fauna (largely Brachiopoda) found at various places along the coast and in the Alexander Archipelago.

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8696. KINDLE, EDWARD MARTIN, 1869-1940. Notes on the Point Hope spit, Alaska. (Journal of geology, Feb.-Mar. 1909. v. 17, p. 178-89, illus.)

Description of the spit (about 68°20' N. 166°45' W.) and a discussion of the marine agents involved in building and shaping it and the northern coast of Alaska (waves, tides, currents, and the pack ice).

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8697. KINDLE, EDWARD MARTIN, 1869-1940. Observations on ice-borne sediments by the Canadian and other arctic expeditions. (American journal of science, Apr. 1924. Ser. 5, v. 7, p. 251-86, illus.)

Notes on the "tundra climate" prevailing in the North American Arctic, on wind transportation of sediment to sea ice, difference in the melting of sea and fresh-water ice, on floe and berg ice (including its occurrence, behavior and geologic work), life on sea ice.

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8698. KINDLE, EDWARD MARTIN, 1869-1940. Occurrence of the Silurian fauna in western America. (American journal of science, Feb. 1908. Ser. 4, v. 25, p. 125-29)

Includes lists of invertebrate fossils from the lower ramparts of the Porcupine River, and from Kuiv Island, southeastern Alaska.

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8699. KINDLE, EDWARD MARTIN, 1869-1940. Range and distribution of certain types of Canadian Pleistocene concretions. (Geological Society of America. Bulletin, Sept. 1923, v. 34, 609-648, 8 plates)

Includes description of Labrador concretions in the clays of Red River, about twenty-five miles northeast of Grand Lake, in the Lake Melville district of Labrador.

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8700. KINDLE, EDWARD MARTIN, 1869-1940. The section at Cape Thompson, Alaska. (American journal of science, Dec. 1909. Ser. 4, v. 28, p. 520-28)

Description of the formations, lists of fossil plants and invertebrates, and discussion of the age of the beds.

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8701. KINDLE, EDWARD MARTIN, 1869-1940. The terraces of the Lake Melville district, Labrador. (Geographical review, Oct. 1924. v. 14, p. 597-602, illus.)

Part of a study published in full as Kindle, E. M., *The geography and geology of the Lake Melville district, Labrador Peninsula*, 1924, q.v. This part contains discussion of the formation of the terraces and description of their occurrences around the lake, its rivers, and the Backway portion of the lake.

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8702. KINDLE, EDWARD MARTIN, 1869-1940. Unusual type of sandbar. (Pan-American geologist, Feb. 1923. v. 39, p. 15-16, plate)

In Red (now called Red Wine) River, a branch (at 53°35'N. 61°W.) of the Nascaupi River, Labrador.

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KINDLE, EDWARD MARTIN, 1869-1940, *see also* Brooks, A. H., & E. M. Kindle. Paleozoic & associated rocks upper Yukon. 1908.

8703. KING, ALEXANDER, and J. N. JENNINGS. The Imperial College Expedition to Jan Mayen Island. (Geographical journal, Aug. 1939. v. 94, p. 115-34, illus. (sketch map), 4 plates (part fold.) fold. map)

This first expedition to be financed and sent out by the University of London, was carried out under the author's leadership during July-Aug. 1938. He gives here notes on the history of Jan Mayen and a table showing fox-hunting parties, 1906-27, and their results; an account of the 1938 expedition, the ascent of Haakon and Hakluyt Peaks on Beerenburg, a circuit of the mountain, and brief summary of the scientific work in surveying, glaciology, geology, botany, ornithology, marine biology, and cosmic radiation.

Appendices: 1. New place-names on Jan Mayen and corrections to the map (including huts on Jan Mayen).

2. JENNINGS, J. N. The glaciers of Jan Mayen. (This paper appears in this Bibliography under its author's name).

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KING, ALEXANDER, *see also* Russell, R. S., & others. Physiological & ecological studies. 1940.

8704. KING, RICHARD, 1811?-1876. Containing the temperature of animals, birds, fish, trees, and earth at different times and places. (*In:* Back, Sir G. Narrative of the Arctic Land Expedition, 1836. Appendix 6. p. 590-94) Also published as *Temperature of quadrupeds, birds* [etc.] in Edinburgh new philosophical journal, July 1836. v. 21, p. 150-51, table.

Table listing temperatures measured inside specified types of animals, trees and ground under given meteorological conditions, at Great Slave Lake and the arctic estuary of Back River.

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8705. KING, RICHARD, 1811?-1876. The Franklin Expedition. To his Grace the Duke of Newcastle; a letter of appeal. London, J. Churchill, 1860. 4 p. l., [4]-112, [6] p. incl. 2 maps.

A plea from Dr. King for further search for the Franklin party; with newspaper articles of 1859-60 on the history of the search to that date.

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8706. KING, RICHARD, 1811?-1876. The Franklin Expedition from first to last. London, J. Churchill, 1855. xxxviii, [3]-224 p. front., plates, 3 maps.

Correspondence between the author and the British Admiralty and Colonial Office, regarding Dr. King's offers to aid, and his views on, the search for the lost Franklin party; with other letters and newspaper articles, and with excerpts from King's earlier account (1836) of his trip down the Fish (Back) River. Includes considerable comment on the geography, importance of the Back River route to find Franklin, conditions of travel in the region, and on the activities of those (in northern Canada and in London) involved in the Franklin search.

Copy seen: DLC; NNSf.

8707. KING, RICHARD, 1811?-1876. The industrial arts of the Esquimaux. (Edinburgh new philosophical journal, Jan. 1847. v. 42, p. 112-35)

Description of the highly developed manual skill of the Eskimos, especially as represented in their dwellings, and (more briefly) their clothing, weapons, sledges, boats, etc. *Copy seen:* DLC.

8708. KING, RICHARD, 1811?-1876. Narrative of a journey to the shores of the Arctic Ocean, in 1833, 1834, and 1835, under the command of Capt. Back, R.N. London, R. Bentley, 1836. 2 v.: xv, 1, 312; viii, 321 p., 2 fronts., 2 plates incl. map.

King, surgeon and naturalist of the Back expedition that descended the Back River to the arctic coast of Canada, includes much material similar to that contained in Sir George Back's *Narrative of the Arctic Land Expedition*, 1836, q.v., with additional detail on birds, mammals, and fishes, especially as observed near Fort Reliance, and with brief narrative of trip from Lake Winnipeg to York Factory on Hudson Bay on return trip to England.

Includes notes on character, habits, and economic aspects of whitefish (v. 1, p. 144-46), caribou (v. 1, p. 149-56), moose (v. 1, p. 194-98), bears (v. 2, p. 152-77), marmots (v. 2, p. 232-48), beavers (v. 2, p. 249-63), and birds (v. 2, p. 270-84); descriptions of physical geography of areas traversed; notes on the Chipewyan Indians: hunting and fishing methods, food shortage in winter (v. 1, p. 100-176), manufacture of snowshoes and sledges (v. 1, p. 181-84), influence of Hudson's Bay Co. on their welfare (v. 2, p. 49-64), and creation myths (v. 2, p. 109-112); discussion of types of clothing needed for warmth (v. 1, p. 198-201); description of the aurora borealis (v. 2, p. 90-105); and presentation of arguments in favor of the author's proposal for a new land expedition to the Arctic via rivers and lakes reported to lead northeastward from Lake Athabaska (v. 2, p. 285-321).

Map sketches water bodies reported by Indians northeast of Lake Athabaska and shows King's proposed route.

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8709. KING, RICHARD, 1811?-1876. On the industrial arts of the Esquimaux. (Ethnological Society of London. Journal, 1848. v. 1, p. 277-300)

A description, based upon the arctic literature, of the material culture of the Eskimos. Some mention is made of regional divergencies in culture traits.

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8710. KING, RICHARD, 1811?-1876. On the intellectual character of the Esquimaux. (Ethnological Society of London. Journal, 1848. v. 1, p. 127-53)

An essay designed to disprove claims that people of the North, and in particular Eskimos, are intellectually and morally inferior. Adduces evidence in the form of statements from the arctic literature dealing with such subjects as honesty, intelligence, friendliness, and the position of women among the Eskimos.

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8711. KING, RICHARD, 1811?-1876. Polar sea expeditions and polar land journeys. [London, 1844-45] 11 p. map.

Three letters to Sir John Barrow as Secretary to British Admiralty, dated London Dec. 21, 1844, Jan. 8, 1845, and Jan. 31, 1845, respectively. They give King's analysis of English expeditions' unsuccessful attempts to discover a

Northwest Passage; with remarks on the Canadian Arctic Islands, the currents of their waters, and the need for land expeditions; also plan for the latter to explore northern coast of Canada.

Copy seen: DLC (Physical pamphlets, v. 25, no. 14)

KING, RICHARD, 1811?-1876. Temperature of quadrupeds, birds, (etc.) 1836, see the author's *Containing the temperature of animals, birds (etc.)*

KING, RICHARD, 1811?-1876, see also Back, Sir G., & R. King. Meteorology table (Back Land Exped., 1833-35). 1836.

KING, RICHARD, 1811?-1876, see also Children, J. G. *Articulata* (Back Land Exped., 1833-35). 1836.

KING, RICHARD, 1811?-1876, see also Hooker, Sir W. J. List of plants (Back Land Exped., 1833-35). 1836.

KING, RICHARD, 1811?-1876, see also Richardson, Sir J. Zoological remarks (Back Land Exped. 1833-35). 1836.

KING, WILLIAM FREDERICK, 1854-1916, see Canada. Dept. of the Interior. Report upon the title of Canada to islands. 1905.

KINSKY, ELISABETH (von WILCZEK) Gräfin, 1859- , see Wilczek, J. N. Graf v. Gentleman of Vienna. 1934.

KINSKY, ELISABETH (von WILCZEK) Gräfin, 1859- , see Wilczek, J. N. Graf v. Hans Wilczek erzählt. 1933.

KINSKY, ELISABETH (von WILCZEK) Gräfin, 1859- , see Wilczek, J. N. Graf v. Happy retrospect. 1934.

8712. KINZIE, ROBERT A. The Treadwell groups of mines, Douglas Island, Alaska. (American Institute of Mining Engineers. Transactions, 1903, pub. 1904. v. 34, p. 334-86, incl. 7 plates, tables. fold. diagr.)

Description of the gold mining and milling.

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8713. KIPARISOVA, L. Fauna triasovyykh otlozhenii vostochnoi chasti Sovetskoi Arktiki. (Leningrad. Vsesoiuznyi arkticheskiĭ institut. Trudy, 1937. T. 91, p. 135-255, illus., 9 plates) **Title tr.:** Fauna of the Triassic deposits

of the arctic region of the Soviet Union.

A study based on material collected for the Arctic Institute of U.S.S.R., 1934-35, from Olenek Bay, Pronchishcheva Range, the Kharaulakh Mts. and on a small collection from Kolyma Basin and Verkhoyansk Range. Includes descriptions of about seventy forms of Mollusca and Brachiopoda including twenty-seven new species. Bibliography (70 items). Summary in English.

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KIRBY, W. F., *see* Butler, A. G., & W. F. Kirby. List of insects collected by Taylor. 1893.

8714. KIRBY, WILLIAM, 1759-1850. The insects. London, Josiah Fletcher, 1837. xxxix, 325 p., 8 col. plates. (Richardson, Sir J., and others. Fauna boreali-americana, 1829-37, pt. 4)

Contents include Introduction, p. xix-xxvii. Description of system of classification used. Bibliography, p. xxix-xxxix. List, p. 1-325, with synonymy, localities, and description, of species, some new, collected in northern Canada on the Franklin expeditions of 1819-1822 and 1825-1827, together with some insects from other expeditions.

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8715. KIRBY, WILLIAM, 1759-1850. Land invertebrate animals. (*In:* Parry, Sir W. E. Journal of a voyage . . . 1819-20. Supplement to the appendix, 1824. p. cxxiv-cxxix)

Based on insects collected between Sept. 1819-Aug. 1820, at Winter Harbour on Melville Island; a list, with descriptions and notes, of five (including one new) species (a moth, a bee, two dipterans, and a new spider).

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8716. KIRCHENPAUER, GUSTAV HEINRICH. Hydroiden und Bryozoën. (*In:* Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 411-28)

Contains discussion of the previous Greenland records of the two groups, and lists, with locations and distributional notes, of four hydroids and twenty-six species of bryozoans from East Greenland, collected by the Second German North Polar Expedition, 1869-1870.

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8717. KIRCHENPAUER, GUSTAV HEINRICH. Nordische Gattungen und

Arten von Sertulariden. 56 p., 6 plates. (Naturwissenschaftlicher Verein in Hamburg. Abhandlungen, 1884. Bd. 8. Hft. 3) *Title tr.:* Northern genera and species of Sertularia.

Revision and discussion of the northern or arctic groups of hydroids.

Copy seen: DLC.

8718. KIREEV, I. A. Èkspeditsiia na "Malygina". (Sovetskaiia Arktika, 1936, no. 3, p. 92-94) *Title tr.:* The Malygin expeditions.

Brief description of organization and work of the ice-breaker *Malygin* expedition for investigation of the sea route from Dikson Island to Vil'kitsky Strait and from Cape Zhelaniya to Vil'kitsky Strait (the so-called "northern variant"), 1935.

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8719. KIREEV, I. A. Èksperimental'nyi sposob opredeleniia dreifa. (Severnii morskoi put', 1936. No. 5, p. 7-21, diags.) *Title tr.:* The experimental method of definition of the drift.

A discussion of the importance of drift calculation for practical purposes, and a description of some methods used for its determination. Summary in English.

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8720. KIREEV, I. A. Izuchenie rel'efa dna Karskogo moriia. (Leningrad, Vsesoiuznyi arkticheskii institut. Trudy, 1937, T. 83, p. 35-73, tables, diags.) *Title tr.:* Study of the bottom relief of Kara Sea.

Bathymetric studies and measurements taken during the ice-breaker *Sedov* expedition, 1934, between Cape Zhelaniya and Matochkin Shar; with tables showing locations of 971 soundings.

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8721. KIREEV, I. A. K gidrograficheskoi kharakteristike iugo-zapadnoi chasti Karskogo moriia. (Severnii morskoi put', 1938. No. 9, p. 5-16, fold. map, diagr.) *Title tr.:* On hydrographic characteristics of the southwestern part of the Kara Sea.

A discussion of data on depths established in Kara Sea by several expeditions, with a bathymetric map of its southwestern section.

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8722. KIREEV, I. A., *editor*. Karskoe more s prolivami i more Laptevskh. Leningrad, Gidrometeorologicheskoe izd-

vo, 1937. 144 p. fold. maps, tables. (International Polar Year. 2d, 1932-1933. Gidrologicheskie nablūdeniia morskikh ėkspeditšii 2-go MPG. Vyp. 4-5) **Title tr.:** Kara Sea with the straits, and Laptev Sea. (Hydrological observations of the Second International Polar Year. Sea expeditions in 1932-1933. v. 4-5).

Brief reports (p. 7-19) on ice conditions as observed from various Russian ships in this region, and tabular data (p. 33-144) giving results of deep-sea observations taken mostly in Kara Sea with a chart indicating location of the observation stations. **Contents tr.:** PROTOPOPOV, I. D. State of ice in the Kara Sea in 1932.

VIZE, V. Iu. State of ice in the Kara Sea in 1933.

PROTOPOPOV, I. D. State of ice in the Laptev Sea, 1932-1933.

INTERNATIONAL POLAR YEAR. 2d, 1932-1933. Gidrologicheskie nablūdeniia morskikh ėkspeditšii 2-go MPG. Tables [of deep sea observations].

Each paper appears in this bibliography under its author's name. Summary in English (p. 20-32).

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8723. KIREEV, I. A. Nekotorye geologicheskie geomorfologicheskie pokazateli v dele gidrograficheskogo izucheniia Karskogo moriia. (Severnii morskoi put', 1940. No. 15, p. 25-35, illus., map) **Title tr.:** Some geological and geomorphological evidence from the hydrological study of Kara Sea.

A short geological description of several Kara Sea islands (based on observations made by S. V. Kalesnik, during the voyage of the ice-breaker *Malygin*, 1937), given as indications of the general geological structure of the sea bottom.

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8724. KIREEV, I. A. Obshchee opisanie rabot gidrograficheskoi gruppy. (Leningrad. Vsesoĭuznyi arkticheskii institut. Trudy, 1937. T. 83, p. 7-19, illus. (maps)) **Title tr.:** A general description of work done by the hydrographic group.

A description of work done during the Arctic Institute of U.S.S.R. expedition on the ice-breaker *Sedov*, 1934; with information on surveying the islands Vize and Uyedineniya in Kara Sea.

Copy seen: DLC.

8725. KIREEV, I. A. Povedenie magnitnogo kompasa v vysokikh shirotakh. (Po nablūdeniiaim v ėkspeditšii na l/p "Malygin" v 1937 godu). (Severnii morskoi put', 1940. No. 16, p. 5-34, diagrs.) **Title tr.:** Behavior of the magnetic compass in high latitudes (from observations by the expedition on the ice-breaker *Malygin* in 1937).

A discussion of magnetic compass deviations, their irregularities, with data in tabular and diagrammatic form.

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8726. KIREEV, I. A. Schislenie pri gidrograficheskikh rabotakh v Arktike. (Severnii morskoi put', 1937. No. 6, p. 53-80, maps, diagr.) **Title tr.:** Dead reckoning in connection with the hydrographical work in the Arctic.

A discussion of difficulties, peculiar to the Arctic, in establishing exact geographic locations; with some tables and examples for corrective calculations in establishing the exact coordinates, and (as an illustration) remarks on the discrepancies in the location given for Uyedineniya Island. Summary in English.

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8727. KIREEV, I. A. Vetrovoi dreif ledokol'nogo parokhoda "Sedov" pri plavanii v razrezhennoi l'du. (Severnii morskoi put', 1936. No. 4, p. 5-35, diagrs.) **Title tr.:** Winddrift of the ice-breaker "Sedov" while navigating sparse ice.

Analytical calculation of the wind-drift factors during the voyage of the ice-breaker *Sedov*, 1934, the wind's influence on the ship (1) when under power, and (2) with engines stopped. Summary in English.

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8728. KIREEV, I. A., editor. Vostochno-Sibirskoe i Chukotskoe moriia, Beringov proliv i Beringovo more. Leningrad, Red.-izd. otd. TSUEGMS, 1936. 179, [1] p. maps (part fold) tables. (International Polar Year. 2d, 1932-1933. Gidrologicheskie nablūdeniia morskikh ėkspeditšii 2-go MPG. Vyp. 6-7) **Title tr.:** East-Siberian and Chukchee Sea, Bering Strait, and Bering Sea. (Hydrological observations of the Second International Polar Year Sea Expeditions in 1932-1933, v. 6-7)

Seven reports (p. 5-35) with maps on ice conditions observed from various Russian ships in this region; and tabular data (p. 60-180) giving results of

oceanographic work carried on from the same (and a few other) vessels. Included in the volume is a folded map showing locations of the Second International Polar Year hydrological stations in these waters. **Contents tr.:**

EVGENOV, N. I. State of ice in the East-Siberian Sea in 1932-33.

PROTOPOPOV, I. State of ice in the East-Siberian Sea in 1932.

RATMANOV, G. E. State of ice in the Bering Strait and Chukchi Sea in 1932.

RATMANOV, G. E. State of ice in the Chukchi Sea in 1933.

EVGENOV, N. I. State of ice in the Bering Strait and Chukchi Sea in 1932-33 on the way to the mouth of River Kolyma.

PROTOPOPOV, I. D. State of ice in the Chukchi Sea and in the Bering Strait in 1932.

GRUM-GRZHIMAILO, M. M. State of ice in the Bering Strait and Chukchi Sea in 1932.

INTERNATIONAL POLAR YEAR. 2d, 1932-33. Gidrologicheskie nablüdeniia morskikh ekspeditiï 2-go MPG. Tablitsy.

Each paper appears in this bibliography under its author's name. Summary in English (p. 36-59).

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8729. KIREEVA, M. S., and T. F. SHCHAPOVA. Otchet o statSIONarnykh rabotakh po izucheniiu iodynykh vodoroslei, proizvedennykh otdelom donnykh vodoroslei Gosudarstvennogo okeanograficheskogo instituta v 1931 g. (Gosudarstvennyi okeanograficheskii institut. Moskva. Trudy, 1933. T. 3, vyp. 3, p. 29-49, illus. (maps), tables, diagrs.) **Title tr.:** Report on stationary work in the study of iodine-bearing algae undertaken by the Department of Bottom Algae of the State Oceanographic Institute in 1931.

A study of the rate of growth and the speed of reproduction of iodine-bearing algae, made at Kola Bay and off Kildin Island in Barents Sea. Summary in English. **Copy seen:** DLC.

8730. KIREEVA, M. S., and T. F. SHCHAPOVA. Temp rosta, vozrast i sporonoshenie *Laminaria saccharina* i *Laminaria digitata* Kol'skogo zaliva. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1938.

T. 7, p. 29-58, map, diagrs.) **Title tr.:** Rates of growth, age and spore-bearing of *Laminaria saccharina* and *L. digitata* in Kola Fjord.

Results of field studies made for the Moscow Oceanographic Institute in 1931 in Kola Bay, Barents Sea, containing information on the reproduction and growth of these algae with some discussion of factors influencing the processes. Bibliography (25 items). Summary in English.

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8731. KIRICHENKO, ALEKSANDR NIKOLAEVICH, 1884-. Poluzhestkokrylyia (Hemiptera-Heteroptera). Petrograd, 1916. 11 p. illus. (Ekspeditiia brat'ev Kuznetsovykh na poliarnyi Ural, 1909. Resultats scientifiques. Livr. 19, Pub. as: Akademiia nauk SSSR. Memoires. Ser. 8, classe physico-mathematique, vol. 28, no. 19) **Title tr.:** The true bugs (Hemiptera-Heteroptera). (Scientific results of the Expedition of the Kuznetsov Brothers to the Arctic Ural, 1909).

A systematic list, with references, localities, of eighteen species of true bugs collected by the Kuznetsov Expedition, followed by discussion of the distribution of the bugs, with brief list of species found by others elsewhere in the Arctic, (forty-three in all). Selected bibliography (7 items) and bibliographical footnotes.

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KIRILLOV, F. N., see Mikhin, V. S., & F. N. Kirillov. Sistematischeskaia kharakteristika treski. 1937.

8732. KIRILLOV, N. V. Ahiaska i eiä otnoshenie k Chukotskomu poluostrovu. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1912. T. 48, p. 295-341) **Title tr.:** Alaska and its relation to the Chukotsk Peninsula.

A survey, based primarily on official American reports, of Alaska's geography, population, administration, agriculture, reindeer-raising, whaling, hunting, fishing, mining, transportation and communication, education, public health, trade, army posts, and Nome, with conclusions (p. 295-337). The activities of the Siberian Northeast Company, and the presence of the town of Nome, are shown as bringing Alaskan influences to the aborigines across the straits (p. 337-41).

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8733. KIRIUSHINA, M. T. Geomorfologiya i chetvertichnye otlozheniya severo-vostochnoi chasti Chukotskogo poluostrova. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 131, p. 7-47, illus., 2 fold. maps, fold. table) *Title tr.*: Geomorphology and Quaternary deposits of the northeastern part of Chukotsk Peninsula.

A study based on the author's observations 1935-36, with chapters on orography and morphology of the area between 65°15'-66°55'N. 170°30'-172°45'W.; its rivers and lakes; Quaternary deposits; terraces and shore lines; on the history of the Quaternary period in the region; and on the possibility of heavy minerals occurring in the Quaternary deposits. *Copy seen*: DLC.

8734. KIRIUSHINA, M. T. Koriat'skaia ekspeditsiia, 1937 goda. (Problemy Arktiki, 1937, no. 4, p. 135-36) *Title tr.*: Expedition to the Koriatsk Mountains in 1937.

A note on the Arctic Institute U.S.S.R. expedition under the leadership of I. G. Nikolaev, its plans to conduct geological and topographical surveys and to prospect for coal, petroleum and natural gasses. Summary in English, p. 179. *Copy seen*: DLC.

KIRIUSHINA, M. T., *see also* Vasil'ev, V. G., & others. Dva goda v tundre. 1935.

8735. KIRK, EDWIN, 1884-. *Bathmopterus*, a new fossil gasteropod genus from the Silurian of Alaska. (*In*: U. S. National Museum. Proceedings, 1929. v. 74, art. 18. 4 p., plate)

Description of a new species based on specimens from Willoughby Island, Glacier Bay, southeastern Alaska.

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8736. KIRK, EDWIN, 1884-. *Brooksina*, a new pentameroid genus from Upper Silurian of southeastern Alaska. (*In*: U. S. National Museum. Proceedings, 1922. v. 60, art. 19. 8 p., plate)

Full description of a new genus and type species of fossil brachiopod, with some discussion of its faunal affinities, and of the horizon in which the numerous specimens were found (on Kosciusko and Heceta Islands).

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8737. KIRK, EDWIN, 1884-. *Cymbidium*, a new genus of Silurian pen-

tameroid brachiopods from Alaska. (*In*: U. S. National Museum. Proceedings, 1927. v. 69, art. 23. 5 p., plate)

Discussion of the faunal sequence in southeastern Alaska, and descriptions of the new genus represented by two species of which specimens were collected by the author on Kosciusko Island. *Copy seen*: DLC.

8738. KIRK, EDWIN, 1884-. *Harpidium*, a new pentameroid brachiopod genus from southeastern Alaska. (*In*: U. S. National Museum. Proceedings, 1925, pub. 1926. v. 66, art. 32. 7 p., 2 plates)

Descriptions of three species of this new brachiopod found in the limestone series (on Heceta and Kosciusko Islands, southeastern Alaska) characterized by another new brachiopod described in the author's *Brooksina*, 1922, q.v. *Copy seen*: DLC.

8739. KIRK, EDWIN, 1884-. Notes on an early collection of Paleozoic fossils from Ellesmereland. (*American journal of science*, Nov. 1925. Ser. 5, v. 10, p. 445-47)

Notes on the possible age of four Ordovician and six Devonian invertebrates collected by Dr. Hayes on the west shore of Kennedy Channel, and described by F. B. Meek in 1865.

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8739A. KIRK, EDWIN, 1884-. Ordovician, Silurian, and Devonian of Alaska. (*In*: Paleontological Society. Symposium on arctic and sub-arctic geology and paleontology, 1928. *Pub. in*: Geological Society of America. Bulletin, Mar. 1929. v. 40, p. 227-29) Abstract of a paper read before the Paleontological Society, Dec. 1928.

Description in brief of stratigraphic units represented and comparison of them in Seward Peninsula, the Yukon-Porcupine area, and in southeastern Alaska, with discussion of Paleozoic geography of the northeastern Pacific Ocean. *Copy seen*: DGS.

8740. KIRK, EDWIN, 1884-. *Pycnodesma*, a new molluscan genus from the Silurian of Alaska. Washington, U. S. Govt. Print. Off., 1927. 9 p. 2 plates. (U. S. National Museum. Proceedings. v. 71, article 20)

Descriptions of *Pycnodesma giganteum* and *P. benjamini*, n. g. and n. spp. from the "uppermost stratigraphic

unit of the Silurian in Southeast Alaska", sediments occurring also on Seward Peninsula and "probably in the upper Yukon Valley in the Fairbanks region".
Copy seen: DLC.

8741. KIRK, ROBERT C. Twelve months in Klondike. London, W. Heinemann, 1899. xii, 273 p. illus., 24 plates, incl. map., port.

Story of the Klondike Gold Rush, 1897, with description of the White and Chilkoot Pass trails, of Dawson, the gold fields, dogs and other means of transportation, the Indians, hunting, fishing, and geographic features.

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8742. KIRKPATRICK, R. Notes on the tunicata *Rhizomolgula globularis* Pallas. Results of the Oxford University Expedition to Spitsbergen, 1921, no. 24. (Zoological Society of London. Proceedings, Apr. 1923. p. 155-57, plate) Issued also as Oxford University, *Spitsbergen papers*, 1925. v. 1, no. 14.

Contains description, and discussion of distribution, of a species (twenty-six specimens) collected at Klaas Billen Bay, just above low-tide mark.

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8743. KIRKPATRICK, R., and A. K. TOTTON. Appendix. Polyzoa, Tunicata, Hydroida. (In: Oxford University. *Spitsbergen papers*, 1925. v. 1, no. 33, 2 p.) Results of Oxford University Expedition to Spitsbergen, 1921.

Contents: Kirkpatrick, R. Polyzoa (list with locations, of sixteen species of bryozoans). Tunicata (four species from Bear Island).

Totton, A. K. Hydroida (list, with habitats and locations, of four species).

Localities listed include Walrus Bay on Bear Island, Richard Lagoon and Freshwater Bay, Prince Charles Foreland, and head of Klaas Billen Bay.

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8744. KIRPICHNIKOV, A. A. Morskii l'dy i migratsii nekotorykh mlekopitaiushchikh. (Zoologicheskii zhurnal, 1938. T. 17, vyp. 2, p. 273-79) **Title tr.:** Sea ice and the migrations of some mammals.

Contains a study of the migration, from mainland over fast ice to islands, of foxes, bears, lemmings, reindeer, etc., for seasonal or permanent stay. Discussion of role of the ice cover as

an ecological and zoogeographic factor. Bibliography (32 items). Summary in English.

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8745. KIRPICHNIKOV, A. A. Nekotorye materialy po zveroboinomu promyslu v Belom more. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut ozernogo i rechnogo khoziaistva. Izvestiia, 1932. T. 13, vyp. 2, p. 167-72) **Title tr.:** Seal catching in the White Sea.

Account of a sealing expedition with the ice-breaker *Rusanov*, 1931; description of hunting methods and results of catch.

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8746. KIRPICHNIKOV, V. S. Biologicheskii ocherk korushki Belogo moria, Cheshskoi guby i r. Pechory. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut rybnogo-khoziaistva i okeanografii. Trudy, 1935. T. 2, p. 101-194, tables, diagrs.) **Title tr.:** A biological and systematic description of smelt from the White Sea, Cheshskaya Bay and Pechora River.

Data (over the period about 1921-29) on sizes, weights, distribution, rate of growth, etc. Bibliography (90 items). Summary in German.

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KIRSCH, GERHARD, see Holzapfel, R., & G. Kirsch. Über d. Oberflächenwellen Inlandeises. 1934.

8747. KIRSCHNER, CHARLES E. 1920-. The geology and petroleum possibilities of the Iniskin Peninsula, Alaska. Washington, 1948. 27 l. 2 fold. diagrs., fold. map. (U. S. Geological Survey. Reports; open file series. No. 8) Typescript.

Contains note on development of petroleum in the area 59°35'-50'N. 153°-153°25'W. (on west side of Cook Inlet), description of its stratigraphy, intrusive rocks, structure, petroleum source rocks, reservoir beds and accumulation.

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8748. KIRSCHNER, CHARLES E. 1920-, and D. L. MINARD. Geology of the Iniskin Peninsula, Alaska. Washington, 1949. Map with text. (U. S. Geological Survey. Oil and gas investigations; preliminary map no. 95)

Based on the author's field work. May-Sept. 1946, in an area on the west side of Cook Inlet, about 59°39' to 50'N. 153° to 153°25'W., and on previously

published literature. Contains text on stratigraphy, structure, petroleum development and possibilities, and geologic map, scale about 1:50,000 with columnar and cross sections (in detail).

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8749. KISELEV, IVAN ALEKSANDROVICH, 1888- . Fitoplankton Belogo moriâ. (Issledovaniâ morei SSSR, 1925. Vyp. 2, p. 1-43, illus. 3 plates, map) **Title tr.:** Phytoplankton of the White Sea.

Contains historical data on the exploration of the microflora of the White Sea, an ecological study of plant associations, a comparison of phytoplankton of the White Sea and a systematic enumeration of one hundred forty-seven forms, including some new ones; based on material collected from thirty-nine stations by the White Sea expedition of Prof. K. M. Deriugin in 1922-23; bibliographical references in footnotes. Summary in German.

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8750. KISELEV, IVAN ALEKSANDROVICH, 1888- . Fitoplankton ozer tsentral'noi Iakutii po materialam limno-s'emki 1932 g. (Leningrad. Gosudarstvennyi gidrologicheskii institut. Issledovaniâ ozer SSSR, 1935. Vyp. 8, p. 51-84, illus.) **Title tr.:** The phytoplankton of lakes of central Yakutia according to the limnological survey of 1932.

Results of studies made in the region of the watershed between Lena and Aldan Rivers (60°30'-61°31'N. and 130°31'-131°31'E.) July-Aug. 1932. Summary in German.

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8751. KISELEV, IVAN ALEKSANDROVICH, 1888- . K voprosu o raspredelenii i o sostave fitoplanktona v Barentsovom more. (In: Leningrad. Nauchno-issledovatel'skii institut 'po izucheniiu Severa. Trudy, 1928. Vyp. 37, p. 28-42, illus., tables, (fold.)) **Title tr.:** Contribution to the question of distribution and composition of the phytoplankton in the Barents Sea.

Results of studies of phytoplankton samples taken by the Northern Scientific and Economic Expedition, 1920-1926, in Barents Sea, (along the 33°30' meridian), listing eighty-eight (including one new) species taken in May and August, 1921. Summary in English.

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8752. KISELEV, IVAN ALEKSANDROVICH, 1888- . Materialy po mikroflore iugo-vostochnoi chasti moriâ Laptevykh. (Issledovaniâ morei SSSR, 1932. vyp. 15, p. 67-103, illus., (incl. map)) **Title tr.:** Materials on the microflora of the southeastern part of Laptev Sea.

Contains an ecological study of plankton plant associations, a systematic enumeration of two hundred thirty-six species of algae and diatoms, including fourteen Russian and (in summary) German diagnoses of new species, collected by the Yakut Expedition of the Academy of Sciences in Laptev Sea in 1926-27, and a bibliography (46 items). Summary in German, p. 95-100.

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8753. KISELEV, IVAN ALEKSANDROVICH, 1888- . Nekotorye dannye o fitoplanktone v severo-vostochnoi chasti Karskogo moriâ. (In: Taimyrskaiâ gidrograficheskaiâ èkspeditsiâ, 1932. Trudy, 1935. Ch. 2, p. 191-202, incl. tables) **Title tr.:** Some data on the phytoplankton in the northeastern parts of Kara Sea. (Taimyr Hydrographic Expedition, 1932)

Contains discussion of their relation to temperature and salinity and an annotated list, with station localities of fifty-eight species of diatoms and other phytoplankton from various depths in Shokalsky Strait and the deep part of the sea.

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8754. KISELEV, IVAN ALEKSANDROVICH, 1888- . Sostav i raspredelenie fitoplanktona v severnoi chasti Beringova i iuzhnoi chasti Chukotskogo morei. (Issledovaniâ morei SSSR, 1937, vyp. 25. Issledovaniâ Dal'nevostochnykh morei, vyp. 5, p. 217-45, illus.) **Title tr.:** Content and distribution of phytoplankton in the northern part of the Bering Sea and southern part of the Chukchi Sea.

Contains an ecological study of phytoplankton of the region and a systematic enumeration of the species, based on the material collected by two expeditions, organized in 1932 and 1933, by the State Hydrological Institute, and the Pacific Institute of Fisheries; a special list of the species "very rare" for the region explored, and a bibliography, p. 242-43. Summary in German.

Copy seen: NN.

KISELEV, IVAN ALEKSANDROVICH, 1888- , see also Virketis, M. A., & I. A. Kiselev. O planktone Cheshskoi guby. 1933.

8755. KISELEV, O. N. Nekotorye dannye po morfologii iskopaemykh lednikov Krestovoi guby. (Vsesoiuznoe geograficheskoe obshchestvo, Izvestiia, 1941. T. 73, vyp. 3, p. 470-72, map) **Title tr.:** Some data on the morphology of underground glaciers at Krestovaya Bay.

Note on the outcropping of fossil glaciers as observed by the author in the region Krestovaya Bay, Novaya Zemlya.

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8756. KISELEVA, E. F. K faune komarov zapadnoi chasti Taymyrskogo poluoostrova. (Tomsk. Universitet. Biologicheskii nauchno-issledovatel'skii institut. Trudy, 1936. T. 2, p. 132-35) **Title tr.:** Mosquito fauna of the western part of the Taymyr Peninsula.

Notes on five species of mosquitoes, collected on Taymyr between Yenisey Bay and Cape Chelyuskin.

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8757. KISELEVA, E. V. Saika (*Boreogadus saida* Lepechin) iz Obsskoi Guby. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo", 1940. Vyp. 10, p. 103-112, tables, diags.) **Title tr.:** Pollack (*Boreogadus saida* Lepechin) of Ob Bay.

Biometrical report on specimens of this fish from Ob Bay, and comparison of data with those of previous investigators.

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8758. KISELEVA, E. V. Vozrast i temp rosta nalima [*Lota lota* (L.)] Gydanskogo zaliva. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo", 1941. Vyp. 15, p. 57-61, tables, diags.) **Title tr.:** The age and growth rate of ling [*Lota lota* (L.)] in Gydanskiy Bay.

Based on collections made for the Arctic Institute U.S.S.R., 1934-1937. Bibliography (5 items).

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8759. KISELEVA, E. V. Vozrast i temp rosta nel'my [*Stenodus leucichthys nelma* (Pallas)] Gydanskogo za-

liva. (Leningrad. Nauchno-issledovatel'skii institut poliarnogo zemledeliia, zhivotnovodstva i promyslovogo khoziaistva. Seria "Promyslovoe khoziaistvo", 1941. Vyp. 15, p. 83-87, tables) **Title tr.:** Age and growth rate of Gydanskiy Bay salmon. [*Stenodus leucichthys nelma* (Pallas)].

Based on one hundred seventeen specimens taken for the Arctic Institute U.S.S.R., 1935-37. Bibliography (7 items).

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8760. KISHINOUE, K. A new species of stalked medusae, *Halicystus stejnegeri*. Contributions to the natural history of the Commander Islands, no. 13. (U. S. National Museum. Proceedings, 1900. v. 22, p. 125-29, illus.)

Description of a new species, based on specimens from waters off Bering Island, collected by Leonhard Stejneger in 1897; with a table showing characteristics of all four known species.

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8761. KISSLER, FRIEDRICH. Eisgrenzen und Eisverschiebungen in der Arktis zwischen 50° West und 105° Ost im 34 jährigen Zeitraum 1898-1931. (Beiträge zur Geophysik, 1934. Bd. 42, p. 12-55, maps, diags.) **Title tr.:** Ice boundaries and ice fluctuations in the Arctic between 50° West and 105° East in the 34-year period 1898-1931.

A discussion of the geophysical factors which affect the distribution and movement of ice-covering in the arctic waters. Summary in English.

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8762. KITCHENER, L. D. The fighting "earth movers." (Alaska life, July 1944. v. 7, no. 7, p. 3-16, incl. 6 p. of illus.)

General account of work done by U.S. Army Engineers building air bases, roads, and railroad beds in Alaska and the Aleutian Islands during World War II.

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8763. KITTL, ERNST. Die Triasfossilien vom Heureka Sund. Kristiania. A. W. Brøgger, 1907. 44 p. 3 plates. (Norske videnskaps-akademi, Oslo. Report of the Second Norwegian Arctic Expedition in the *Fram*, 1898-1902, v. 2, whole series, no. 7) **Title tr.:** Triassic fossils from Eureka Sound.

Descriptions of the beds, and list, with references to literature, localities and descriptions, of thirty (including

one new) species collected on southwest Ellesmere Island and small adjacent islands. *Copy seen:* DLC.

8764. KITTLITZ, FRIEDRICH HEINRICH, Freiherr von, 1799-1874. *Denkwürdigkeiten einer Reise nach dem russischen Amerika, nach Mikronesien und durch Kamtschatka.* Gotha, J. Perthes, 1858. 2 v.: xvi, 383 p.; 2 l., 463 p. fronts., illus., 4 plates. *Title tr.:* Reminiscences of a journey to Russian America, Micronesia and through Kamchatka.

The author was ornithologist of the Litke round-the-world voyage, 1826-29, in the *Seniavin*. During the summer of 1827 the vessel visited Sitka, cruised west to the Aleutian Islands, the seal islands, St. Matthew and Commander Islands, finally reaching Petropavlovsk-Kamchatskiy, where it remained Sept.-Oct., 1827. In June 1828 they again visited Kamchatka, where the author traveled extensively until November in the mountains and along the rivers of the south central region. His reminiscences include descriptions of the marine fauna and birds, the vegetation, countryside and peoples of Sitka and Kamchatka. *Copy seen:* DLC; NNStef.

8765. KITTLITZ, FRIEDRICH HEINRICH, Freiherr von, 1799-1874. Twenty-four views of the vegetation of the coasts and islands of the Pacific, with explanatory descriptions taken during the exploring voyage of the Russian corvette "Senjavin" under the command of Capt. Lütke, in the years, 1827, 1828, & 1829. London, Longman, Green, Longman, and Roberts, 1861. x, 68 p. 24 plates. Translated from the German and edited by Berthold Seeman.

Contains an introduction by the translator, and text to explain the plates. Includes (p. 53-65, and plates 17-22) Kamchatka: meadow in the Avacha River district, forest on the upper Kamchatka River, pine and deciduous forests on the central Kamchatka River, woody mountains, and grassy plains in the Bolshaya River district. *Copy seen:* DLC; NNStef.

KITTLITZ, FRIEDRICH HEINRICH, Freiherr von, 1799-1874, see also Finsch, O. *Zur Ornithologie Nordwest-Amerikas.* 1873.

8766. KITTO, FRANKLIN HUGO, 1880- . The survival of the American

bison in Canada. (Geographical journal, May 1924. v. 63, p. 431-37, plate, map)

Discussion of the present range of the bison between Great Slave and Athabaska Lakes, remarks on its physical characteristics, and establishment of the area as a game sanctuary, Wood Buffalo Park. *Copy seen:* DLC.

KITTO, FRANKLIN HUGO, 1880- , *see also* Canada. Dept. of the Interior. Natural Resources Intelligence Branch. 1929.

KITTO, FRANKLIN HUGO, 1880- , *see also* Canada. Dept. of the Interior. Northwest Territories & Yukon Branch. Yukon, land of Klondike. 1929.

8767. KIZER, BENJAMIN HAMILTON, 1878- . The North Pacific International Planning Project. Based on memoranda by J. C. Rettie [and others] New York [1942] 39 l. (Institute of Pacific Relations. American Council. American Council paper no. 2) Process print.

"Submitted by the American Council as a document of the eighth conference of the IPR to be held in December, 1942." Also published as, *The U. S.-Canadian Northwest*, 1943.

The area of the project covers Alaska, Yukon Territory, adjoining parts of Northwest Territories and Alberta, and that part of British Columbia north of the Canadian National Railway.

This document discusses the problems, international collaboration, and future fields of collaboration in national security, transportation, settlement, industry, agriculture, and trade; gives a statement of the organization and objectives of the planning project; and a brief sketch of geography, resources, and economy of the North Pacific area (Alaska and British Columbia).

Copy seen: DLC; NNStef.

8768. KIZER, BENJAMIN HAMILTON, 1878- . The U. S.-Canadian Northwest, a demonstration area for international postwar planning and development. Princeton, N. J., Princeton University Press; London, H. Milford, Oxford University Press; [etc., etc.] 1943. xvi, 71 p. 4 maps (3 fold.)

"This study was originally made at the request of the American Council, Institute of Pacific Relations, Inc., and submitted by it as one of the docu-

ments of the eighth conference of the Institute, held at Mont Tremblant, Quebec, in December, 1942."—Foreword.

Trade publication, with slight changes and the addition of maps, of the author's *The North Pacific International Planning Project*, 1942, q.v.

Copy seen: DLC; NNS Stef.

8769. KIZEVETTER, I. V. Tekhnokhimicheskaiâ kharakteristika dal'nevostochnykh promyslovykh ryb. Vladivostok, 1942. 225, [3] p. illus., tables, diagrs. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozâistva i okeanografii. Izvestiâ, t. 21) *Title tr.:* Technical and chemical characteristics of Far Eastern commercial fish.

A detailed study of food value and other qualities, and results of analyses of the chemical composition of Far Eastern varieties of salmon, herring, cod, plaice, and other fish important for the fisheries of Kamchatka Province and Kamchatka Peninsula. Bibliography (580 items). *Copy seen:* DLC.

8770. KIZEVETTER, I. V. Vesovye sootnosheniâ i khimicheskii sostav tela kamchatskogo kraba (Paralitodes camtschatica). (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozâistva i okeanografii. Izvestiâ, 1939. T. 17, p. 111-22) *Title tr.:* Relative body weights of the Kamchatka crab and its chemical composition.

Results of chemical analyses of various parts of the Kamchatka crab's body and study of the chemical characteristics of by-products of the crabbing industry. Bibliography (15 items).

Copy seen: DLC.

KIZEVETTER, I. V., *see also* Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozâistva i okeanografii. Materialy po biologii [etc.] kamchatskogo kraba. 1945.

KJAER, H., *see* Schultz-Lorenzen, C. W., & H. Kjaer. Lektor i grønlandsk, Christian Rasmussen. 1918.

KJAER, JOHAN ALBERT JULIUS, 1852- , *see* Rygh, O., & others. Norske gaardnavne. 1897-1924.

8771. KJAER, ROLF, 1897- . Farvannsbeskrivelse over kysten av Bjørnøya. Oslo, J. Dybwad. 1929. 24 p. illus., fold. plate. (Norway. Norges Svalbard-og Ishavs-undersøkelser. Meddelelse nr.

6) *Title tr.:* Sailing directions for the coasts of Bear Island.

Contains notes on geography, climate, ice conditions, geology, plants and animals (with game regulations), colonization and settlement; directions for sailing from Norway, general notes, information on harbors and landings, currents, tides, dangers, and supplies (fuel, water, post and telegraph); with summary of distances and list of charts.

Copy seen: NNA.

8772. KJAER, ROLF, 1897- . Norges Svalbard-og Ishavs-undersøkelser ekspedisjoner sommeren 1930. Ekspedisjonen til Svalbardfarvannene. (Norsk geografisk tidsskrift, 1930-31, pub. 1931. Bd. 3, p. 390-92, sketch map) Issued also as Norges Svalbard-og Ishavs-undersøkelser Meddelelse nr. 13, pt. 1. *Title tr.:* Expeditions sponsored by Norges Svalbard-og Ishavs-undersøkelser (the Norwegian Office for Svalbard and arctic seas Research) 1930. The Expedition to the Svalbard waters.

Brief report of the Norwegian Expedition to Svalbard waters in 1930, under Rolf Kjaer, to make oceanographic and meteorological investigations in the region between Bear Island and West Spitsbergen and tidal observations on the Bear Island coasts. Gives a summary account of the voyage in the *Michael Sars* and of scientific investigations made. *Copy seen:* DLC.

8773. KJAER, ROLF, 1897- , and J. E. FJELDSTAD. Tidal observations in the Arctic. Oslo, J. Dybwad, 1934. 29 p. incl. tables, illus., photos., diagrs. (Norway. Norges Svalbard-og Ishavs-undersøkelser. Skrifter. Nr. 14)

Contents: Kjaer, Rolf. Observations, p. 7-15. Fjeldstad, J. E. Results, p. 17-29. Based on data from Bear Island, 1930, from Finnsbu, southeast Greenland, 1932, and from Little Finch Island, East Greenland, 1933.

Copy seen: DLC.

KJAER, ROLF, 1897- , *see also* Norway. Norges Svalbard-og Ishavs-undersøkelser. Survey of Bjørnøya 1922-1931. 1944.

8774. KJAERBØLLING, NIELS, 1806-1871. Skandinaviens fugle, med særligt hensyn til Danmark og de nordlige lande. Af N. Kjaerbølling. 2. fuldstændigt omarb. udg. Ved Jonas Collin. Kjø

benhavn, A. Jørgensen, 1875-79. 6 p. l., [vii]-li p. 1 l., 838, [2] p. and atlas of 106 col. plates.

First edition published 1847-52, under title "Danmarks fugle." Text has also special t.-p. Title of atlas varies slightly.

Collation of atlas: lv (i.e. 61) plates, xxii, xxxiii, xl, li being duplicated in numbering, xxviii repeated three times; 1 suppl., 35 plates; 2 suppl., 8 plates; all these published 1875-77; 2 extra plates published 1879. **Title tr.:** The birds of Scandinavia, with special reference to Denmark and the northern colonies. By N. Kjaerbølling. Second completely revised edition. By Jonas Collin.

Contains a detailed description of the birds of Sweden, Norway and Denmark, also of The Faroes, Iceland and Greenland; their habitats, distribution, breeding places, and other ornithological data; names of birds in Latin, Danish, and the languages of the countries or regions where found. Includes index of Greenlandic and Icelandic bird names, also names of birds in The Faroes (in Faroish); with prefaces by the author, and by the editor of the second edition.

Copy seen: DLC; NNN.

8775. KJELLMAN, FRANS REINHOLD, 1846-1907. The algae of the arctic sea. A survey of the species, together with an exposition of the general characters and the development of the flora. Stockholm. P. A. Norstedt & Söner. 1883. 350 p. 1 l. incl. tables. 31 plates. (Svenska vetenskapsakademien. Handlingar, 1882-83, pub. 1883. Bd. 20, no. 5) Also published in Swedish as the author's *Norra Ishafvets algflora*, 1883.

Contains definition and division of the arctic sea, characteristics in general of circumpolar seas, peculiarities, composition and history of the arctic flora, conditions of life of marine algae; systematic list of about nine hundred algae with synonymy, critical notes, description of many new species and data on habitat and geographical distribution, bibliography (184 items) and index of the forms; based mostly on the author's own exploration 1872-80 of arctic regions, particularly during the *Vega* expedition, also on herbarium material and the literature.

Copy seen: DLC; MH.

8776. KJELLMAN, FRANS REINHOLD, 1846-1907. Asiatiske Beringsunds-kustens fanerogamflora. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 473-572, 2 plates) **Title tr.:** The phanerogams of the Asiatic coast of Bering Strait.

Contains discussion and list, with synonyms, locations, notes on distribution, and some descriptions, of two hundred twenty-one species of flowering plants found at Konyam (now Penkney) Bay and St. Lawrence Bay on the eastern coast of the Chukotsk Peninsula.

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8777. KJELLMAN, FRANS REINHOLD, 1846-1907. Bidrag till kännedomen af Kariska hafvets algvegetation. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1877. Årg. 34, no. 2, p. 3-30, plate) **Title tr.:** Contribution to the knowledge of the algal vegetation of Kara Sea.

Contains a systematic list of twenty-five species of algae collected by various explorers (particularly by the Swedish expedition to the Yenisey in 1875) in the Kara Sea and along its coasts. Includes *Lithophyllum arcticum*, n. sp., native to Novaya Zemlya and West Spitsbergen waters.

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8778. KJELLMAN, FRANS REINHOLD, 1846-1907. Fanerogamer från vest-eskimäernas land. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 2, p. 25-60, plate) **Title tr.:** Phanerogams from the land of the Western Eskimos.

List, with synonyms and remarks, of one hundred ninety-four species of flowering plants from Port Clarence, Seward Peninsula, collected Aug. 22-26, 1879, during the *Vega* Expedition.

Copy seen: DGS; DLC.

8779. KJELLMAN, FRANS REINHOLD, 1846-1907. Fanerogamfloran på Novaja Semlja och Wajgatsch; växtgeografisk studie. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 319-52) **Title tr.:** The phanerogams of Novaya Zemlya and Vaygach Island; a phytogeographic study.

List of one hundred eighty-five species, indicating within which latitudes each species was found, with discussion

of distribution on Novaya Zemlya and Vaygach Island and in Siberia, Europe and North America. *Copy seen:* DLC.

8780. KJELLMAN, FRANS REINHOLD, 1846-1907. Fanerogamfloran på St. Lawrence-ön. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 2, p. 1-23, 2 plates) *Title tr.:* The phanerogams of St. Lawrence Island.

List, with synonyms and remarks, of ninety-six species of flowering plants, including fifty-three new to St. Lawrence Island; with discussion of geographical distribution of plants listed.

Copy seen: DLC.

8781. KJELLMAN, FRANS REINHOLD, 1846-1907. Förberedande anmärkningar om algvegetationen i Mosselbay enligt iakttagelser under vinterdragningar anställda af Svenska polarexpeditionen 1872-1873. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1875. Årg. 32, no. 5, p. 59-68) *Title tr.:* Preliminary remarks on the algal vegetation in Mossel Bay observed during the winter dredgings made by the Swedish Polar Expedition, 1872-1873.

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8782. KJELLMAN, FRANS REINHOLD, 1846-1907. Några tillägg till kännedomen om Spetsbergens *Plantae vasculares*. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1874. Årg. 31, no. 3, p. 31-42) *Title tr.:* Some additions to the knowledge of the vascular plants of Spitsbergen.

Discussion of the West Spitsbergen flora with references to earlier research, and a list, with some descriptions and locations, of seventy-five forms (including two new to West Spitsbergen) found on northern West Spitsbergen during the Swedish Polar Expedition, 1872-1873.

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8783. KJELLMAN, FRANS REINHOLD, 1846-1907. Norra Ishafvets algflora. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 3, p. 1-432, 31 plates)

Published in English as his *The algae of the arctic sea*, 1883, q.v.

Copy seen: DSI-M.

8784. KJELLMAN, FRANS REINHOLD, 1846-1907. Om algvegetationen i det Sibiriska Ishafvet. (Svenska veten-

skapsakademien. Öfversigt af förhandlingar, 1879. Årg. 36, no. 9, p. 23-28) *Title tr.:* On the algal vegetation of the Siberian Arctic Ocean. Issued also as: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 223-29.

Based on observations during the Vega Expedition, 1878-80; general remarks on the species and their occurrence in the waters of the Soviet arctic seas.

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8785. KJELLMAN, FRANS REINHOLD, 1846-1907. Om Beringhafvets algflora. Stockholm, P. A. Norstedt & Söner, 1889. 58 p. 7 col. plates. (Svenska vetenskapsakademien. Handlingar. Ny följd, bd. 23, no. 8) *Title tr.:* Algae of Bering Sea.

List, with some descriptions, distribution, and discussion of relationships, of ninety-one species of seaweed from the Bering and Okhotsk Seas, collected by the Vega Expedition.

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8786. KJELLMAN, FRANS REINHOLD, 1846-1907. Om Kommandörskjöarnas, fanerogamflora. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1887. Bd. 4, p. 281-309) *Title tr.:* On the phanerogams of the Commander Islands.

Discussion and list, with synonymy and localities, of one hundred fifty-seven species of flowering plants, collected by the Vega Expedition, summer 1879.

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8787. KJELLMAN, FRANS REINHOLD, 1846-1907. Om Spetsbergens marina, klorofyllförande thallophyter. Stockholm, P. A. Norstedt, 1875-77. 34, 61 p. 6 plates. (Svenska vetenskapsakademien. Handlingar. Bihang, 1875-76. Bd. 3, nr. 7; bd. 4, nr. 7) *Title tr.:* On marine, chlorophyll-carrying thallophytes from Spitsbergen.

Contains list, with localities, of specimens of algae collected by the Swedish Polar Expedition, 1872-1873; with notes on synonymy and occurrence in Svalbard, and with full descriptions of specimens represented.

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8788. KJELLMAN, FRANS REINHOLD, 1846-1907. Om tschukschernas hushällsväxter. (*In:* Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 353-

72) *Title tr.*: On household plants of the Chukchis. Published also in *Ymer*, 1882, p. 183-99.

Discussion of the Chukchis' use of plants for food and household purposes, and a list of twenty-nine plants with comments on the use made of each.

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8789. KJELLMAN, FRANS REINHOLD, 1846-1907. Om växtligheten på Sibiriens nordkust. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1879, pub. 1880. Årg. 36, no. 9, p. 5-21, plate) *Title tr.*: Vegetation of the northern coast of Siberia. Issued also as: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 231-46.

Notes on the vegetation in general of the region from Yamal Peninsula eastward to Bering Strait, and on the type of habitats found along the coast with their plant associations.

Copy seen: DGS; DLC.

8790. KJELLMAN, FRANS REINHOLD, 1846-1907. Redogörelse för Prövens färd från Dickson hamn till Norge samt för Kariska havets växt- och djurverld. (In: Nordenskiöld, N. A. E. Redogörelse för en expedition till mynningen af Jenissej och Sibirien, år 1875, p. 45-61. Pub. in Svenska vetenskapsakademien. Handlingar. Bihang, 1877. Bd. 4, no. 1) *Title tr.*: Report of the voyage of the *Pröven* from Dickson harbor to Norway, and of animal and plant life in the Kara Sea.

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8791. KJELLMAN, FRANS REINHOLD, 1846-1907. Sibiriska nordkustens fanerogamflora. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 247-96) *Title tr.*: The phanerogams of the Siberian north coast.

Contains list, with synonymy, localities and remarks, of one hundred fifty species, including fifty new to the northern Siberian coast; also list by localities and general discussion.

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8792. KJELLMAN, FRANS REINHOLD, 1846-1907. Svenska polar-expeditionen år 1872-1873 under ledning af A. E. Nordenskiöld. Stockholm, P. A. Norstedt, 1875. 352 p. illus., 3 plates, map (fold.) *Title tr.*: The Swedish Po-

lar Expedition, 1872-1873, under the leadership of A. E. Nordenskiöld.

Narrative of the Swedish Polar Expedition to Spitsbergen, 1872-1873, written for the general public by the expedition's botanist. He gives an account of the voyage, the sledge trips and the wintering at Mossel Bay; describes the arctic winter of 1872-73, its hazards and difficulties; and discusses plant and animal life of West Spitsbergen.

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8793. KJELLMAN, FRANS REINHOLD, 1846-1907. Ueber die Algenvegetation des murmanschen Meeres an der Westküste von Nowaja Semlja und Wajgatsch. Upsala, 1877. 1 p. l., 85, [1] p. plate. (Vetenskaps-Societeten i Upsala. Nova acta. Volumen extra ordinem editum. No. 12) *Title tr.*: Algae of Murman Sea on the west coast of Novaya Zemlya and Vaygach.

Based on the author's investigations as a member of the Swedish Expedition, 1875, to Novaya Zemlya and the Yenisey River mouth. Contains introductory material on the course of the expedition; a summary of the previous literature on algae of the eastern part of Barents Sea; classified list, with synonyms, localities, distribution and morphologic notes, of eighty-nine species; description of the character, zonation and associations of the algae; a comparison of this vegetation with that of other parts of the Arctic Ocean; and a bibliography (82 items).

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8794. KJELLMAN, FRANS REINHOLD, 1846-1907. Über die Meeresalgen-Vegetation von Beeren-Eiland. Stockholm, P. A. Norstedt & söner, 1903. 6 p. (Arkiv för botanik, 1903-1904, pub. 1903. Bd. 1, no. 1) *Title tr.*: On the marine algal vegetation of Bear Island.

Contains a list of twenty-two species of marine algae collected by G. Srenander in Bear Island waters in the summer of 1899.

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8795. KJELLMAN, FRANS REINHOLD, 1846-1907. Ur polarväxternas lif. (In: Nordenskiöld, N. A. E. Studien och forskningar [1883-84] p. 461-546, illus.) *Title tr.*: Arctic plant life.

Popular discussion. A German translation was published in Nordenskiöld's *Studien und Forschungen veranlasst*

durch meine Reise im hohen Norden, 1885, q.v.

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8796. KJELLMAN, FRANS REINHOLD, 1846-1907. *Végétation hivernale des Algues à Mosselbay (Spitzberg) d'après les observations faites pendant l'expédition polaire suédoise en 1872-73.* (Académie des sciences, Paris. Comptes rendus, fév. 22, 1875. T. 80, p. 474-76.) *Title tr.:* Winter algae vegetation at Mossel Bay, Spitsbergen, from observations made by the Swedish Polar Expedition, 1872-73.

Note on the winter stages of the same species (named) as are found in spring and summer. *Copy seen:* DLC.

8797. KJELLMAN, FRANS REINHOLD, 1846-1907. *Zur Kenntnis der marinen Algenflora von Jan Mayen.* Uppsala & Stockholm, Almqvist & Wiksell, 1906. 30 p. 3 plates. (Arkiv för botanik, 1904-1906, pub. 1906. Bd. 5, no. 14) *Title tr.:* A contribution to the knowledge of the algal flora of Jan Mayen.

Contains a systematic enumeration of twenty-six species of marine algae collected by Dr. H. Gran, a member of the Norwegian expedition on the *Michael Sars*, in Jan Mayen in 1900, including descriptions of seven new species, critical notes and data on distribution. *Copy seen:* MH.

8798. KJELLMAN, FRANS REINHOLD, 1846-1907, and A. N. LUNDSTRÖM. *Fanerogamer från Novaja Semlja, Wajgatsch och Chabarova. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1882. Bd. 1, p. 297-317, 2 plates) Title tr.:* Phanerogams from Novaya Zemlya, Vaygach Island and Khabarovo.

Contains list, with localities, synonymy, and some descriptions of one hundred sixty-four species, including thirty-six new to Novaya Zemlya and forty-nine new to Vaygach Island.

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8799. KJELLSTRÖM, CARL JOHAN OTTO, 1855- . *En excursion för uppmätning af Van Mijens bay under 1898 års svenska polarexpedition. (Ymer, 1901. Årg. 21, p. 29-34, map) Title tr.:* An excursion to survey Van Mijen Bay during the Swedish Polar Expedition, 1898.

Account of a trip to Van Mijen Bay, northern branch of Bell Sound, West Spitsbergen. *Copy seen:* DLC.

8800. KJELLSTRÖM, CARL JOHAN OTTO, 1855- . *Om läget af Kap Dan några ord med anledning af kapten G. Holms redogörelse för Den danska expeditionen till Grönlands Östkust, 1883-85. (Ymer, 1886, pub. 1887. Årg. 6, p. 160-64) Title tr.:* On the situation of Cape Dan; some remarks concerning Captain G. Holm's report of the Danish Expedition to Greenland's east coast 1883-85.

Discussion of the geographical location of Cape Dan, southeastern point of King Christian Island (Kalerajuek), East Greenland, according to the opinion of Kjellström, cartographer of the Swedish Expedition to Greenland, 1883, and according to G. Holm, cartographer of the Danish Expedition to Greenland, 1883-1885. Holm's rejoinder to this statement was published as his *Kap Dan's beliggenhed, 1888, q.v.*

Copy seen: DLC.

8801. KLAPELEK, FRANTIŠEK, d. 1919. *Plecoptera. Petrograd, 1914. 1 p. l., 10 p. illus. (Ěkspeditšná braťer Kuznetsovych na poliarnyj Ural, 1909. Resultats scientificques. Livr. 5. Pub. as: Akademija nauk SSSR. Mémoires. Sér. 8, classe physico-mathématiques, vol. 28, no. 5) Title tr.:* Plecoptera. (Scientific results of the Expedition of the Kuznetsov Brothers to the Arctic Ural, 1909) Text in German.

Descriptions of seven (including one new) species of stone-flies, of which four were nymphan, from the Kara and Obdorsk tundras.

Copy seen: DGS.

KLAPELEK, FRANTIŠEK, d. 1919, see also Strand, E. *Neue Beitr. z. Arthropoden-Fauna. I-XXVI. 1910-16.*

8802. KLEES, CHR. *Ausbeutung und wirtschaftliche Bedeutung der Kohlen-vorkommen Spitzbergens. (Glücksauf: Berg- und Hüttenmännische Zeitschrift, 1925. Bd. 61, p. 1251-57) Title tr.:* Production and economic significance of coal in Spitsbergen.

Description of the geology, the mining companies and the advantages and disadvantages of mining in West Spitsbergen. *Copy seen:* DGS.

8803. KLEIBER, KARL, 1912- . *Beitrag zur Geologie und Sedimentpetrographie Ostgrönlands. København. C. A. Reitzel, 1944. 148 p. illus., 5 maps, profiles. (Meddelelser om Grønland. Bd.*

115, nr. 4) *Title tr.*: Contribution to the geologic and sedimentary petrography of East Greenland. Published also as the author's doctoral thesis, Zurich.

Results of the Geological Expedition to East Greenland, 1936-38. A geologic summary of the region between Franz Joseph Fiord and Scoresby Sound, i.e., Geographical Society, Ymer, and Traill Islands, Canning Land, Wegener's Peninsula and Jameson Land. Synopsis of the geology and petrography of the sedimentary basin with reference to the crystalline border of west Liverpool Land. Chapters on methods; special descriptions of minerals occurring in the sediments; microscopic analyses of some sandstones; the heavy minerals of certain formations; regional discussions; the sedimentary petrographic provinces; the order of provinces in the sedimentary trough; chronologic sequence of provinces, and their mineral relationship. Comparison of East Greenland, West Spitsbergen and northern Europe; and a bibliography (81 items).

Copy seen: DSI-M.

8804. KLEIN, GEORGE J. Canadian survey of physical characteristics of snow-covers. Ottawa, National Research Council of Canada, 1948. 1 p. l., 17 p., 2 l. incl. tables. 5 plates (incl. diagrs.) For presentation at the Oslo Conference, 1948, of the International Geodetic and Geophysical Union.

Results of a study in the winters 1946-47, 1947-48, of the specific gravity, hardness and other physical characteristics of each layer in the snow cover (measured once a week) at stations which include Churchill, Moosonee, Goose Bay and Whitehorse. Published also in *Geografiska annaler*, 1949, Arg. 31, p. 106-124.

Copy seen: CaMAI; DLC (1949).

8805. KLEIN, GEORGE J. Canadian survey of physical characteristics of snow-covers. (National Research Council of Canada. Associate committee on soil and ice mechanics. Technical memorandum, 1949. No. 14 (N.R.C. No. 2034), p. 14-39, incl. 6 plates, 2 p. of tables)

Account of method and instruments used in observation of specific gravity, hardness, and other physical characteristics of each layer in the snow-cover, at ten stations throughout Canada, with results for 1947, including

Churchill, Gander, Goose Bay, Moosonee and Whitehorse.

Published also in International Geodetic and Geophysical Union. Association of Scientific Hydrology. Assemblée générale d'Oslo, 1948. Procès-verbaux. T. 2. Travaux de la Commission de la neige et des glaciers, pub. 1950? p. 138-52 (Copy in DGS).

Copy seen: CaMAI.

8806. KLEIN, GEORGE J. Method of measuring the significant characteristics of a snow-cover. Ottawa, National Research Council of Canada, 1946. 1 p. l., 38 p. 10 plates (1 fold.) (Report no. MM-192)

Discussion of "the conditions and features of the snow which determine its properties", and description of "standardized methods and instruments for measuring these characteristics".

Copy seen: CaMAI.

8807. KLEIN, GEORGE J. The snow characteristics of aircraft skis. Ottawa, National Research Council of Canada, 1947. 17 p. illus., diagrs. (Aeronautical report. AR-2; Division of Mechanical Engineering, Report MM-57)

"A large number of measurements of adhesion and sliding resistance were made on approximately half scale model skis of various shapes and surfaced with various materials. The tests were carried out over a large range of temperature and snow conditions and over a large range of unit loading. Highly loaded skis, surfaced with bakelite and having comparatively high aspect ratio and small bow angle are shown to be much superior to present-day skis".—Author's summary.

Copy seen: CaMAI.

8808. KLEIN, GEORGE J. Snow-cover measurements. Supplement to Report no. MM-192. Ottawa, National Research Council of Canada, 1947. 1 p. l., 12 p. tables, diagrs. (Report no. MM-202)

Contains additions to instructions for snow observers, supplementing his *Method of measuring the significant characteristics of a snow-cover*, 1946, q.v.

Copy seen: CaMAI.

8809. KLEINSCHMIDT, SAMUEL PETRUS, 1814-1886. Grammatik der grönländischen Sprache, mit theilweisem Einschluss des Labradoridiakts. Berlin, G. Reimer, 1851. x, 182 p.

Title tr.: Grammar of Greenlandic language, with partial inclusion of the Labrador dialect.

Basic reference work by noted linguist. In the foreword, the author states that owing to the slight difference between Labrador and Greenlandic grammar, parts 1-2 may serve as a Labrador Eskimo grammar also. He notes differences in northern and southern West Greenlandic, and linguistic affinity of East Greenland Eskimos with those of northern rather than southern West Greenland.

Contents tr.: Introduction. Pt. 1. Forms of inflection. Pt. 2. Syntax. Pt. 3. Composite words.

Copy seen: DLC; NN; NNStef.

8810. KLEINSCHMIDT, SAMUEL PETRUS, 1814-1886. Den grønlandske ordbog, omarb. af Sam. Kleinschmidt; udg. paa foranstaltning af Ministeriet for kirke- og underviisningsvaesent og med det Kongelige danske videnskabsbernes selskabs understøttelse ved H. F. Jørgensen. Kjøbenhavn, L. Klein, 1871. x p., 1 l., 460 p. **Title tr.:** The Greenlandic dictionary revised by Sam. Kleinschmidt, and edited by H. F. Jørgensen under direction of the Minister of Ecclesiastical Affairs and Education and sponsorship of the Royal Danish Scientific Society.

Basic reference work by noted linguist. Greenlandic-Danish dictionary, with explanatory remarks, based on West Greenlandic usage; some corresponding East Greenlandic words may be found in Rink, H. J. *Den østgrønlandske dialekt*. **Copy seen:** DLC.

KLEINSCHMIDT, SAMUEL PETRUS, 1814-1886, see also Nielsen, R. Hoem är fader til forstanderskabstanken. 1914.

KLEINSCHMIDT, SAMUEL PETRUS, 1814-1886, see also Rink, H. J. Østgrønlandske dialekt. 1888.

8811. KLEMIN, I. A. Sinopticheskie usloviâ i meteorologicheskoe obsluzhivanie Severnoi èkspeditsii. (Meteorologîiâ i gidrologîiâ, 1937. No. 6, p. 23-40, maps) **Title tr.:** Synoptical conditions of the flight and meteorological protection of the Northern Expedition.

Analyses of weather conditions preceding and during the first month of the North Pole expedition are described and illustrated by ten different synoptic

situations during the period Mar. 22-June 16, 1937.

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8812. KLENGENBERG, CHRISTIAN, 1869-1931. Klengenbergs of the Arctic, an autobiography. London [etc.] J. Cape [1932] 300 p. incl. front. (port.) plates.

The story of Klengenbergs life as trapper, hunter, and trader for thirty-four years, at Point Hope and Barrow in Alaska, Herschel Island in Yukon Territory, and Rymer Point on Victoria Island. Describes his travels throughout northern Alaska and the arctic coastal region of western Canada, his life with the Eskimos (to one of whom he was married), his hunting activities, etc.

Copy seen: DLC; NNStef.

8813. KLENOVA, M. V. Bukhta Ruch'evskaiâ (Saïda-guba). (Moskva. Vsesoûznyî nauchno-issledovatel'skii institut morskogo rybnogo khozâistva i okeanografii. Trudy, 1938. T. 5, p. 91-110, diagrs.) **Title tr.:** Ruch'evskaya Bay (in Sayda Bay).

A detailed study in 1932 of Ruch'evskaya Bay, (about 69°15'N. 33°14'E. in Kola Bay), the physical geography and geology of the region, depths and profiles of the bay, curves of tides and some data on marine fauna and plankton distribution. Summary in German.

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8814. KLENOVA, M. V. Bukhta Uritsa. (Moskva. Vsesoûznyî nauchno-issledovatel'skii institut morskogo rybnogo khozâistva i okeanografii. Trudy, 1938. T. 5, p. 125-30, diagrs.) **Title tr.:** Uritsa Bay.

Results of investigations of depths, profiles, bottom sediments and benthos distribution in this little bay (a part of Ura Bay on the north coast of Kola Peninsula about 69°27'N. 33°05'E.). Summary in German.

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8815. KLENOVA, M. V. Fiziko-geograficheskii ocherk guby Novoi (Novaiâ Zemliâ). (Morskoî nauchnyi institut. Trudy, 1929. T. 4, vyp. 4, p. 26-35, illus. (map)) **Title tr.:** Physico-geographical sketch of Novaya Bay, Novaya Zemlya.

Description of the region made in connection with the voyage of the Marine Scientific Institute's research vessel *Persai* in 1925. Summary in German.

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8816. KLENOVA, M. V. Osadki Motovskogo zaliva. (Moskva. Vsesoiūznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziāistva i okeanografii. Trudy, 1938. T. 5, p. 3-63, diagrs. (1 fold.)) *Title tr.*: Bottom sediments of Motovskiy Gulf.

Detailed study of the sea bottom of Motovskiy Gulf (about 69°33'N. 32°28'E. between Rybachiy Peninsula and the mainland of Murman coast); based on bottom samples, soundings, etc., taken mostly by the research vessel *Persei* in 1931; includes data on depths, bottom profiles, and some chemical analyses of the sediments. Summary in German. *Copy seen*: DLC.

8817. KLENOVA, M. V. Ostrov Viktoriā; fizko-geograficheskii ocherk. (Arctica, 1935. No. 3, p. 79-87, illus., map) *Title tr.*: Victoria Island; a physico-geographical sketch.

A description made on the occasion of a visit to the island (80°08'N. 37°E.) in 1932. *Copy seen*: DLC.

8818. KLENOVA, M. V. Otchet o geologicheskikh rabotakh na Novoi Zemle 1925-1927 gg. (Moskva. Vsesoiūznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziāistva i okeanografii. Trudy, 1925. T. 1, p. 3-49, maps, diagrs.) *Title tr.*: Account of geological work on Novaya Zemlya, 1925-1927.

Description of the geological formations; results of observations made by the author at fifteen different locations on Novaya Zemlya during three expeditions of the Institute of Marine Fisheries and Oceanography, Moscow, on the research vessel *Persei*, 1925-27. Bibliography (53 items). Summary in German. *Copy seen*: DLC.

8819. KLENOVA, M. V. Peski Cheshskoi guby. (Morskoī nauchnyi institut. Trudy, 1929. T. 4, vyp. 4, p. 9-24, plate, diagrs.) *Title tr.*: The sands of Cheshskaya Bay.

Results of studies of the bottom sediments in Cheshskaya Bay made by the Marine Scientific Institute's research vessel *Persei*. Summary in German. *Copy seen*: DF.

8820. KLENOVA, M. V. Postplitšenovaiā glina iz guby Krestovoi na Novoi Zemle. (Akademiā nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 177-86, tables) *Title tr.*: Postpliocene

clay from Krestovaya Fiord in Novaya Zemlya.

Contains results of mechanical and chemical analysis of clay samples collected from Krestovaya Bay by the Academy of Sciences' Novaya Zemlya Expedition of 1925, and comparison of these with contemporary sediments of Barents Sea. Summary in English.

Copy seen: DLC.

8821. KLENOVA, M. V. Sediments of the Barents Sea. (Akademiā nauk SSSR. Comptes rendus. (Doklady), 1940. n.s., v. 26, no. 8, p. 796-800, map, tables)

Report on investigation by the Institute for Marine Fisheries and Oceanography. Analyses of 4000 bottom samples collected by the *Persei* and other vessels 1923-37 in Barents Sea, with comparative samplings from adjacent seas. Data on types of sediment, their chemical and mechanical composition, distribution (map); plan for further investigations, bibliography (25 items). *Copy seen*: DLC.

8822. KLENOVA, M. V. Zadachi geologicheskogo issledovaniā gub. (Moskva. Vsesoiūznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziāistva. Trudy, 1938. T. 5, p. 85-90) *Title tr.*: The problems of geological investigations of bays.

A discussion of studies made for the Moscow Institute of Marine Fisheries and Oceanography on the geomorphology (as well as oceanography) of various bays of Barents and White Seas, with general information on the methods used and some work instructions.

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8823. KLENOVA, M. V., and A. S. PAKHOMOVA. Manganese in the sediments of polar seas. (Akademiā nauk SSSR. Comptes rendus. (Doklady), 1940. n.s., v. 28, no. 1, p. 87-89, diagrs., tables)

Results of the author's analyses of 200 bottom samples collected by various vessels in Barents, Kara and Greenland Seas, with data from other scientists also; distribution of manganese, its relationship to bottom conditions, sea-water color, etc.; origin of manganese in arctic seas. *Copy seen*: DLC.

8824. KLENOVA, M. V., and L. A. IASTREBOVA. Khlorofil v osadkakh kak pokazatel' gazovogo rezhima bassei-

na. (Moskva. Vsesoŭŭznyi nauchno-issledovatel'skii institut morskogo rybnogo khozaiŭstva i okeanografii. Trudy, 1938. T. 5, p. 65-70, diags.) *Title tr.:* Chlorophyll in the bottom sediments as an indicator of the gasses within the water basin.

Results of investigations based on analyses of bottom sediment samples taken in Motovskiy Bay, Barents Sea, by the research vessel *Persei*, 1931, with data and discussion on the relation between sedimentary chlorophyll, the plankton and gasses. Summary in German. *Copy seen:* DLC.

8825. KLENOVA, M. V., and M. L. BUDIANSKAIA. Phosphorus in the sediments of polar seas. (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940. n. s., v. 28, no. 1, p. 82-86, diags., map, table)

Generalization from other scientists' observations and statement on results of the authors' determinations, based on bottom samples for 214 stations in Barents, Kara and (to a less extent) Greenland Seas; relation of phosphorus content to depth, mechanical composition of sediments. Bibliography (11 items). *Copy seen:* DLC.

8826. KLENOVA, M. V., and SERGEI OBRUCHEV. Geologicheskie issledovaniia Morskogo nauchnogo instituta na Novoi Zemle v 1925-1927 gg. (Morskoi nauchnyi institut. Trudy, 1929. T. 4, vyp. 4, p. 37-50, plate, diagr.) *Title tr.:* Geological investigations of the Marine Scientific Institute on Novaya Zemlya, 1925-1927.

Brief report on geological investigations made in connection with the Institute's *Persei* voyages, 1925-1927. *Copy seen:* DF.

KLENOVA, M. V., see also Samoilov, I. A. V., & M. V. Klenova. K litologii Barentsova moria. 1927.

KLEPIKOV, A. L., see Voskresenskii, A. A., & others. Shkura i kozha severnogo olenia. 1935.

8827. KLIEMETSCHKE, ADOLF, and JOSEF SOBIECZKY. Resultate der chemischen Untersuchungen über die von Jan Mayen mitgebrachten Seewasserproben, gesammelt von Dr. F. Fischer. [Wien, 1886] 16 p. incl. tables. (International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition

nach Jan Mayen. Beobachtungs-Ergebnisse. Bd. 1. Theil 3, Abt. 3) *Title tr.:* Results of chemical analyses of seawater samples from Jan Mayen, collected by Dr. F. Fischer.

Contains data and discussion of the calcium, magnesium, chlorine, sulphate, and carbonic acid content of forty-four samples. *Copy seen:* DLC.

KLIMENKOVA, L. A., see Balakhovskii, S. D., & others. Novyi metod lecheniia. 1935.

8828. KLIMUSHEV, I. A. I. Kraiñii Sever v plane khozaiŭstvennogo i sotsial'no-kul'turnogo stroitel'stva 1933. (Sovetskii Sever, 1933, no. 3, p. 18-26, tables) *Title tr.:* The far North in the plan for economic, social, and cultural construction in 1933.

Approximate data on electrification and industries (coal, oil, chemicals, timber, sealing, etc.) in the Soviet North for 1932-33. *Copy seen:* DLC.

8829. KLIMUSHEV, I. A. I. Zagotovki Kraiñego Severa. (In: Kraiñii Sever k 1934 g. p. 151-58, tables) *Title tr.:* Industrial output of the far North.

Contains a tabular survey of the output of the principal industries on the far North of U.S.S.R. (Murmanskii okrug, and the northern parts of Severnyi Kray, Obso-Irtyshskaya Oblast', Zapadno-Sibirskii Kray, Vostochno-Sibirskii Kray, Yakut ASSR, and Dal'nevostochnyi Kray) in 1933, with a total value of 122 million roubles. *Copy seen:* DLC.

8830. KLINCKOWSTRÖM, AXEL ALEXANDER, 1867-. Föredrag om Den svenska Spetsbergsexpeditionen, 1890. (Ymer, 1890. Årg. 9, p. 287-90) *Title tr.:* Lecture on the Swedish Spitsbergen Expedition, 1890.

Account of G. Nordenskiöld's and the author's expedition to West Spitsbergen during the summer of 1890 for the purpose of making geological and zoological investigations. *Copy seen:* DLC.

8831. KLINCKOWSTRÖM, AXEL ALEXANDER, 1867-. Öfversigt af de zoologiska arbetena under expeditionen till Spetsbergen 1890. (In: Nordenskiöld, G. E. A. Redogörelse för den Svenska expeditionen till Spetsbergen

1890. Bilaga 6. *Pub.* in: Svenska vetenskapsakademien. Handlingar. Bihang, 1892. Bd. 17, afd. 2, no. 3, p. 86-93) *Title tr.*: Summary of the geological work carried out by the expedition to Spitsbergen, 1890.

Contains brief report on (1) equipment; (2) results of ten dredgings in Svalbard waters and (one only) near Bear Island; (3) mammals (eight species) and birds (twenty-three species) observed on West Spitsbergen's west coast and waters, also nine species of fishes from Bear Island and Svalbard waters; (4) results of three surface net hauls between Bear Island and Bell Sound and in the Svalbard waters near Bell Sound. *Copied seen:* DLC.

8832. KLINCKOWSTRÖM, AXEL ALEXANDER, 1887-. En sommar i Godthaabsnejden. (Ymer, 1914. Årg. 34, p. 189-213, illus.) *Title tr.*: A summer in the Godthaab region.

Account of an entomological trip in West Greenland, with some discussion of insects. *Copied seen:* DLC.

8833. KLINGE, JOHANNES CHRISTOPHER, 1851-1902. *Dactylorchidis, Orchidis subgeneris, monographiae prodromus. I. Specierum subspecierumque synopsis et diagnoses.* (Leningrad. Glavny botanicheskii sad. Trudy, 1899. T. 17, vyp. 1, p. 145-201, 2 plates) *Title tr.*: Forerunner to a monograph on *Dactylorchis*, a subgenus of *Orchis*. I. Synopsis of species and subspecies and diagnoses.

Contains a monographic treatment of *Dactylorchis*, a new subgenus of *Orchis* and an enumeration of thirty-one species and subspecies, with Latin descriptions, synonymy and critical notes; includes some native to arctic Scandinavia, Kola Peninsula, Kamchatka, Alaska and Aleutian Islands.

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8834. KLINGE, JOHANNES CHRISTOPHER, 1851-1902. Zur geographischen Verbreitung und Entstehung der *Dactylorchis*-Arten. (Leningrad. Glavny botanicheskii sad. Trudy, 1899. T. 17, vyp. 2, p. 147-250, map) *Title tr.*: On geographical distribution and origin of the species of *Dactylorchis*.

Contains a study of the phylogeny and geographical distribution of subgenus *Dactylorchis* of *Orchis*, including some species and subspecies native

to Lapland, northern Europe and Asia, Alaska, and Aleutian Islands; bibliographical footnotes.

Copied seen: MH-A.

8835. KLINGENBERG, K. S. Ett 100 års minne. Norges deltagelse i den skandinavisk-russiske gradmåling. (Norsk geografisk tidsskrift, 1944-45, pub. 1945. Bd. 10, p. 117-20, table) *Title tr.*: A centennial. Norway's participation in the Scandinavian-Russian geodetic work.

Brief summary of the geodetic work commenced by Russia, 1816-40, and extended to include the survey and triangulation of northern Europe. Notes the cooperation of Sweden-Norway, the work done in Finnmark, northern Norway, and its importance.

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8836. KLINGENBERG, K. S. Kart-projektasjoner anvendt i Norges geografiske oppmåling. (Norsk geografisk tidsskrift, 1944-45, pub. 1945. Bd. 10, p. 104-116, 2 maps (1 fold.) *Title tr.*: Map projections used in the geographic survey of Norway.

Brief summary of map projection in Europe and in Norway, with references to the choosing of a new central meridian, through Fuglenes, at the extreme point of northern Norway, 1873. Map p. 248. Summary in English.

Copied seen: NN.

8837. KLINGENBERG, K. S. Norges grense mot Finland; dens løp og avmerkning i terrenget. (Norsk geografisk tidsskrift, 1926-27, pub. 1927. Bd. 1, p. 174-84, illus., sketch map) *Title tr.*: Norway's boundary with Finland; its course and how it is marked.

Discussion of boundary treaties between Norway and Finland or Russia, 1751-1924, and of boundary lines and boundary marking; with special emphasis on the treaty of 1924, which settled the boundary with the Petsamo District, ceded by U.S.S.R. to Finland, 1920.

Copied seen: DLC.

8838. KLINGENBERG, K. S. Praktiske og juridiske spørsmål opstått under grenseoppgangen mellom Norge og Finland 1925. (Norsk geografisk tidsskrift, 1930-31, pub. 1931. Bd. 3, p. 197-240, sketch maps) *Title tr.*: Practical and legal questions arising during the revision of the boundary between Norway and Finland, 1925.

Challenge of K. Haataja's *Questions juridiques surgies lors de la révision de la frontière finlandaise entre le Golfe de Bothnie et l'Océan Glacial*, 1927, and presentation of the Norwegian point of view; with reviews of earlier boundary revisions and treaties, and geographical factors.

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8839. KLINGSTEDT, HOLGER. Neuropterologisches aus Finnland 1. Die Gattung *Sisyra* mit besonderer Berücksichtigung von *Sisyra jutlandica* Esben-Petersen. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929. v. 5, p. 81-88, illus., text map) **Title tr.:** Neuroptera from Finland 1. The genus *Sisyra* with special consideration of *Sisyra jutlandica* Esben-Petersen.

Contains a comparative study of two Scandinavian species of the neuropteran genus *Sisyra*, *S. fusca* and *S. jutlandica*, with special consideration of the structure and venation of wings; the first species is native to Finnish Lapland (Muonio, Inari and Petsamo regions).

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8840. KLINGSTEDT, HOLGER. Neuropterologisches aus Finnland 2. *Helicoconis lutea* Wallengren aus Lappland. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929. v. 5, p. 88-91, text map) **Title tr.:** Neuroptera from Finland 2. *Helicoconis lutea* Wallengren from Lapland.

Contains descriptive notes, measurements and data on distribution of *Helicoconis lutea*, a species of family Coniopterygidae (dusty wings), having two centers of distribution: in southern Finland (Åbo, Nyland) and in Petsamo region in the North.

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8841. KLINGSTEDT, HOLGER. Neuropterologisches aus Finnland 3. *Boriomyia enontekiensis* n. sp. aus Lappland. (Societas pro fauna et flora fennica. Memoranda, 1928-29, pub. 1929. v. 5, p. 105-106, illus.) **Title tr.:** Neuroptera from Finland 3. *Boriomyia enontekiensis* n. sp. from Lapland.

Contains a German diagnosis of a new neuropteran from Enontekis region, *Boriomyia enontekiensis* based on a single specimen in the Finnish museum.

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8842. KLINGSTEDT, HOLGER. Neuropterologisches aus Finnland 4. Die

Verbreitung der Gattung *Boriomyia*. (Societas pro fauna et flora fennica. Memoranda, 1930-31, pub. 1932. v. 7, p. 276-80, text maps) **Title tr.:** Neuroptera of Finland 4. Distribution of the genus *Boriomyia*.

Contains critical notes and data on distribution in Finland of six species of this insect, of the neuropterous genus *Boriomyia*, including four native to Finnish Lapland and Kola Peninsula.

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8843. KLINGSTEDT, HOLGER. A taxonomical survey of the genus *Cynrus* Steph. including the description of a new species, with some remarks on the principles of taxonomy. (Societas pro fauna et flora fennica. Acta, 1937. v. 60, p. 573-98, illus.)

Contains a critical revision of two-winged flies of the genus *Cynrus*, with a key to species, an enumeration of seven species (one new) with descriptions, critical notes and data on general and Finnish distribution, including *C. flavidus* occurring in Petsamo and Kandalaksha regions.

Copy seen: MH-A.

8844. KLÛCHAREV, A. A. Бор'ба с копытной болезнью оленя. (Sovetskaja Arktika, 1936, no. 10, p. 107-108) **Title tr.:** Fight against hoof disease in reindeer.

Results of tests carried out by the Salekhard Scientific Research Station in 1933-35.

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8845. KLÛGE, G. A. Kamptozoa in Severnogo Ledovitogo okeana. (In: Dreifußschkaia ekspeditšia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 149-57, illus., plate) **Title tr.:** Kamptozoa from the Arctic Ocean.

Descriptions of eight (including five new) species of bryozoans with a list of stations and depths from which specimens were taken during the drift of the *Sedov*, 1937-40.

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8846. KLÛGE, G. A. Novye i maloizvestnye mshanki iz Severnogo Ledovitogo okeana. (In: Dreifußschkaia ekspeditšia Glavsevmorputi na ledokol'nom parokhode "G. Sedov" 1937-1940 gg. Trudy, 1946. T. 3, p. 194-223, illus., 6 plates) **Title tr.:** New and little known species of Bryozoa from the Arctic Ocean.

Descriptions of thirty-one (including nineteen new) species taken from a collection made during the voyage of the ice-breaker *Sadko*, 1935, 1937-38. Summary in English.

Copy seen: DLC.

KLÜGE, G. A., *see also* Derjugin, K. M. Fauna Ekaterinenskoj gavanj. 1906.

KLÜGE, G. A., *see also* Derjugin, K. M. K faunë Kol'skago zal. I-II, 1908-09. 1910-11.

KLÜGE, G. A., *see also* Gur'ianova, E. F. Biotsenoz laminarii Kol'skogo zal. 1924.

8847. KLOKOV, MIKHAIL VASIL'EVICH, 1896- , and N. A. SHOSTENKO. Chebretsy Evropejskoj chasti SSSR. (Kharkov. Universitet. Ucheni zapiski, kn. 14. Trudi N.-D. Institutu botaniki, 1938, t. 3, p. 107-157) *Title tr.*: The *Thymus* species of the European part of the Soviet Union.

Contains a taxonomic study of mints divided into four parts: (1) general characteristics of the genus *Thymus*; (2) key to the species and sub-divisions; (3) descriptions of thirty-seven species occurring in the European part of the Soviet Union, including two species from Kola Peninsula, united into series and cycles on the bases of their ramification; (4) study of genetic connection between separate species and justification of the establishment of series and cycles. Bibliography (76 items). Summary in English.

Copy seen: MH.

8848. KLOTZ, OTTO JULIUS, 1852-1923. Alaska. (Canadian field naturalist, Apr.-May 1894. v. 8, p. 6-33)

General description of Alaskan geography, climate, industries, and Indians.

Copy seen: DLC.

8849. KLOTZ, OTTO JULIUS, 1852-1923. Aurorae, earth currents and magnetic disturbances. U. S. Weather Bureau. Monthly weather review, Dec. 1915. v. 43, p. 596-98)

The phenomena of aurora, earth currents and magnetic disturbances are usually simultaneous and their intensities are dependent on local conditions.

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8850. KLOTZ, OTTO JULIUS, 1852-1923. Experimental application of the photographic method of surveying to

the Baird Glacier, Alaska. (Journal of geology, July-Aug. 1895. v. 3, p. 512-18)

Results of the author's use of this method to measure advance of the glacier, during his work in connection with the Canada-Alaska boundary survey, 1894.

Copy seen: DGS.

8851. KLOTZ, OTTO JULIUS, 1852-1923. Notes on glaciers of south-eastern Alaska and adjoining territory. (Geographical journal, Nov. 1899. v. 14, p. 523-34, 2 fold, maps)

Observations made incidentally to the author's work with the International Boundary Survey, 1893-94. Gives notes on the Baird Glacier, and others, based on a comparison between the surveys of La Pérouse, 1786, Vancouver, 1794, and his own photo-topographic survey.

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8852. KLOTZ, OTTO JULIUS, 1852-1923. Recession of Alaska glaciers. (Geographical journal, Oct. 1907. v. 30, p. 419-21)

Notes on dissimilar recession in Glacier Bay area, with discussion of causes.

Copy seen: DLC.

8853. KLUGE, HERMANN. Ergänzungsbericht über die von der "Olga"-Expedition gesammelten Bryozoen. Zoologische Ergebnisse einer Untersuchungs-fahrt (etc.) nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S. M. S. "Olga". VIII. (Wissenschaftliche Meeresuntersuchungen, 1908. Neue Folge, Bd. 8, Abt. Helgoland, p. 31-55, illus.) *Title tr.*: Supplementary report on the bryozoans collected by the *Olga* Expedition. Zoological results of a research expedition (etc.) to Bear Island and West Spitsbergen in the summer of 1898 on S. M. S. *Olga*. VIII.

Contains a list of species, revised in classification to make eighty-two, instead of the forty-seven given by O. Bidekap in *Die Bryozoen*, 1900, q.v.

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8854. KLUMOV, S. K. Novaja tekhnika zverobojnogo promysla. (Sovetskaja Arktika, 1937, no. 10, p. 92-96, illus.) *Title tr.*: New technique for sealing.

Description of implements, (harpoon guns and nets) suggested for sealing.

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8855. KLUMOV, S. K. Ostrov Vaigach, ego promyslovaia fauna i promyslovyje

vozmozhnosti (Sovetskaiâ Arktika, 1935, no. 2, p. 53-58, illus.) *Title tr.*: Vaygach Island, its industrial fauna and prospective industrial development.

Description of the animal life, sealing, fishing, and hunting on the island, based on material collected on the author's request by the chief of the Vaygach radio station during his two-year sojourn there, 1933-35.

Copy seen: DLC.

8856. KLUMOV, S. K. Raspredelenie belukhi *Delphinapterus leucas* Pall. na evropeisko-aziatskom severe. Moskva, Leningrad, 1936. 71, [1] p. illus., fold. map. (Akademiâ nauk SSSR. Polîarnaiâ komissiâ. Trudy. Vyp. 27) *Title tr.*: Distribution of the beluga *Delphinapterus leucas* Pall. in the waters of northern Europe and Asia.

Report on investigations of the migration, food and occurrence of the beluga, or white whale in Kara, Barents, White and Laptev Seas. Bibliography, p. 64-66. Summary in German.

Copy seen: DLC.

8857. KLUTE, FRITZ. Die Oberflächenformen der Arktis. (Düsseldorfer geographische Vorträge und Erörterungen, Sept. 1926, pub. 1927. Tl. 3, p. 91-100) *Title tr.*: Surface forms of the Arctic.

Summary of arctic physiography: the ice-covered and ice-free regions, the general large features, such as fiords, and the physiographic forces at present working in the Arctic: weathering, solifluction, etc., with a bibliography (21 items).

KLUTE, FRITZ, *see also* Krueger, H. K. E., & F. Klute. Hessische Grönlandexpedition, 1925. 1926.

8858. KLYKOV, A. A. Rybnye promysly. (In: Sovetskii Sever; pervyi sbornik statei, 1929. p. 151-63, illus.) *Title tr.*: Fishing industry.

Brief description of the unsatisfactory conditions of fishing industry in the Russian North and plans for its improvement.

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KMOCH, GEORG, *see* Kohlmeister, B. G., & G. Knoch. Journal voyage Okkak to Ungava Bay. 1814.

8859. KNABEN, NILS, 1897- , and EMIL BARCA. Zoological results of the Norwegian scientific expeditions to East-Greenland. VI. 1. Makrolepidop-

teren aus Nordostgrönland. 2. Mikrolepidopteren aus Nordostgrönland. Oslo, J. Dybwad, 1937. 37 p. illus., 3 plates, map. (Norway. Norges Svalbard- og Ishavs-undersøkelser. Skrifter. Nr. 71)

Contents: Knaben, Nils. Makrolepidopteren [etc.], p. 3-30, (bibliography, p. 28-30). Barca, Emil. Mikrolepidopteren [etc.], p. 31-37, (bibliography, p. 36-37).

On the butterflies and moths collected by the expeditions of 1929-30.

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KNAG, NIELS, *see* Finnmark omkring 1700. 1932-45.

KNAKE, BORIS, *see* Ellson, J. G., & others. Report Alaska Exploratory Fishing Exped. 1948. 1949.

8860. KNAPP, FRANCES, and R. L. (CHILDE) DORR. The Thlinkets of southeastern Alaska. Chicago, Stote & Kimball [Cambridge, Mass., printed] 1896. 197 p. 1 l., 15 plates, incl. ports.

Based on information gathered from Indians of the older generation, during a three-year residence in Sitka. Description of the environs, tribal organization, totemism, villages, warfare, blood atonement, family, marriage, childbirth, divorce, occupations, foods, implements, social organization, feasts, potlatches, dances, witchcraft, and shamanism, mortuary customs, religion myths, arts, and folklore. Throughout the work, the difference between old and (then) present-day customs are distinguished.

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8861. KNAUSS, CARL. Untersuchungen der Asche von Seetang aus dem Weissen Meere, des Wassers des Weissen Meeres und zweier Salzsoolen aus Nonoxa, ausgeführt in Archangel vom August 1859 bis Februar 1860. (Akademiâ nauk SSSR. Bulletin, 1860. Sér. 3, t. 2, p. 303-317) *Title tr.*: Analyses of the ash from algae of the White Sea, the water of the White Sea and two salt springs of Nonoxa, carried out in Archangel, from Aug. 1859 to Feb. 1860.

Contains full results of chemical analyses.

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8862. KNIGHT, CYRIL WORKMAN, 1879- . A new occurrence of pseudo-leucite. (American journal of science, Apr. 1906. Ser. 4, v. 21, p. 286-93)

Mineralogical study of rocks from the Ogilvie Range in Yukon Territory.

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8863. KNIGHT, CYRIL WORKMAN, 1879- . Pitchblende at Great Bear Lake, Northwest Territories, Canada. (Canadian mining journal, Oct. 10, 1930. v. 51, p. 962-65, illus., incl. map)

Notes on observations made in July 1930, on the Eldorado Gold Mines Ltd. claims, with remarks on the succession of rocks at Echo Bay, and the associated minerals.

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KNIGHT, ERROL LORNE, 1843-1923, see Stefansson, V. Adventure of Wrangel, I. 1925.

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KNIGHT, JOHN IRVINE, see Stefansson, V. Adventure of Wrangel I. 1926.

KNIPOVICH, E. V., see Vakar, V. A., & others. Liŭdvigit iz poliarnoi ĭakutii. 1934.

8864. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Hydrologische Untersuchungen im Europäischen Eismeer. (Annalen der Hydrographie und maritimen Meteorologie, 1905. Jahrg. 33, p. 193-205, 241-60, 337-46, fold. diags.) *Title tr.:* Hydrologic investigations in the European Arctic Ocean.

Abstracted from the author's *Osnovy gidrologii Evropeiskago Ledovitago okeana*, 1906, q.v. *Copy seen:* DLC.

8865. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Kratkii obzor rabot ĕkspeditsii dlia nauchnopromyslovyykh issledovaniĭ Murmana. (Akademiĭa nauk SSSR. Bulletin, mai 1900. Ser. 5, t. 12, p. 419-69, fold. table) *Title tr.:* A brief survey of the work of the expedition for the scientific study of Murmansk.

On the preparations for, and the course of the exploratory expedition (May 10, 1898-May, 10, 1899), and the first expedition (summer 1899), by the zoologist in charge of the whole enter-

prise. The work consisted of collecting specimens of the marine fauna of Barents Sea in order to determine the quantity and geographical extent of commercially valuable fishes, and other types of fauna, studying the environment from the point of view of ocean temperature, food and breeding. Results are stated briefly. Ocean temperatures at fifty meter intervals (to 250 m.) for 1898-1900 are given.

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8866. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Materialy po gidrologii Belogo i Murmanskago morĭa. I. (Akademiĭa nauk SSSR. Bulletin, oct. 1897. Ser. 5, t. 7, p. 269-301, incl. tables) *Title tr.:* Materials for the hydrology of the White and Murmansk [i.e. Barents] Seas.

About 500 observations, made in 1891-94, of sea-water temperature (often at various depths), and (usually) density and salinity.

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8867. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Opredelitel' ryb moreĭ Barentsova, Belogo i Karskogo. Moskva, 1926. 183, [1] p., plates (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy. Vyp. 27) *Title tr.:* Guide for determination of the fishes of Barents Sea, White Sea and Kara Sea.

Description of one hundred forty-seven species of fish, their distribution, one hundred twenty-six illustrations, and indexes for Russian and Latin names. Summary in English.

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8868. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Opredelitel' nye tablitsy morskikh i prokhodnykh ryb Evropeiskogo Ledovitogo okeana o moreĭ Belogo i Karskogo. 2-e izd. Moskva, 1926. 36, [1] p. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy. Vyp. 31) *Title tr.:* Tables for determination of marine and migrating fishes of the European Arctic Ocean and the White and Kara Sea. 2d edition.

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8869. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Osnovy gidrologii Evropeiskago Ledovitago okeana. Grundzüge der Hydrologie der Europäischen Eismeeres. S.-Petersburg, 1906.

xii, 1510 p. tables. (Vsesoiuznoe geograficheskoe obshchestvo. Zapiski. T. 42) *Title tr.*: Foundations of the hydrology of the European Arctic Ocean.

Based on the published results of the Russian expedition for scientific and applied investigation on the Murman coast, 1898-1901, on simultaneous investigations of the *Ermak* under Admiral S. O. Makarov, on the author's work, 1891-95, and some subsequent research by the Russian Hydrographic Department in the Barents and White Seas.

Contains a comprehensive presentation of the temperature-salinity relationships, the water layers and masses and their movements, conditioned by currents and submarine topography; the nitrogen and oxygen conditions, transparency and color of the sea water, current measurements and distribution of ice in connection with them; the biological conditions and distribution of fauna, and the geological question of simultaneous formation of different deposits and of geologic climate.

Tables of temperature, salinity, currents and transparency observations appear throughout the text. Summary in German, p. 1401-1510. An abstract was published as the author's *Hydrologische Untersuchungen im Europäischen Eismeer*, 1905, q.v.

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8870. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Otchet o plavanii v Ledovitom okeane na kreiserie 2-go ranga "Nahezdnik" lietom 1893 goda. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1894. T. 24, vyp. 1, p. 165-210) *Title tr.*: Report on a trip to the Arctic Ocean on the cruiser *Nahezdnik* in the summer of 1893.

Contains a brief itinerary of the cruise from Revel, around the Scandinavian Peninsula into the White Sea, to Novaya Zemlya, via Matochkin Shar, Yugorskiy Shar, Kolguyev Island, Kanin Peninsula, Murman coast, returning to the Baltic Sea. Data on the color, density, salinity and temperature of sea water in various stations; a list of twenty-eight species of fishes, mostly from eastern Barents Sea, with ecological and economic notes; some general information on fishing, sealing and whaling in the region traversed.

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8871. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Otchet ob ekskursii na Solovetskuiu biologicheskuiu stantsiiu lietom 1890 goda. (Ocherk raspredeleniia fauny bezpozvonochnykh u beregov Solovetskikh ostrovov). (Leningradskoe obshchestvo estestvoispytatelei. Trudy. Otdelenie zoologii i fiziologii, 1891. T. 22, vyp. 1, p. 21-47) *Title tr.*: Report on an excursion to Solovetsk Biological Station in the summer of 1890. (Essay on distribution of the fauna of Invertebrata on the coast of the Solovetskiye Islands).

Contains data on vertical distribution of marine fauna in the waters of Solovetskiye Islands, in the White Sea, based on the author's explorations during his trip to Solovetsk Biological Station in 1890, with notes on echinoderms, crustaceans, molluscs, sponges, ascidians, etc., in various parts of Solovetsk waters and their distribution in three vertical zones: (1) littoral, (2) laminaria and red algae zone, (3) deep zone. Typical formations are discussed and compared with those of the Murman coast and Kara Sea.

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8872. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Tralovyi lov v vodakh RSFSR. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1925. Vyp. 23: Tralovye raboty Severnoi nauchno-promyslovoi ekspeditzii v Severnom Ledovitom okeane v 1920-21 gg., p. 5-7) *Title tr.*: Trawl fishing in waters of R.S.F.S.R.

A brief report on the development of the trawl fisheries in Barents Sea with statistics for the British catch, 1906-13, and the Russian catch 1919-24. Summary in English, p. 71.

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8873. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Ueber den Reliktensee "Mogilnoje" auf der Insel Kildin an der Murman-Küste. (Akademiia nauk SSSR. Bulletin, 1895. Ser. 5, t. 3, p. 459-73, map, fold. diagr.) *Title tr.*: On the relict lake Mogilnoye, on Kil'din Island, Murman coast.

Report on the biological and physical observations made during the author's brief visits to the island, 1893-94. Includes some values for temperature, salinity, and specific gravity of the water, July-Sept., discussion of the lake's position and probable origin,

relative to the nearby Barents Sea, and of its marine and mixed fauna, their distribution relative to the lake's salinity, and their interrelations, with remarks on the nature of the bottom.

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8874. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Zadachi i metody ikhtiologicheskikh issledovaniĭ Severnoi nauchno-promyslovoi ėkspeditzii. Petrograd, 1920. 16 p. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy. Vyp. 3) **Title tr.:** Problems and methods of ichthyologic investigations of the Northern Scientific and Economic Expedition.

Contains discussion of method in general and tasks of the Russian Ichthyological Expedition 1920; program of investigations of seven sections of the Expedition, the Murmansk, White Sea, Cheshskaya, Yugor, Kara, Kola and Pechora parties.

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8875. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Zoologische Ergebnisse der russischen Expedition nach Spitzbergen im Jahre 1899. Über die postpliocänen Mollusken und Brachiopoden von Spitzbergen. (Akademiĭa nauk SSSR. Bulletin, Avril 1900. Sér. 5, t. 12, p. 377-86) **Title tr.:** Zoological results of the Russian Expedition to Spitsbergen, 1899. On the post-Pliocene molluscs and brachiopods of Spitsbergen.

Based on collections of the Swedish-Russian Expedition for the Measurement of an Arc of Meridian, 1899-1900.

Contains simple lists of species from twelve localities mostly on the east coast of West Spitsbergen, representing altogether, fifty-six species.

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8876. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Zoologische Ergebnisse der Russischen Expeditionen nach Spitzbergen. Mollusca und Brachiopoda. I. Ueber die in den Jahren 1899-1900 im Gebiete von Spitzbergen gesammelten recenten Mollusken und Brachiopoden. Akademiĭa nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1901. T. 6, p. 435-558, 2 plates) **Title tr.:** Zoological results of the Russian Expedition to Spitsbergen. Mollusca and Brachiopoda I. On recent molluscs and brachiopods collected in the Spitsbergen waters, 1899-1900.

Based on the work of three members of the Russian Expedition to Measure an Arc of Meridian on Spitsbergen, 1898-1902.

Contains a systematic list, with synonyms, localities, depths, bottom sediments, and other notes, of one hundred twenty-two species and varieties of molluscs and four species of brachiopods.

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8877. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Zoologische Ergebnisse der Russischen Expeditionen nach Spitzbergen. Mollusca und Brachiopoda II und III. (Akademiĭa nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1902. T. 7, p. 355-459, 2 plates, sketch map, tables) **Title tr.:** Zoological results of the Russian Expedition to Spitsbergen. Mollusca and Brachiopoda II and III.

Based on collections made in 1901 by the Russian Expedition for the Measurement of an Arc of Meridian on Spitsbergen.

Contains (pt. 2) a classified annotated list, with localities, depths, bottom characteristics and water temperatures, of eighty-six recent marine mollusc species and subspecies and two species of brachiopods from Stor Fiord; and (pt. 3) a discussion of the post-Pliocene molluscs and brachiopods from Spitsbergen, annotated list of fifty-nine species and subspecies collected, and tabular summary of all known recent and Quaternary species from western, eastern and northern West Spitsbergen; with a list of stations showing position, depths, bottom sediments and water temperatures, and apparatus used; bibliography (13 items).

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8878. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Zoologische Ergebnisse der Russischen Expeditionen nach Spitzbergen. Ueber die in den Jahren 1899-1900 im Gebiete von Spitzbergen gesammelten Fische. (Akademiĭa nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1901. T. 6, p. 56-83) **Title tr.:** Zoological results of the Russian Expedition to Spitsbergen. On the fishes collected in Spitsbergen waters, 1899-1900.

Based on collections made by three members of the Russian Expedition for the Measurement of an Arc of Meridian in Spitsbergen, 1898-1902.

Contains a list, with synonyms, localities, depths, and notes on size, of twenty-four species of fishes.

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8879. KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939. Eine zoologische Excursion im nordwestlichen Theile des Weissen Meeres im Sommer 1895. (Akademiâ nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1896. T. 1, p. 278-326) **Title tr.:** A zoological excursion into the northwestern part of the White Sea, summer 1895.

Report on investigations of physical geography and zoogeography of Kandalaksha Gulf, White Sea, made during a survey for the Agriculture and Interior Departments of the Russian government. Contains an account of the bottom sediments, and temperature-salinity relationships of the Gulf; an annotated list of seventy-five species of marine molluscs and brachiopods collected there, and a detailed discussion of their ecology and geographic distribution, the fauna of cold and warm zones, and of arctic zoogeography in general.

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KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939, see also Derûgin, K. M. Fauna Ekaterinenskoï gavanî. 1906.

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KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939, see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen II. Versammlung 1928. 1929.

KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939, see also Makarov, S. O. Ermak vo l'dakh. 1901.

KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939, see also Pedashenko, D. D. Otchet o sostoiânii Solovetskoi biol. stantzii 1897. 1897.

8880. KNIPOVICH, NIKOLAI STEPANOVICH. Ichthyologische Untersuchungen im Eismeer. I. Lycodes und Lyncenchelys. St.-Petersbourg, 1906. 1 p. l., 130 p. plate, tables, map (Akademiâ nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique, t. 19, no. 1) **Title tr.:** Ichthyological studies in

the Arctic Ocean. 1. *Lycodes* and *Lyncenchelys*.

Contains full descriptions, and notes on distribution, life-histories, etc., of one new subspecies of *Lyncenchelys* and eleven (including three new) species and three new subspecies of *Lycodes*, found in Eurasian arctic seas and especially in the Barents Sea; a key to these species; and a chapter on their geographic distribution.

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8881. KNIPOVICH, NIKOLAI STEPANOVICH. Ichthyologische Untersuchungen im Eismeer. II. Gymnelis und Enchelyopus s. Zoarces. St.-Petersbourg, 1908. 1 p. l., 40 p. illus., tables, map. (Akademiâ nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique, t. 22, no. 4) **Title tr.:** Ichthyological studies in the Arctic Ocean. 2. *Gymnelis* and *Enchelyopus* s. *Zoarces*.

Contains full account of the literature, descriptions, distribution, life histories, and measurements of *Gymnelis viridis* and *Enchelyopus* s. *Zoarces viviparus*, especially in the Barents Sea.

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8882. KNIPOVICH, NIKOLAI STEPANOVICH. Zur Ichthyologie des Eismeeres. Die von der Russischen Polar-Expedition im Eismeer gesammelten Fische. St.-Petersbourg, 1907. 1 p. l., 53 p. 2 plates, table. (Russkaiâ polárníâ ékspeditsiia, 1900-1903. Résultats scientifiques. Sect. E, Vol. 1, livr. 5. Pub. as: Akademiâ nauk SSSR. Mémoires. Sér. 8, Classe physico-mathématique, t. 18, no. 5) **Title tr.:** Ichthyology of the Arctic Ocean. The fishes collected by the Russian Polar Expedition in the Arctic Ocean.

Contains a list, with descriptions and localities of thirteen (including two new) species and one subspecies of fishes from the Barents, Kara, and Laptev Seas.

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KNIPOVICH, NIKOLAI STEPANOVICH, see also Hjort, J., & N. S. Knipovich, eds. Bericht über d. Lebensverhältnisse nordischen Seehunde. 1907.

8883. KNOPF, ADOLPH, 1882- . The copper-bearing amygdaloids of the White River region, Alaska. (Economic geology, Apr. 1910. v. 5, p. 247-56)

A description of the occurrence and its origin; results of field work under the U. S. Geological Survey, in area

62°N. just west of 141°W. (international boundary). *Copy seen:* DGS.

8884. KNOPF, ADOLPH, 1882-. The Eagle River region, southeastern Alaska. Washington, U. S. Govt. Print. Off., 1912. 62 p. 2 plates, 3 fold. maps (2 in pocket) diags. (U. S. Geological Survey. Bulletin 502)

Results of a topographic and geologic survey, 1909-10, of the area between Gastineau Channel, just north of Juneau, to Berners Bay, a part of the Juneau gold belt, showing the broader features of the distribution of rock formations and the nature of the (gold) ore deposits, with notes on glaciation and descriptions of individual properties. *Maps:* geologic and topographic, contour interval 50 ft., scale 1:62,500. *Copy seen:* DGS.

8885. KNOPF, ADOLPH, 1882-. Geology of the Berners Bay region, Alaska. Washington, U. S. Govt. Print. Off., 1911. 58 p. illus., 2 fold. maps (in pocket) diags. (U. S. Geological Survey. Bulletin 446)

Contains results of field work, 1909, in the northwestern extremity of the Juneau gold belt; notes on physical features, climate (12 and 10-year data for Juneau and Skagway), vegetation and glaciation, description of the stratigraphy, gold deposits (including origin) and of the individual mines and prospects. *Maps:* (1) geologic and (2) topographic, contour interval 50 ft., scale 1:62,500. *Copy seen:* DGS.

8886. KNOPF, ADOLPH, 1882-. Geology of the Seward Peninsula tin deposits, Alaska. Washington, U. S. Govt. Print. Off., 1908. 71 p. illus., 9 plates (incl. fold. map) diags. (U. S. Geological Survey. Bulletin 358) Issued also as House doc. no. 1033, 60th Cong., 2d sess.

Contains results of investigations, 1907, on the occurrence and origin of tin, with description of the general geology and mineralogy of the region, and (in detail) of the lode and placer deposits. Includes a topographic map of the York tin region, indicating lead, tungsten and tin possibilities.

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8887. KNOPF, ADOLPH, 1882-. The probable Tertiary land connection between Asia and North America. (California. University. Publications in the

geological sciences, 1910. v. 5, p. 413-20)

Discussion of the evidence of such a connection, based on the geologic features of Seward Peninsula.

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8888. KNOPF, ADOLPH, 1882-. The Seward Peninsula tin deposits. (*In:* U. S. Geological Survey. Mineral resources of Alaska in 1907. Bulletin, 1908. No. 345, p. 251-67)

A report on the mode of occurrence, and development of lode and placer tin in the Ear Mt., Buck Creek, Cape Mt., and Lost River localities.

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8889. KNOPF, ADOLPH, 1882-. The Sitka mining district, Alaska. Washington, U. S. Govt. Print. Off., 1912. 32 p. illus., fold. map (U. S. Geological Survey. Bulletin 504)

Contains notes on history, geography, and general geology of the district as a whole, also on the geology and gold deposits of Klag Bay and Sitka, with special descriptions of the mines and remarks on granite and gypsum.

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KNOPF, ADOLPH, 1882-, *see also* Moffit, F. H., & others. Mineral resources of Nabesna-White River district. 1910.

KNOPF, ADOLPH, 1882-, *see also* Paige, S., & A. Knopf. Geologic reconnaissance in Matanuska & Talkeetna basins. 1907.

KNOPF, ADOLPH, 1882-, *see also* Paige, S., & A. Knopf. Reconnaissance Matanuska & Talkeetna basins. 1907.

KNOPF, ADOLPH, 1882-, *see also* Paige, S., & A. Knopf. Stratigraphic succession northeast Cook Inlet. 1907.

8890. KNOTHE, HERBERT, 1898-. Spitzbergen; eine landeskundliche Studie. Gotha, J. Perthes, 1931. 109, [1] p. 8 plates (incl. fold. map, charts, fold. diags.) (Petermanns geographische Mitteilungen; Ergänzungsheft nr. 211) *Title tr.:* Spitsbergen; a geographical study.

Results of the author's observations during the Second Hamburg Spitsbergen Expedition, 1927, and on a study of the published literature.

Contents tr.: 1. Position. 2. Size. 3. Boundaries (the coasts and Northeast

Land). 4. Structure (topography and glaciation, geologic structure).

5. The waters around Spitsbergen. North polar basin, Greenland Sea, Spitsbergen fords, Barents Sea, and ice conditions.

6. The climate. Climatic characteristics at Green Harbour; simultaneous comparative observations from other localities; climatic divisions; and relation to other regions.

7. Morphologic landforms dependent upon climate: structural soils, weathering and soil formation.

8. Vegetation. Ecologic, edaphic, and biotic factors.

9. Animal life. Land mammals, birds and lower forms. Marine mammals, fish and invertebrates. Animal ecology.

10. Man on Spitsbergen. History of exploration; whaling, hunting, mining, trade, and sovereignty.

11. Spitzbergen's landscapes. (Regional descriptions). Bibliography (249 items).

Reviewed by E. Biel in *Meteorologische Zeitschrift*, 1932, Bd. 49, Heft 1, p. 44-46. **Copy seen:** DLC.

8891. KNOWLES, FRANCIS HOWE SEYMOUR, 1886-. The glenoid fossa in the skull of the Eskimo. Ottawa, Govt. Print. Bur., 1915. 14 p., 16-24 numb. I. incl. 4 plates (Canada. National Museum. Bulletin no. 9. Anthropological series, no. 4)

Description and discussion in reference to jaws, teeth and diet. Comments by Hawkes, E. W., and W. D. Wallis, *A note on the glenoid fossa*, q.v., and by Sullivan, L. R., *Variations in the glenoid fossa*, q.v. **Copy seen:** DLC.

8892. KNOWLTON, FRANK HALL, 1860-1926. Fossil plants from Kukak Bay. (*In:* Emerson, B. K. *Geology and paleontology. Harriman Alaska series*, 1904. v. 4, p. 147-62, 6 plates)

List, with synonymy and other remarks, of twenty-six (including, with descriptions, nine new) species from the Alaska Peninsula, with discussion of their biology and geology.

Copy seen: DLC.

8893. KNOWLTON, FRANK HALL, 1860-1926. The Jurassic flora of Cape Lisburne, Alaska. (*In:* U. S. Geological Survey. Shorter contributions to general geology, 1913. Professional paper, 1914. No. 85, p. 39-55, 4 plates)

Contains a discussion of the earlier collections made at Cape Lisburne, and their age; of the arctic and antarctic distribution of Jurassic flora, and the means and avenues of dispersal. List and descriptions of seventeen (including one new) species of fossil plants, collected 1904, by A. J. Collier, of the U. S. Geological Survey.

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8894. KNOWLTON, FRANK HALL, 1860-1926. List of plants collected by Mr. Charles L. McKay at Nushagak, Alaska, in 1881, for the United States National Museum. (U. S. National Museum. Proceedings 1885, *pub.* 1886, v. 8, p. 213-21)

Simple list, with locality and date of specimens collected, of about one hundred fifty species.

Copy seen: DLC.

8895. KNOWLTON, FRANK HALL, 1860-1926. A lower Jurassic flora from the upper Matanuska valley, Alaska. (U. S. National Museum. Proceedings, 1917. v. 51, p. 451-460, plates 79-82)

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8896. KNOWLTON, FRANK HALL, 1860-1926. Notes on the examination of a collection of inter-glacial wood from Muir Glacier, Alaska. (*Journal of geology*, July-Aug. 1895. v. 3, p. 527-32)

List, with descriptions and locations, of six specimens collected by H. F. Reid in 1892, and remarks on the four species of trees to which they are referred.

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8897. KNOWLTON, FRANK HALL, 1860-1926. Report on the fossil plants collected in Alaska in 1895 as well as an enumeration of those previously known from the same region, with a table showing their relative distribution. (*In:* Dall, W. H. Report on coal and lignite of Alaska. *Pub.* in U. S. Geological Survey. Annual report, 1895-96, *pub.* 1896. v. 17, pt. 1, p. 876-97, tables)

List, with locations, synonymy and tables of distribution, of one hundred twelve species of fossil plants known to occur in Alaska, with indication of occurrence in Mackenzie River basin, West Greenland, and West Spitsbergen.

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8898. KNOWLTON, FRANK HALL, 1860-1926. A review of the fossil flora

of Alaska, with description of new species. (U. S. National Museum. Proceedings, 1894, pub. 1895. v. 17, p. 207-240, plate 9)

Contains a historical review of works relating to fossil flora of Alaska, a systematic enumeration of the fossil plants with descriptions of a new species, and table showing local and general distribution of Alaskan plants, with some discussion of the geologic age of plants' beds. **Copy seen:** DLC.

8899. KNUDSEN, K. Ornithologiske notitser fra Nordøstgrønland. (Dansk ornithologisk forening. Tidsskrift, Dec. 1933. Aarg. 27, p. 93-95) **Title tr.:** Ornithological notes from northeast Greenland.

Notes on Steller's eider, red-breasted goose, a guillemot, owl, and blackbird from the region 73°-75°N.

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8900. KNUDSEN, MARTIN HANS CHRISTIAN, 1871-. Dr. Thorild Wulff's hydrographical investigations in the waters west of Greenland; report worked out by Martin Knudsen in August 1918. 1923. (*In:* Thule ekspeditionen til Grønlands nordkyst, 2d, 1916-1918. [Beretninger] nr. 3. Pub. in Meddelelser om Grønland, 1927. Bd. 64, p. 89-100, sketch map, diagr.)

Discussion and tables of oceanographic observations made on the west coast of Greenland from Disko Bay to Smith Sound, July-Nov. 1916.

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8901. KNUDSEN, MARTIN HANS CHRISTIAN, 1871-. Hydrography. (Ingolf-expedition, 1895-1896. [Reports] 1899. v. 1, pt. 1, p. 23-161, incl. tables. 27 plates (26 diagrs.) 7 charts (2 fold.))

The Danish cruiser *Ingolf* made oceanographic investigations in Davis Strait as far north as about 67°30'N., in Denmark Strait to about Angmagssalik, and in Greenland Sea between Iceland and Jan Mayen, during May-Aug. in both years, 1895, 1896. Author gives here discussion of methods; tables of wind, surface and deep-water temperature, salinity, chlorinity, gases (oxygen and nitrogen) and specific gravity; descriptions of hydrographic sections which include the East Greenland Polar Current, the Irminger Current, and the water masses of both straits.

Illus., etc.: vertical temperature-salinity diagrams, surface isohalines and isotherms.

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8902. KNUDSEN, MARTIN HANS CHRISTIAN, 1871-. Ingolf-expeditionens hydrografiske undersøgelser. (Geografisk tidsskrift, 1897/98. Kjøbenhavn, 1898. Bd. 14, p. 151-59, diagrs., fold. map) **Title tr.:** The hydrographical investigations of the *Ingolf* Expedition.

Discussion (based on observations made during the *Ingolf* Expeditions 1895 and 1896) of temperature, salinity, and currents in arctic waters.

Copy seen: DLC.

8903. KNUDSEN, MARTIN HANS CHRISTIAN, 1871-, and C. E. H. OSTENFELD. Iagttagelser over overfladevandets temperatur, saltholdighed og plankton paa islandske og grønlandske skibsrouter i 1898-1899. Kjøbenhavn, G. E. C. Gad, 1899-1900. 2 v. tables (part fold.) fold. charts. **Title tr.:** Reports on surface sea-water temperatures, salinity and plankton on the Iceland and Greenland shipping routes 1898-99.

Based on reports of ships in the waters east, south, and west of Iceland, in lower Denmark Strait and lower Davis Strait.

Contents tr.: Knudsen, M. Hydrographic results. (Tabular data and some discussion, with charts).

Ostenfeld, C. H. The plankton. (Discussion, annotated lists, and tables of diatoms and dinoflagellates).

File seen: NNSStef.

8904. KNUDSEN, RAGNVALD, 1858-. Kapt. R. Knudsens fangstrejse til østkysten af Grønland 1889 med det norske saelfangerdampskib "Hekla". (Geografisk tidsskrift, Kjøbenhavn, 1890. Bd. 10, p. 143-48) **Title tr.:** Captain R. Knudsen's sealing expedition to the east coast of Greenland 1889, in the Norwegian sealing steamer *Hekla*.

Account of a sealing reconnaissance trip to the Clavering Island region of East Greenland and northward to 74°-30'N. (the northernmost point of East Greenland coast at that time reached by ship).

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8905. KNUDSEN, RAGNVALD, 1858-. Under østkysten af Grønland 1893. (Geografisk tidsskrift, 1893/94. Kjøbenhavn, 1894. Bd. 12, p. 158-60, sketch

map) *Title tr.*: Under the east coast of Greenland, 1893.

Account of a sealing reconnaissance trip, in the *Hekla* 1893, in Denmark Strait close to the coast of Greenland, with description of ice conditions and of the coast itself (about 68°N.).

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KNUDSEN, RAGNVALD, 1858-, see also Giæver, J. Kapten R. Knudsens Ishavsferder. 1937.

8906. KNUDSEN, THOR. Ishavsbyen Tromsø. (Polar-Årboken, 1935, p. 54-60, illus.) *Title tr.*: The Arctic Ocean city of Tromsø.

Notes on Tromsø as the home of arctic sailors and hunters. Protest against Russian activities in European arctic waters.

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8907. KNUTH, EIGIL, Greve, 1903-. Bidrag til Vesterbygdens topografi. (Grønlandske selskab. Aarsskrift, 1944. p. 81-124, illus. diagrs. maps, table)

Contains an account of the author's archeological investigations of Norse ruins in the more inaccessible parts of Vesterbygden (approx. 64°30'-65°20'N. 49°40'-51°W.), the Akuliarssiarssuk area and at Lake Isortuarssuk, etc., 1932, 1934; also describes Eskimo ruins in the areas north and south of Austmannadal, West Greenland.

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8908. KNUTH, EIGIL, Greve, 1903-. Fire mand og solen; en tur over Grønlands indlandsis, 1936. København, Gyl-dendal, 1937. 123, [1] 2 l. illus., plates, ports., maps (1 fold.) 23x18½cm. *Title tr.*: Four men and the sun. A journey across the Greenland icecap.

Account of the French Trans-Greenland Expedition, 1936, by one of its members. Describes the ascent and crossing of the icecap to Basehut, near Angmagssalik in 48 days; with summary of the party's observations on altitudes, temperature, wind, magnetic variation, etc. Includes tables, statistics, route maps.

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8909. KNUTH, EIGIL, Greve, 1903-. Grønlandske billeder. (Grønlandske selskab. Aarsskrift, 1948. p. 61-80, illus.) *Title tr.*: Greenlandic pictures.

Contains a critical review of the work of Aron the Greenlandic painter of Kangeq; notes his woodcuts and water-

colors in the national museums in Copenhagen and Oslo, his illustrations for Dr. Rink's books, and for Lars Møller's Greenlandic newspaper.

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8910. KNUTH, EIGIL, Greve, 1903-. Report on the expedition and on subsequent work at the Mørkefjord station. København, C. A. Reitzel, 1942. 159, [1] p. incl. illus. (incl. plan, 7 sketch maps) port., tables. fold. map. (Meddelelser om Grønland. Bd. 126, nr. 1)

The Danish Northeast Greenland Expedition, 1938-39, sent out by Alf Trolle, Ebbe Munck and Eigil Knuth, in memory of the *Danmark* Expedition of 1906-1908, under the joint leadership of Ebbe Munck and Eigil Knuth, had its headquarters at Mørkefjord, 76°56.1'N. 20°18.2'W. Its program called for research in meteorology, geology, and biology, with geographic exploration.

Contains a detailed account of the scope, plans, finances and organization of the expedition; its personnel, refitting of a ship, the airplane used for ice scouting, the food, clothing and equipment (listed according to use) the dogs and their food.

Description of ice conditions during the voyage; the station and other camps and their equipment, permanent huts constructed.

Sketch of the activities during the wintering, the spring sledge journeys northward to 81°50'N.; detailed lists of equipment for these journeys, and brief reports from them.

List of one hundred fifty-six geographic names proposed by the expedition; and summary of winterings subsequent to the expedition, 1939-40, 1940-41, and 1941-42, by small groups of men.

Map: Northeast Greenland from 76°-83°N. scale 1:2,000,000, with corrections sketched from sledge journey observations.

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8911. KNUTHSEN, HJ., and others. Husdyrhold i Grønland (Grønlandske selskab. Aarsskrift, 1906. p. 42-56) *Other authors*: R. Müller, C. Brummerstedt and G. Meldorf. *Title tr.*: Domestic animals in Greenland.

Notes that domestic animals were part of the old Norse colonies in Greenland. Suggests sending young Greenlanders to Iceland or The Faroes to

learn farming and care of cattle; need for increased growth of grain and grass for fodder; soil-improvement, etc. Contains statistics on cattle herds in Greenland. *Copy seen:* NN.

8912. KNUTHSEN, HJ., and others. Om mulighederne for renavl i Grønland. (Grønlandske selskab. Aarskrift, 1906. p. 57-66) *Title tr.:* Concerning the possibilities for reindeer breeding in Greenland. *Other authors:* R. Müller, S. Carstens and C. Brummerstedt. *Contains* opinions on the practicability of introducing domesticated reindeer into Greenland, the expense, possible breeding localities; also statistics on wild reindeer hunting, 1838-55.

Copy seen: NNStef.

8913. KNUTHSEN, HJ. Selskabets program. (Grønlandske selskab. Aarskrift, 1906. p. i-iv) *Title tr.:* The society's program.

States aims of the Greenland Society; stresses necessity for gradual progress, materially and culturally, with no sudden reforms that may cause confusion and embitterment, and for a natural development and growth, based on native population's own resources, needs and desires. *Copy seen:* NNStef.

8914. KNUTSEN, HANS, 1857- , and P. EBERLIN. Om de geologiske forhold: dansk Østgrønland. (In: Østgrønlandske expedition, 1883-1885. Beretninger, 1. del, 4. Pub. in: Meddelelser om Grønland, 1889. 9. hefte, p. 235-70, diags.) *Title tr.:* On the geology of Danish East Greenland.

Contains (by H. Knutsen) a description of the geology, p. 235-49; and (by P. Eberlin) discussion of petrology, mineralogy, and inland ice from 60°45' N. (west of Cape Farewell) to 63°15' N. on the east coast of Greenland, p. 250-64, including, p. 264-70, the transport of clay, gravel and rock by the "storis" (drift ice). Summary in French, p. 381-96.

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8915. KNUTSEN, WILLIE. Milestones in my arctic journeys. (National geographic magazine, Oct. 1949. v. 96, p. 543-70, incl. 11 p. of illus.)

Reminiscences of the author's sojourns in Greenland during the 1930's and World War II; also notes on Prince Patrick Island where he served as officer at the Canadian-U. S. weather station in 1948.

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KNUTSSON, POWL, *see* Thalbitzer, W. C. Powell Knutssons rejse. 1948.

KOBA, K., *see* Okada, Y. On collection Bryozoa N. Kurile Exped. 1933.

KOBAYASHI, YOSHINORI, *see* Okamura, K. On algae from Alaska collected by Kobayashi. 1933.

KOBAYASHI, YOSHIO, *see* Tatewaki, M., & Y. Kobayashi. Contribution to flora Aleutian Islands. 1934.

KOBELEV, IVAN, *see* Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

KOBELEV, IVAN, *see also* Pallas, P. S. Neue nordische Beyträge. 1781-96.

KOBENHAVN. DEUTSCHE WISSENSCHAFTLICHE INSTITUT, *see* Deutsche wissenschaftliche Institut zu Kopenhagen. Veröffentlichungen. R. I.: Arktis. 1942-1943.

8916. KOBIAKOVA, Z. I. Zoogeograficheski obzor fauny Decapoda Okhotskogo i Japonskogo morei. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1936. T. 65, vyp. 2, p. 185-226, illus.) *Title tr.:* Zoogeographic review of the Decapoda fauna from the Okhotsk and Japanese Seas.

Contains a brief hydrological sketch of Okhotsk Sea; a zoogeographic review of its fauna, with a list of eighty-two decapods, including ten new species and thirty-nine new for that sea; statistical analysis of the faunal elements: arctic, boreal, arctic-boreal and sub-tropical; keys for determination of families, genera and species of Decapoda; comparison with fauna of other arctic regions, tabulated data on geographic distribution of Okhotsk Sea decapods in other arctic waters, and a bibliography (38 items). Summary in English.

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8917. KOBOZEV, P. A. Istoricheskii khod i osnovnye momenty kolonizatsii Kol'skogo poluostrova. (In: Khibinskie apatity, 1932. T. 2, p. 226-51, illus., tables) *Title tr.:* Historical course and main stages of colonization of Kola Peninsula.

Contains data on the construction of the Murmansk railroad, p. 228-31; development of the lumber industry, p. 231-37; peat-bog culture, p. 237-41; agriculture, p. 242-49; and means of transportation, p. 249-51.

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8918. **KOBYLINA, O. N.** Nablūdeniā nad poverkhnostnym sloem moriā, vypolnennye v 1932 g. vo vremiā pervogo reisa "Malygina" na zemliū Frantsiia-Iosifa. (Leningrad, Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 34, p. 7-11, tables) *Title tr.*: Surface sea observations made in 1932 during the first voyage of the *Malygin* to Franz Josef Land.

Observations made in Barents Sea, July 11-30, 1932. *Copy seen*: DLC.

KOCH, ALBERT, see Kieffer, J. J., & A. Thienemann. Chironomiden, Bäreninsel. 1919.

8919. **KOCH, JOHAN PETER, 1870-1928.** Bemaerkninger vedrørende de paa Skibsexpeditionen til Grønlands østkyst 1900, opmaalte kyststrækninger mellem 69°20'N.Br. og 72°20'N.Br. (In: Amstrup, G. C. Carlsbergfondets expedition til Øst-Grønland. 1. del, nr. 5. Pub. in: Meddelelser om Grønland, 1902. 27. hefte, p. 273-303, illus., tables, plate VIII (fold. map)) *Title tr.*: Remarks concerning the coast land between 69°20' N. and 72°20' N., surveyed by the Ship Expedition to the East Coast of Greenland, 1900.

Discussion of the physical geography of the region and explanatory remarks to the map; with list of stations.

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8920. **KOCH, JOHAN PETER, 1870-1928.** Captain Koch's crossing of Greenland. (American Geographical Society. Bulletin, 1914. v. 46, p. 356-60, sketch map)

Abbreviated translation of Koch's *Den danske ekspedition til Dronning Louises Land*, 1914, q.v.

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8921. **KOCH, JOHAN PETER, 1870-1928.** Danmark-ekspeditionens kort. (Geografisk tidsskrift, 1911-12. Kjøbenhavn, 1912. Bd. 21, p. 167-77, illus., 7 fold. col. maps) *Title tr.*: The maps of the *Danmark Expedition*.

Brief accounts of surveying trips and explanatory remarks to seven maps of the northeast coast of Greenland (about 74°-84°N.).

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8922. **KOCH, JOHAN PETER, 1870-1928.** Den danske ekspedition til Dronning Louises land og tvaersover Nordgrønlands indlandsis, 1912-13. (Geo-

grafisk tidsskrift, 1913-14. Kjøbenhavn, 1914. Bd. 22, p. 81-84) *Title tr.*: The Danish Expedition to Queen Louise Land and across the North Greenland inland ice, 1912-13. Published in English as *Captain Koch's crossing of Greenland*, 1914.

Preliminary report dated July 19, 1913, from Prøven, North Greenland, containing account of the journey from Denmark Harbor to Queen Louise Land, the wintering near Storstrømmen Glacier, and the trip with sledge and pack horses across Greenland from 76°30'N. on the east coast to 72°45'N. on the west coast; also summary remarks on scientific results.

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8923. **KOCH, JOHAN PETER, 1870-1928.** Durch die weisse Wüste; die dänische Forschungsreise quer durch Nordgrønland, 1912-13, deutsche Ausg., besorgt von Prof. Dr. Alfred Wegener. Berlin, J. Springer, 1919. 1 p. l., v-x, 247, [1] p. front. (port.) 158 illus., 2 fold. maps. *Title tr.*: Through the white desert; the Danish expedition across North Greenland, 1912-13; German edition by Prof. Dr. Alfred Wegener.

Translation (by Alfred Wegener) of J. P. Koch's *Gennem den hvide ørken*, 1913, q.v.

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8924. **KOCH, JOHAN PETER, 1870-1928.** Gennem den hvide ørken; den danske forskningsrejse tvaersover Nordgrønland 1912-13. [Kjøbenhavn] Gyldendal, Nordisk forlag, 1913. 3 p. l., ix-xiv p., 1 l., 5-286 p. illus., ports., 9 maps (3 fold.) *Title tr.*: Through the white desert, the Danish expedition across North Greenland 1912-13.

A second Danish edition was issued in 1914 (same pagination). Also published in German as *Durch die weisse Wüste*, 1919.

Narrative of the Danish Expedition to Queen Louise Land and across northern Greenland, 1912-1913, under J. P. Koch, to make glaciological and meteorological investigations on the inland ice and its border region.

Contains account of the transportation of supplies by motor boat, barge and pack horses from Denmark Harbor (76°45'N.) to Borg Fiord; the wintering in its vicinity near Storstrømmen Glacier; the trip to Queen Louise Land and the horse and sledge journey across Greenland to Prøven (72°45'N.) on the west coast. Includes descriptions of gla-

ciers and the inland ice and the calving of Brede Glacier.

Copy seen: DLC (1913); NNA (1914).

8925. KOCH, JOHAN PETER, 1870-1928. Om fremtidige topografiske arbejder og gletsjermaalinger i Grønland, belyst ved en kritik af dr. M. C. Engells ekspedition i 1902. (Geografisk tidsskrift, 1905-06. København, 1905. Bd. 18, p. 155-64) *Title tr.:* On future topographical works and glacier measurements in Greenland, illustrated through a criticism of Dr. M. C. Engell's expedition, 1902.

Criticism of topographical and glaciological work done in the Jakobshavn Ice Fjord region by the Surveying Expedition to North Greenland, 1902; recommendations on methods to be used in the future.

Engell replied to this criticism in his *Om fremtidige gletsjermaalinger i Grønland*, 1905, q.v.

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8926. KOCH, JOHAN PETER, 1870-1928. Survey of north-east Greenland, 1916. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 6, nr. 2. (Meddelelser om Grønland, 1917. Bd. 46, p. 79-468 incl. illus., tables, diagrs. plates (part fold.) 7 maps (4 fold.))

Contains full description and discussion of the facts and the conditions of work, at the observatory, in base measurement, triangulation and levelling (p. 88-198); including in the latter, extended treatment of the magnitude and variation of the co-efficient of refraction and its close connection with certain meteorological factors, p. 199-240. Includes a discussion of the westward continental drift of Greenland (p. 240-56), and detailed discussion and data on the geographical survey (including extracts from Koch's diary), on the geographical names, topographic survey, etc., p. 257-401. Also a section: "Features of the geography of northeast Greenland", describing the coast lines, the sea along the coast with its drift ice, the bays, fiords, and sounds with their smooth fiord ice and icebergs, the coastal land forms, lakes and water courses, climate and mirages, p. 402-455.

Maps: Danmarks Havn og environs, scale 1:100,000; Nordøst-Grønland, northern sheet (79°-83°20'N.) and southern sheet (74°30'-79°N.), scale

1:1,000,000; Nordøst-Grønland 76°09' to 78°N., scale 1:500,000.

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8927. KOCH, JOHAN PETER, 1870-1928, and A. WEGENER. Die glaciologischen Beobachtungen der Danmark-Expedition. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 6, nr. 1. (Meddelelser om Grønland, 1917. Bd. 46, p. 1-77. illus., plates, double map) *Title tr.:* The glaciological observations of the Danmark Expedition.

Contents tr.: 1. The floating inland ice of Jökul Bay. 2. Glacier between Lamberts Land and Hovgaard Island. 3. Inland ice west of the station; Queen Louise Land, Ymers Nunatak, and moraine district northwest of Annek's Lake (in Germania Land). 4. Inland ice of Crown Prince Christian's Land. 5. Local glaciers and firn regions. 6. Snowdrift glacier on Germania Land. 7. The "Gnipa Hole" (a subglacial, steam-eroded cavity north of the base, in which glaciological research on water and ice temperatures, etc., was carried out).

The paper is illustrated throughout, and in detail, with reproductions of photographs, showing glaciological forms.

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8928. KOCH, JOHAN PETER, 1870-1928, and A. WEGENER. Wissenschaftliche Ergebnisse der Dänischen Expedition nach Dronning Louises Land und quer über das Inlandeis von Nordgrønland 1912-13 unter Leitung von Hauptmann, J. P. Koch. [København, C. A. Reitzel, 1930.] 2 v. in 1. 676 p. illus., plates (1 fold.) port., maps (part fold.) tables, diagrs. (1 fold.) (Meddelelser om Grønland. Bd. 75) *Title tr.:* Scientific reports of the Danish Expedition to Queen Louise Land and the traverse across North Greenland's inland ice, under the leadership of J. P. Koch.

Report of the Danish Expedition to Queen Louise Land in 1912-1913, under J. P. Koch, to cross the still unexplored central section of Greenland, to winter on the inland ice and make glaciological and climatological investigations.

Pt. 1. *The journey* (p. 11-47). Account of plans and preparations; the trip in the *Godthaab* via Iceland to East Greenland 76°45'N., the wintering at Storstrømmen Glacier and sledge trips

made from there; the pack horse and sledge trip April-July, 1913, across Greenland to 72°45'N. on the west coast; also discussion of the motor boat and barge, the pack horses and their feed, the ski sledges and other equipment used.

Pt. 2. *Geography* (p. 48-101). Description of geodetic instruments; discussion, with tables, of astronomical determination of places and barometric altitude measurements on Queen Louise Land and the inland ice.

Pt. 3. *Glaciology*. A. Discussion of observations made in the eastern border region, including general description of glaciation in Queen Louise Land and of Storstrømmen Glacier; calving; glacier movement; ice temperatures; crevices and blue bands; ablation; physical properties, p. 102-316.

B. Observations of the firn on the inland ice; thickness; formations; intermittent compression; temperature of the firn ice, p. 316-54.

C. Observations of the snow cover on the inland ice; density and texture; transformation of the new snow into firn; ablation and accumulation of the inland ice, p. 354-82.

D. Remarks on glaciological observations in West Greenland, p. 382-91 (and Iceland, p. 391-404).

Pt. 4. *Meteorology*. The instrumentation and its calibration and exposure at Borg (76°41.3'N. 22°25'W.) are discussed, p. 405-441. The results of daily meteorological observations at 0800, 1400 and 2100 hours, and hourly registering of pressure at Borg during the period Oct. 1, 1912-Apr. 19, 1913, are tabulated, p. 442-63. The course of the various meteorological elements during this period are chronicled, and stormy periods are compared with those of previous expeditions at Danmarkshavn in 1906-08, and at Pustevig in 1907-08; the results of meteorological observations made on the journey over inland ice are tabulated and discussed with emphasis placed on temperature and wind conditions (p. 538-82); analyses and photos of various types of snow and ice crystals are presented (p. 582-608); mirage and optical phenomena at Borg have been catalogued and photographed (p. 609-630); polarization of sky light is discussed on basis of polarization measurements made during Feb. 6-Apr. 16, 1913 (p. 631-61); characteristics

of aurora at Borg in 1912-13 are described and photographed, p. 662-76.

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8929. KOCH, JOHAN PETER, 1870-1928, and C. FØRSLEV. Kampen om Nordpolen i 1926. (Geografisk tidsskrift, København, 1926. Bd. 29, p. 75-79) *Title tr.*: The struggle for the North Pole, 1926.

Discussion of use of aircraft in arctic exploration and brief descriptions of Byrd's, Wilkins' and Amundsen's polar flights in 1926. *Copy seen:* DLC.

KOCH, K. R., *see* International Polar Year. 1st, 1882-1883. Deutsche Polar-Kommission. Beobachtungen-Ergebnisse d. deutschen Stationen. 1886.

8930. KOCH, LAUGE, 1892-. Arachniden. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 400-403, plate)

Detailed description of male and female specimens of a new wolf spider from northeastern Greenland.

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8931. KOCH, LAUGE, 1892-. Au nord du Groenland; traduit du danois par Margrethe Trock. Préface du commandant J.-B. Charcot. Paris, P. Roger, 1928. vii, 291 p., 1 l. 120 illus., 2 fold. maps. *Title tr.*: North of Greenland.

French translation of Koch's *Nord om Grønland*, 1925, q.v.

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8932. KOCH, LAUGE, 1892-. Carboniferous and Triassic stratigraphy of East Greenland. København, C. A. Reitzel, 1931. 99 [1] p. incl. illus., (incl. profiles) plate, tables, 5 col. maps (3 fold.) (Meddelelser om Grønland. Bd. 88, nr. 2)

Summary of previous expeditions' work and results of Koch's mapping and stratigraphic survey (while on the East Greenland Expedition to Christian X's Land, 1930) in the localities: (1) Cape Stosch and vicinity, the Spath Plateau, Mt. Steensby; (2) the southern coast of Clavering Island; (3) Cape Franklin. Bibliography, p. 100.

Maps: topographic and geological maps, sketch maps, etc.

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8933. KOCH, LAUGE, 1892-. Contributions to the glaciology of North Greenland. (In: Thule ekspeditionen til

Grønlands nordkyst. 2d, 1916-1918 [Beretninger] nr. 15. *Pub.* in Meddelelser om Grønland, 1928. Bd. 65, p. 181-464, 140 illus., 5 fold. plates, fold. map)

Based on the author's work during the Second Thule Expedition, 1916-1918, and the Jubilee Expedition, 1920-1923. Descriptions of glaciers in the Melville Bay and Cape York regions in Ingfield Land, the glaciers at the head of Independence Fiord and in Peary Land, and description of the great inland ice glaciers on the north coast; (2) comparison between the ice in North Greenland and in Antarctica; (3) remarks on the physical conditions of North Greenland glaciers; (4) history of inland ice journeys with summary of results; also discussion of altitudinal conditions of the inland ice; (5) conclusions and bibliography.

Maps, etc. As the author's topographical maps (1:300,000) of North Greenland, (which this work was designed to accompany as description of the observations on the inland ice and glaciers embodied in the maps) were delayed in publication, this work itself includes in the text numerous sketch maps, drawings and illustrations from photographs, also 5 folded plates of profile sketches and photographs, and a folded map (1:3,500,000) "Altitudinal conditions of the inland ice in North Greenland," with explorers' travel routes indicated.

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8934. KOCH, LAUGE, 1892-. The Danish Expedition to East Greenland in 1929. (*In:* Østgrønlandske expedition til Kong Christian den X's land, 1929. Preliminary report, pt. 1. *Pub.* in Meddelelser om Grønland, 1930. Bd. 74, p. 167-205, illus., 2 sketch maps (incl. 1 double-face))

Discussion of equipment and day-to-day record (July-Sept. 1929) of the trip in the *Godthaab* along the coast from King Oscar Fiord to Sabine Island, with note of boat and shore parties' trips and work, also weather conditions, etc.

Maps indicate (1) traveling route and ice conditions; (2) areas surveyed by shore parties, etc. *Copy seen:* DLC.

8935. KOCH, LAUGE, 1892-. The Danish Three-year Expedition to King Christian X Land. (Geographical review, Oct. 1933, v. 23, p. 599-607, 2 sketch maps)

Account (in brief) of the seasonal climatic changes, the geology of the region, the icebergs and glaciers, and the archeological investigations.

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8936. KOCH, LAUGE, 1892-. Dansk arbejde i Østgrønland. (Ymer, 1928. Årg. 48, p. 253-81, illus., map) *Title tr.:* Danish work in East Greenland.

Accounts of earlier expeditions to East Greenland and the East Greenland Expedition to King Christian the X's Land, 1926-27; also discussion of the climate, ice conditions, animal life, population and geology of the Scoresby Sound region.

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8937. KOCH, LAUGE, 1892-. A day in North Greenland. (*In:* Hyllingskrift tillägnad Sven Hedin, 1935, p. 609-620, sketch maps) Paper published in a volume prepared in homage to Sven Hedin on his seventieth birthday, Feb. 19, 1935, by the Swedish Society for Anthropology and Geography.

Account of the author's flight in 1933 during the Danish Three-Year Expedition, from Greenland's east coast at 79°05'N, to Peary Land to remap the area; remarks and illustrations of previous maps and of the map prepared by the author; discussion of glaciers, ice conditions and the geology of North Greenland. Challenged in H. Bistrup's *A day in North Greenland; a rectification*, 1938, q.v.

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8938. KOCH, LAUGE, 1892-. The East Greenland ice. København, C. A. Reitzel, 1945. 373 [1] p. illus. (incl. maps) fold. plate (diags.) (Meddelelser om Grønland. Bd. 130, nr. 3)

Based, in part, on the author's experience with various expeditions to East Greenland over a period of twenty-five years, traveling by ship, on sledge, in open water, and through, or over ice. The last "three chapters form the main theme of the paper and deal with the year-to-year, or longer interval variations in the ice in that part of the Arctic around east and southern Greenland and Iceland."—I. I. Schell.

Contents: 1. Ice terminology. Geographical types of ice and their distribution in the Greenland waters; pack ice.

2. Recent ice observations in East Greenland. Fiord and land ice, and land water along the northeast coast; drift ice in the fiords in summer; gla-

ciers of East Greenland from northernmost point to Angmagssalik, and their production of icebergs.

3. The East Greenland ice in the present century. Quantity of ice in the Atlantic, 1898-1938. (Details of melting, of the ice belt, velocity of drift, and observations from Scoresby Sound and Angmagssalik).

4. Statistical treatment of the ice around Iceland and southern Greenland. (Early and recent literature; ice west and east of Cape Farewell).

5. Ice conditions in the past centuries. Ice around Iceland during the last eleven hundred years; in south Greenland in the Middle Ages; the period between the extinction of the Norsemen and development of whaling; the whaling period; Eskimo archeology and climate. Bibliography (163 items).

Reviewed by I. I. Schell in *Arctic*, Sept. 1949, v. 2, p. 120-22.

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8939. KOCH, LAUGE, 1892-. Fra Lissabon til Peary Land. [København] C. Eriksen, 1939. 141 p. 8 plates, 3 maps, diagrs.

Account (for general readers) of an expedition under Koch in the Dornier-VL hydroplane *Perssuak* to northeast Greenland in May 1939, to investigate various geographical problems outstanding from past expeditions, and to map Peary Land from the air. Description of the flight from Lisbon to the base at King's Bay, West Spitsbergen, the plane, equipment, personnel, the base ship *Gustav Holm*; a flight to the Greenland coast (about 81°05'N.) on May 10; and (in more detail) the flight, May 15-16, around and over Peary Land (west by Independence Fiord, "Peary Channel," to J. P. Koch Fiord on the west coast, and return eastward by Frederick E. Hyde Fiord on the north coast). Remarks on hitherto unknown geographic details of the region traversed, on the author's (and others') previous work in Greenland, and on previous flights. (This expedition is reported in *Polar record*, July, 1938, No. 16, p. 92-93).

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8940. KOCH, LAUGE, 1892-. Fra Scoresby sund til Danmarks havn (rapport om Den danske geologiske ekspedition til Østgrønland). (Geografisk tidsskrift, København, 1927. Bd. 30, p. 224-37) *Title tr.*: From Scoresby

Sound to Danmark Harbor; report of the Danish Geological Expedition to East Greenland.

Account (by the leader) of this expedition in 1926-27, to make a geological survey, inspect government houses, and look for new hunting grounds in the region 70°-76°N. Describes organization, etc., the building of headquarters, sledge trips, game, weather. Summary in English. *Copy seen:* DLC.

8941. KOCH, LAUGE, 1892-. The geology of East Greenland. (Meddelelser om Grønland, 1929. Bd. 73, 2. afd., p. 1-204, illus., sketch maps, 5 col. maps)

Geology of East Greenland 70°-76°45'N., based on available literature and investigations made during the Danish Government Expedition to East Greenland, 1926-27.

Discussion of Eleonore Bay formations, the central part of the Caledonian folding range, Devonian and Carboniferous formations. General geological descriptions of various regions, including a preliminary account of the geology of the Scoresby Sound district, by Alfred Rosenkrantz. Jurassic and Neocomian in East Greenland; Tertiary basalt and Tertiary sediments.

Reviewed by C. Schubert in *American journal of science*, May 1930. Ser. 5, v. 19, p. 337-50. *Copy seen:* DLC.

8942. KOCH, LAUGE, 1892-. The geology of Inglefield Land. København, C. A. Reitzel, 1933. 38 p., 1 l. illus., 2 fold. plates, 1 col. map (Meddelelser om Grønland. Bd. 73, 1. afd., nr. 2)

Results of investigations made by the author of Inglefield Land (southern coast of Kane Basin 77°30'-79°30'N.) during the Second Thule Expedition, 1916-1918, and the Danish Jubilee Expedition, 1920-23. Discussion of the gneiss plain and the Paleozoic sediments, with remarks and brief lists of invertebrate fossils found in the latter; bibliography (17 items).

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8943. KOCH, LAUGE, 1892-. The geology of the south coast of Washington Land. København, C. A. Reitzel, 1929. 39 p. illus., 3 plates, (maps, fold. col. profile) (Meddelelser om Grønland, Bd. 73, 1. afd., nr. 1)

Results of investigations made by the author on the southern coast of Wash-

ington Land (on Kane Basin, 80°N., northwest Greenland) during the Second Thule Expedition 1916-1918, and the Jubilee Expedition, 1920-1923. Discussion of nine formations with remarks and brief lists of fossils found in each (cephalopods, gastropods, pelceypods, trilobites, ostracods, brachio-pods, bryozoans, echinoderms, corals, sponges); bibliography (17 items).

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8944. KOCH, LAUGE, 1892-. Ice cap and sea ice in North Greenland. (Geographical review, Jan. 1926. v. 16, p. 98-107, 2 sketch maps)

Contains information on the altitude of the inland ice across North Greenland, description of types of glacier and sea ice, with note of the localities and behavior of the phenomena (also map) from Cape York northeast to Cape Bridgman (83°33'N. 27°45'W.). Includes a full definition of *sikussak*, and a discussion of North Greenland during the Quaternary epoch.

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8945. KOCH, LAUGE, 1892-. Index to Survey of North Greenland. København, C. A. Reitzel, 1942. 19 p. (Meddelelser om Grønland. Bd. 130, nr. 2)

Alphabetical list of place names and expeditions used in the author's work, *Survey of North Greenland*, 1940, q.v., with some errata to that work.

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8946. KOCH, LAUGE, 1892-. Jubilæumsekspeditionen nord om Grønland; rapport om rejserne i 1921 og deres resultater. (Geografisk tidsskrift, 1921-22. København, 1922. Bd. 26, p. 182-87, sketch map) *Title tr.:* The Jubilee Expedition north of Greenland; report of the journeys in 1921 and their results.

Account of the sledge trip from Ingfield Gulf north and east by Smith Sound—Robeson Channel and northern coastal waters to Independence Fiord, and the return across the inland ice to Washington Land. *Copy seen:* DLC.

8947. KOCH, LAUGE, 1892-. Map of North Greenland. Surveyed in the years 1917-23. [Copenhagen] Geodetic Institute of Denmark [1932] [1] l., 18 (i.e. 19) fold. col. maps (in portfolio).

Eighteen quadrangles, scale 1:300,000, with shaded relief and elevations of

peaks noted, for the west and north coasts of Greenland, 75°-84°N. on the west, and 81°-84° across the north coast, from 20°-68°W., and to 74°W. for the Etah quadrangle. Information shown, includes: routes of travel during the surveys of 1917-18, 1922-23, survey stations, astronomical observation stations, villages, ancient village sites (winter houses and tent rings), graves, meat caches, etc., and types of ice (paleocrystic, atlantic, and sikussak). Information on the Second Thule Expedition, 1916-18, and the Jubilee Expedition to North Greenland, 1922-23, during which the surveys were made, may be found in Koch, L. *Survey of North Greenland*, 1940, q.v.

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8948. KOCH, LAUGE, 1892-. Nord om Grønland. København, Levin & Munksgaard, 1925. 279 p. 120 illus. fold. map. *Title tr.:* North of Greenland.

A narrative account for the general reader of Danish Bi-centenary Jubilee Expedition to Greenland in 1920-23, of which the official report was published as the author's *Report of the Danish Bicentenary Jubilee Expedition* [etc.], 1927, q.v.

This narrative follows the report closely in content, order, illustrations, etc., including a few more illustrations, omitting the sketch maps. Describes preparations and equipment, the start from Pitoravik (near 78°N.), the journey through Kennedy Channel to Fort Conger in Grant's Land, across the frozen sea, along north coast of Greenland, the re-discovery of Peary Channel, ascent of Academy Glacier; warm days at Navy Cliff; sledge journey around Cape Bridgman and Cape København, across the inland ice to Kraulshavn, northwest Greenland. Includes data on geography, geology, topography, wildlife, the surveying of the northern coastline, temperature, ice and weather conditions, etc.

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8949. KOCH, LAUGE, 1892-. North of Greenland. (Geographical journal, July 1924. v. 64, p. 6-21, 8 plates, map)

An account of the author's sledge journey during the Jubilee Expedition, around the north coast of Greenland in 1921, to survey Peary Land and the coast to the west. Includes description

of the ice conditions in Kennedy and Robeson Channels. *Copy seen:* DLC.

8950. KOCH, LAUGE, 1892-. Note to maps of Melville Bay from Wilcox Point to Cape York and of North Greenland from 81°-83°35'N. 38°-56°W. 1922. (*In:* Thuleexpeditionen til Grønlands nordkyst. 2d, 1916-1918. [Beretninger] nr. 2. *Pub.* in Meddelelser om Grønland, 1927. Bd. 64, p. 77-88, 2 fold. maps)

Account of the surveying of Melville Bay and the north coast of Greenland, with technical remarks by P. A. Heiberg-Jürgensen, and notes to the two maps.

Maps: (1) Melville Bay from Wilcox Point (about 74°30'N. 56°30'W.) to Cape York, (2) North Greenland 81°-83°25'N. and 38°-56°W.; prepared during the Second Thule Expedition by Lauge Koch (scale 1:500,000; heights indicated). *Copy seen:* DLC.

8951. KOCH, LAUGE, 1892-. Et nyt forkastningsområde i Nordvestgrønland. (*Ymer*, 1925. Årg. 45, p. 329-38, maps) *Title tr.:* A new region in northwest Greenland, where faults occur. English translation was published as *A new fault zone in northwest Greenland*, in *American journal of science*, Oct. 1926. Ser. 5, v. 12, p. 301-310, illus.

Description of the stratigraphy, faults and morphology of the Cape York district, based on observations, 1920-23. *Copy seen:* DLC.

8952. KOCH, LAUGE, 1892-. The physiography of North Greenland. (*In:* Greenland. Copenhagen, 1928. v. 1, p. 491-518, illus., 8 sketch maps)

Contents: Orogenetic summary. Composition of the great plateau of sediments. Various faults in Cape York district (north through Inglefield Gulf region and Prudhoe Land). Morphology of Cape York district. Age of faults and comparison with other regions. Caledonian folding. Summary of geological development. Morphological summary. Short description of various regions. Ice cap. Floating glacier ice. Quaternary epoch. Latest phase. *Copy seen:* DLC.

8953. KOCH, LAUGE, 1892-. Preliminary report on the results of the Danish Bicentenary Expedition to North Greenland. (*Geographical journal*, Aug. 1923. v. 62, p. 103-17, 2 sketch maps)

Contains notes on the outfit, brief account of the journeys across North Greenland (with map of routes) remarks on geographical results, a brief history of "Peary Channel", and notes on the nature of Peary Land.

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8954. KOCH, LAUGE, 1892-. Preliminary report upon the geology of Peary Land, arctic Greenland. (*American journal of science*, Mar. 1923. Ser. 5, v. 5, p. 189-98)

Notes on the stratigraphy, glaciology, and drainage system of ice-free Peary Land, and on the general geology of the region immediately north of Humboldt Glacier, about the 80°N. parallel, based on observations, 1921.

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8955. KOCH, LAUGE, 1892-. The question of Peary Channel. (*Geographical review*, 1925. v. 15, p. 643-49, maps)

A review of the literature and a discussion of the terrain in relation to Peary's observations and to later exploration, in the region of Independence Fiord where "Peary Channel" was in question. *Copy seen:* DLC.

8956. KOCH, LAUGE, 1892-. Rapport om Jubilæums-ekspeditionen nord om Grønland. (*Geografisk tidsskrift*, 1923-24. Kjøbenhavn, 1924. Bd. 27, p. 114-17) *Title tr.:* Report of the Jubilee Expedition north of Greenland.

Summary account of the expedition's work and trips in the coastal regions and inland, north of Cape York - Independence Fiord, 1920-23.

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8957. KOCH, LAUGE, 1892-. Remarks on the map of Dusen Fiord. (*In:* Østgrønlandske expedition til Kong Christian den X's land. Preliminary report, no. 6. *Pub.* in Meddelelser om Grønland, 1930. Bd. 74, p. 383-94, map)

Contains an account of Koch's discovery that Dusen Fiord cuts Ymers Island in two, and of his survey; the naming of the northern part Gunnar Andersson Land; previous cartographic work; remarks on geology, topography, glaciology and biology of Ymers Island. *Copy seen:* DLC.

8958. KOCH, LAUGE, 1892-. Report of the Danish Bicentenary Jubilee Expedition north of Greenland, 1920-23. (*In:* Jubilæumsekspeditionen nord om

Grønland, 1920-23. [Berettelser] nr. 1. Pub. in Meddelelser om Grønland, 1927. Bd. 70, p. 1-232, 106 illus., 13 sketch maps)

Report of the Jubilee Expedition around the north of Greenland, 1920-1923, to survey and map western and northern parts of Greenland from Upernavik to Independence Fiord; to make geological surveys, collect fossils, and make glaciological investigations.

Contains description of equipment; a day-to-day record of Koch's journey along the coast, from Upernavik to Independence Fiord (with notes on "Peary Channel", Academy Glacier, Vildt Land, Adam Biering Land, p. 95-125), and return across the icecap to his headquarters on Ingfield Land; also Nygaard's trip to Washington Land to collect botanical specimens, 1920-21; Koch's subsequent trips from his headquarters (at Igdluorssuit about 78°N. 71°W.) along the west coast and on the icecap, 1921-23. Includes remarks on his cartographical, geological and other work, on geographical features, on remains of former expeditions (e.g. Polaris House and Hall) on Ingfield Land, on game, weather conditions, Koch's use of a tractor, etc.

Most of this report (p. 23-231) is a factual record in diary style, Sept. 4, 1920-Mar. 31, 1923. A narrative account for general readers was published also, as the author's *Nord om Grønland*, 1925, q.v. **Copy seen:** DLC.

8959. KOCH, LAUGE, 1892-. Report on the Geological Expedition to East Greenland 1926-1927. 1930. (Meddelelser om Grønland. København, 1930. Bd. 76, p. 225-82, illus. 2 sketch maps)

Narrative of the East Greenland Expedition to King Christian X's Land 1926-1927, to make a geological survey of the coast north of Scoresby Sound. Day-to-day accounts of Koch's sledge journeys from the base in Scoresby Sound to MacKenzie Bay and Denmark Harbor, with descriptions of ice, snow and hunting conditions and geological formations; also brief account of journeys by A. Rosenkrantz and T. M. Harris to the interior of Jameson Land for geological observations.

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8960. KOCH, LAUGE, 1892-. Some new features in the physiography and geology of Greenland. (Journal of geol-

ogy, Jan.-Feb. 1923. v. 31, p. 42-65, illus.)

Based on the author's investigations in northwestern Greenland, 1916-1922, and on the published results of the expeditions and studies by other people.

Contents: 1. The orography of Greenland. 2. Altitudinal conditions of the inland icecap. 3. The formation of icebergs. 4. The orographic elements; southern and northern gneiss zones, great Paleozoic transgression in northwest Greenland, North Greenland folded chain, great fracture zone on northeast Greenland, and the basalt region. 5. The Greenland fiords. 6. The origin of the depression. Bibliography.

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8961. KOCH, LAUGE, 1892-. Stratigraphy of Greenland. (Meddelelser om Grønland, 1929. Bd. 73, 2. afd., p. 205-320, 5 maps, plate) Also issued as the author's thesis, University of Copenhagen, 1929.

Study of the geological development of Greenland from late Algonkian through Tertiary time based on the author's original investigations and available literature. Contains a summary of the author's journeys in Greenland, 1913-27; summary of the (then) knowledge of sedimentary deposits there; the formations (type locality, derivation of name, character, geographical distribution, thickness, altitude, fauna and flora, paleogeographical remarks); bibliography (93 items) p. 263-67.

Geological development of Greenland, discussing the Smith Sound Geosyncline, the East Greenland Geosyncline, the geology of West Greenland, (especially) the Disko Bay region and Umanak District. Review of the modern literature and correlation of Greenland's geological history with that of northern America and Eurasia.

Reviewed by C. Schubert in *American journal of science*, May, 1930. Ser. 5, v. 19, p. 337-50. **Copy seen:** DLC.

8962. KOCH, LAUGE, 1892-. Stratigraphy of northwest Greenland. København, G. E. C. Gad, 1920. 78 p. 5 plates, fold. map. (Dansk Geologisk Forening. Meddelelser. Bd. 5, nr. 17)

Results of the Second Thule Expedition, 1916-18, which traveled from Upernavik to Cape Washington, near the northernmost point of Greenland.

Contains remarks on historical geology, description of formations and rocks of the regions of Melville Bay, Cape York, Inglefield Land, Humboldt Glacier, Warming Land, Mylius-Ericksen Land, Hall Land, Nyeboe Land, Sherard-Osborn and I. P. Koch Fiords. Includes a bibliography and a geological map. *Copy seen:* DGS.

8963. KOCH, LAUGE, 1892-. Survey of North Greenland. København, C. A. Reitzel, 1940. 364 p. illus., map, and atlas of 21 fold. maps. (Meddelelser om Grønland. Bd. 130, nr. 1)

Deals with the mapping of Greenland north of a line from Etah to Norske Island off Lambert Land (about 79° N.), as carried out by the author on the Second Thule Expedition, 1917, the Bicentenary Jubilee Expedition, 1921-23, the Three-Year Expedition to Christian X's Land, 1931-34, and the Air Expedition to Peary Land, 1938.

Contents: 1. The Smith Sound route and the first journeys along the north coast of Greenland: Franklin search, American Arctic Expedition, 1860, *Polaris* Expedition, 1869-70, Petermann's opinions about the Smith Sound route, British Arctic Expedition, 1874-76, and the U. S. Expedition to Lady Franklin Bay, 1881-84.

2. Robert Edwin Peary. (Details of mapping; résumé of his expeditions).

3. Danish expeditions to East and North Greenland 1906-23: *Danmark* Expedition, 1906-1908, *Alabama* Expedition, 1909-1912, First and Second Thule Expeditions, 1912, 1916-18, and the Bicentenary Jubilee Expedition around North Greenland, 1920-23.

4. Danish expeditions, 1933-38, north of lat. 79°N.: reconnaissance mapping from the air on the Three-Year Expedition, 1931-34; seaplane expedition to Peary Land, 1938; the Peary Channel question.

Maps: "The most important maps of all expeditions to North Greenland, redrawn on the same projection and on a scale of 1:1,000,000, so that a direct comparison of the maps will be possible".

Index was published separately as Koch, L. *Index to the Survey of North Greenland*, 1942, q.v.

Maps resulting from surveys, 1917-23, scale 1:300,000, were published as Koch's *Map of North Greenland*, 1932, q.v.

Copy seen: DLC; DSI-M.

8964. KOCH, LAUGE, 1892-. Two recent journeys on the coast of eastern Greenland. (Geographical journal, Jan. 1928. v. 71, p. 1-15, 8 plates, sketch map)

A paper read before the Royal Geographical Society, Nov. 1927, giving an account of the sledge journeys from Scoresby Sound to Denmark Harbor (Danmark Havn, 76°46'N. 18°45'W.) made by the author, T. M. Harris, and A. Rosenkrantz, during the Danish East Greenland Expedition to King Christian X's Land, 1926-27, and an appendix: Note on the geology of eastern Greenland. Includes discussion, p. 13-15.

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8965. KOCH, LAUGE, 1892-. Über den Bau Grönlands. (Geologische Rundschau, Apr. 1936. Bd. 27, p. 9-30, illus.) *Title tr.:* On the structure of Greenland. Discussion, with bibliography, p. 29-30.

Copy seen: DGS.

8966. KOCH, LAUGE, 1892-. Um Grönlands Norden. Braunschweig, G. Westermann, [1928] 209 p. 19 plates, fold. map. *Title tr.:* Around the north of Greenland.

German translation of Koch's *Nord om Grønland*, 1925, q.v.

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8967. KOCH, LAUGE, 1892-. Vi flyver over isbjørnens land. København, C. Erichsen, 1934. 132 p., 1 l. plates (incl. ports.) *Title tr.:* We fly over the land of the polar bear. Reprinted in 1938.

Account, for general readers, of the author's experiences with the Three-Year Expedition to King Christian X's Land, East Greenland, 1931-34. Description of the author's flights, and his sledge trip, 1933-34; cartographic and geological work accomplished; mineralogical investigations in East Greenland, 1932, and practical work begun in 1933; importance of wildlife to the Eskimos; hunting of seal and walrus, etc., flight to the North; meeting with Col. and Mrs. Charles A. Lindbergh. Koch discusses possibility of Greenland being a key point on the route from America to Europe by way of Iceland; reminiscences from previous expeditions, in particular on events between 1931-34; gives data on weather.

Copy seen: DLC; NN (1934 and 1938 editions).

9968. KOCH, LAUGE, 1892-. De videnskabelige resultater af Jubilaeums-ekspeditionen nord om Grønland. Rapport 1: kartografi og geologi. (Geografisk tidsskrift, Kjøbenhavn, 1923-24, pub. 1924. Bd. 27, p. 208-218, illus., sketch maps) *Title tr.*: The scientific results of the Jubilee Expedition north of Greenland. Report 1: Cartography and geology.

Discussion of previous maps of North Greenland and results of Koch's geological investigation of the northern coastal region between Cape York and Independence Fiord, 1920-23.

A condensed English translation was published (under the title *The geology of North Greenland*) in American journal of science, April, 1925. Ser. 5, v. 9, p. 271-85. *Copy seen:* DLC.

9969. KOCH, LAUGE, 1892-. De videnskabelige resultater af Jubilaeums-ekspeditionen nord om Grønland. Rapport II. Glaciologi. (Geografisk tidsskrift, Kjøbenhavn, 1925. Bd. 28, p. 139-52, maps) *Title tr.*: Scientific results of the Jubilee Expedition north of Greenland. Report II. Glaciology.

Discussion of ice conditions along the northwest coast of Greenland, the glaciers, inland ice (especially) and geology in the region traversed by the expedition (from Cape Robertson north and east by Cape Bridgman to Independence Fiord) and return across the inland ice to Inglesfield Land.

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9970. KOCH, LAUGE, 1892-. Zur geologischen Erforschungsgeschichte Ostgrönlands. (In: Naturforschende Gesellschaft Schaffhausen. Grönland, 1939. Mitteilungen, 1940, pub. 1939. Bd. 16, p. 70-81) *Title tr.*: On geological research in East Greenland (with a chronological list of expeditions, 1822-1939).

Copy seen: DGS.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V., & others. Grønland Kolloquium über Arktis, 1930. Vorträge. 1930.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V., & others. Greenland by Polar Sea. 1921.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V., & others. Grønland langs Polhavet. 1919.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V., & others. Norr om människor. 1919.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V. Report II. Thule Exped. 1916-1918. 1928.

KOCH, LAUGE, 1892-, *see also* Rasmussen, K. J. V., & others. II. Thule-Eksped. 1916-18. 1918.

KOCH, LAUGE, 1892-, *see also* Seidenfaden, G. Notes on map E. Greenland 73°-74°50'N. 1931.

KOCH, LAUGE, 1892-, *see also* Trägårdh, I. O. H. Revision d. v. Thorell u. Koch beschriebenen Acariden. 1901.

8971. KOCH, LUDWIG, 1825-. Arachniden aus Sibirien und Novaja Semlja, eingesammelt von der schwedischen Expedition im Jahre 1875. Stockholm, P. A. Norstedt, 1879. 136 p., 5 plates. (Svenska vetenskapsakademien. Handlingar, bd. 16, no. 5) *Title tr.*: Arachnida from Siberia and Novaya Zemlya, collected by the Swedish Expedition, 1875.

Contains list with localities, and synonymy of two hundred and five species of spiders, mites, etc., including one hundred and ten new species fully described.

Copy seen: DLC.

KOCH, O., *see* Dolch, M., & O. Koch. Kohle Spitzbergen. 1928.

KOCH, WILHELM DANIELS JOSEPH, d. 1849, *see* Fries, E. M. Plantae Suecanae. 1843.

8972. KOCHETKOV, T. P. Predvaritel'nye dannye po stratigrafii, tektonike i uglenosnosti Efremovskogo podniat'ia. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 121, p. 13-21) *Title tr.*: Preliminary data on stratigraphy, tectonics and coal deposits of Yefremovsk.

Geological characteristics of the elevation between the Yefremova and Maksimovka Rivers, eastern Taymyr, (about 73°10'N. 80°25'E.); notes location of coal deposits near the shore of Yenisey Bay by the Matveevka and Lemberova Rivers (about 73°-73°20'N. 80°25'E.).

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KOCHETKOV, T. P., *see also* Kornil'uk, I. I., & others. Nordvik-Khatangskii neftenosnyi raion. 1946.

8973. KOCHNEV, D. A. Ocherki iuridicheskago byta ikkutov. Kazan', Tipo-lit. I. Universiteta, 1899. 176 p. 1 l. (Ka-

zan' Universitet. Obschestvo arkhologii, istorii i étnografii. Izvëstiia. T. 15, vyp. 5-6) *Title tr.*: Sketches of the native laws and customs of the Yakuts.

Contains material on the origin of the Yakuts, their beliefs, social organization, government; customary law and its applications; land ownership, family, marriage, inheritance, legal norms of punishment, etc.; Russian influence on the judicial principles of the Yakuts. *Copy seen*: DLC.

8974. KOECHLIN, RENÉ. The formation of fjords. (Journal of glaciology, July 1947. v. 1, p. 66-68)

Brief discussion of the glacial erosion which forms fjords.

Copy seen: CaOGB; DGS.

8975. KOEFOED, EINAR, comp. Fiskerilitteratur. 1880-1936, 1937-1942/44. (In: Norway. Fiskeridirektoratet. Årsberetning vedkommende Norges fiskerier, 1937-41, 1943-44, pub. 1937-45)

Bibliography of Norwegian publications (and European literature concerning Norwegian seas) on fisheries industry, statistics, biology and research. *Copy seen*: DLC.

8976. KOEFOED, EINAR. Poissons. (In: Orléans, L. P. R., Duc d', Croisière océanographique accomplie à bord de la Belgica dans la Mer du Grönland 1905, pub. 1907. p. 483-500, plate) *Title tr.*: Fishes. (Oceanographic cruise on board the Belgica in Greenland Sea, 1905)

Contains notes on size, color, etc., of twelve of the seventeen species of fishes taken in Greenland Sea and Svalbard waters. *Copy seen*: DSI-M.

8977. KOEFOED, EINAR, and A. de GERLACHE. Océanographie et biologie. Avant-propos. Engins et mode d'emploi. Journal des stations. (In: Orléans, L. P. R., Duc d', Croisière océanographique accomplie à bord de la Belgica dans la Mer du Grönland 1905, pub. 1907. p. 113-272, illus., tables) *Title tr.*: Oceanography and biology. Introduction and apparatus. Journal of the stations (oceanographic observations).

Contains a brief statement of the plan of research, descriptions of the sounding and hydrographic apparatus;

the plankton nets and dredges; and the records of fifty stations, showing position meteorological elements, apparatus used, plankton and/or bottom fauna, and (where taken) the temperature, salinity, density, chlorinity and dynamic calculations from the surface to bottom at regular intervals (0, 20, 50, 100, 150, 200, 300 meters, etc.).

Copy seen: DSI-M.

KOEFOED, EINAR, see also Damas, D., & E. Koefoed. Plankton Belgica 1905, 1907.

KOEFOED, EINAR, see also Helland-Hansen, B., & E. Koefoed. Hydrographie Belgica 1905, 1907.

KOEFOED, EINAR, see also Hjort, J., & others. Oversigt Norsk fiskeri, 1900-1908, 1909.

8978. KÖHLER, R. Note préliminaire sur les échinides, ophiures et crinoides recueillis en 1898 et 1899 par la Princesse Alice dans les régions arctiques. (Société Zoologique de France. Bulletin, 1901. T. 26, p. 98-103) *Title tr.*: Preliminary note on the echinoids, ophiurioids and crinoids collected, 1898-99, by the Princesse-Alice in arctic regions.

Contains a list, with station numbers, depths, and some notes, of thirty species of echinoderms from the waters off northern Norway and Svalbard.

Copy seen: DSI-M.

8979. KOEHLER, ROBERT A. Port Valdez to Copper River, down Copper River to Prince William Sound, thence to Port Valdez. (In: U. S. Adjutant-General's Office. Military Information Division. Reports of explorations in the Territory of Alaska [etc.], 1898, pub. 1899, p. 421-32) Subreports of a party of the U. S. Military Exploring Expedition in Alaska no. 2, 1898.

Contains narrative of trip from Valdez, over Valdez Glacier in August to Klutina River and Klutina Lake, and by boat down the Copper River past Miles and Childs Glaciers to the coast. Includes geographic description of country around Klutina Lake (called Lake Abercrombie by the party), but emphasized the difficulties of summer travel that resulted in the drowning of one member of the party.

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8980. KOELBEL, CARL. Crustacean, Pycnogoniden und Arachnoideen von Jan Mayen. (In: International Polar Year. 1st, 1882-1883. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse, pub. 1886. Bd. 3, Theil 6 E, p. 39-58, 2 plates) *Title tr.*: Crustaceans, pycnogonids, and arachnids from Jan Mayen.

Annotated list, with synonymy and distribution of thirty-four species of crustaceans, six species of sea spiders, and three species of arachnids (including one new spider) collected by Ferdinand Fischer from Jan Mayen and surrounding waters. *Copy seen*: DLC.

8981. KÖNIG, CARL DIETRICH EBERHARD, 1774-1851. Rock specimens. (In: Parry, Sir W. E. Journal of a voyage . . . 1819-20. Supplement to the appendix, 1824, p. cccxvii-ccclvii) Discussion of the petrology of the east coast of Baffin Island and the Canadian Arctic Islands.

Copy seen: DLC.

8982. KÖNIG, HERBERT. Gedanken zur Frage nach der Urheimat der Eskimo. (International Congress of Americanists. 21st, part 2, Göteborg, 1924. Compte-rendu. Göteborg, 1925) *Title tr.*: Thoughts on the question of the original homeland of the Eskimo.

Contains a brief summary of the varied theories of origin of Eskimo culture as advanced by various anthropologists, followed by a discussion of the procedure and criteria necessary for sound results. Includes discussion, by way of illustration of recommended techniques, of house types, "singing duels," and stone carving and their distribution. *Copy seen*: DLC.

8983. KÖNIG, HERBERT. Das Recht der Polarvölker. (Anthropos. Ephemeris, 1927, Bd. 22, p. 690-746; and 1929, Bd. 24, p. 87-143, 621-64) *Title tr.*: Law among the arctic peoples.

Detailed comparative analysis of the legal principles and practices among the aboriginal people of the Arctic, including Eskimos, Aleuts, Kamchadals, Chukchis, Koryaks, Yukaghirs, Tungus, Yakuts, Samoyeds, Ostyaks, and Lapps. Contains discussion of: 1. Social organization.

2. Inter-tribal legal relationships, including delimitation of tribal areas and relationships in war and peace.

3. Criminal law, including punishment and atonement, and the use of the oath.

4. Marriage law, including forms of marriage contract, matrilineal residence, marriage restrictions such as the levirate and polygamy.

5. Property law, including personal, family, and communal property, ownership of whales and other products of the hunt, and debt relationships.

6. Laws of inheritance.

7. Summary of distribution of various legal traits and analysis of cultural relationships indicated thereby.

Bibliography p. 690-95.

Copy seen: DLC.

8984. KÖNIG, HERBERT. Der Rechtsbruch und sein Ausgleich bei den Eskimo. (Anthropos. Ephemeris, 1923-24, Bd. 18-19, p. 484-515, 771-92; and 1925, Bd. 20, p. 276-315, map) *Title tr.*: Law violation and its settlement among the Eskimos.

A study of ethnological jurisprudence, containing (1) introductory discussion of the relation between law, religion, and custom.

2. Detailed definition, classification, and analysis of the types and prevalence of law-breaking among the Eskimos.

3. Description of the agencies and procedures for dealing with crime, including physical duels, singing duels, household justice, and community justice.

Bibliography, Bd. 18-19, p. 488-91.

Map sketches the distribution of Eskimo house forms and types of duels and atonements, from eastern Asia to eastern Greenland. *Copy seen*: DLC.

8985. KÖPPEN, FEDOR PETROVICH, 1831-1908. Geograficheskoe rasprostranenie khvoynykh derev v Evropeiskoi Rossii i na Kavkazie. S prilozheniem, soderzhashchim: Opyt razdeleniia Evropeiskoi Rossii na drevesno-rastitel'nyia oblasti. S. Petersburg, 1885. xx, 634 p. tables, maps, plate. (Akademiia nauk SSSR. Zapiski, T. 50, prilozh. 4) *Title tr.*: Geographical distribution of coniferous trees in European Russia and the Caucasus. With a supplement, containing an essay on the division of European Russia into natural zones of woody vegetation.

Contains detailed data on the geographic distribution of the most im-

portant coniferous trees and shrubs in European Russia, arranged systematically by families and including some species extending to the arctic regions. Appended, p. 523-630, is an attempt at a zone division of woody vegetation and an index of species.

An enlarged German edition of the main part of the work was published as the author's *Geographische Verbreitung der Holzgewächse*, 1888-89, q.v.

Copy seen: NN.

8986. KÖPPEN, FEDOR PETROVICH, 1831-1908. *Geographische Verbreitung der Holzgewächse des Europäischen Russlands und des Kaukasus*. Theil I-II. St. Petersburg, Kais. Akad. d. Wissensch. 1888-89. xxxvi, 668 p.; iv, 592 p. 5 maps. (Beiträge zur Kenntnis des russischen Reiches, 1888. Dritte Folge, Bd. 5; (II) 1889. Dritte Folge, Bd. 6)

This is a German enlarged edition of Köppen, J. P., *Geographisches rasprostranenie khvoynykh derev v Evropeiskoi Rossii i na Kavkazie*, 1885, q.v. The supplementary part of the original work, dealing with the revision of European Russia into zones of woody vegetation, is not included in this German version.

Copy seen: MH.

8987. KÖPPEN, W. *Hydrographische Arbeiten der Kaiserlich Russischen Marine an den Küsten des Eismeers in den Jahren 1893 und 1894*. (Annalen der Hydrographie und maritimen Meteorologie, 1896. Jahrg. 24, p. 24-28) **Title tr.:** Hydrographic program of the Imperial Russian Navy on arctic coasts during 1893-94.

Brief summary of hydrographic surveying and magnetic, geodetic and current investigations carried out in Barents and Kara Seas.

Copy seen: DLC.

8988. KÖPPEN, W. *Klima am unteren Jenissei*. (Österreichische Gesellschaft für Meteorologie. Zeitschrift, 1875. Bd. 10, p. 165-71) **Title tr.:** Climate of the lower Yenisey. From Röttger's Russischer Revue.

General discussion based on data collected by various Russian explorers of the 19th century, in the Krasnoyarsk region.

Copy seen: DLC.

8989. KÖRBER, GUSTAV WILHELM, 1817-1885. *Flechten*. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 75-82) **Title tr.:** Lichens.

List, with localities, of fifty-two (including with descriptions, ten new) species from northeast Greenland.

Copy seen: DLC.

8990. KÖRBER, GUSTAV WILHELM, 1817-1885. *Lichenen Spitzbergens und Nowaja-Semlja's, auf der Graf Wilczek'schen Expedition 1872 gesammelt von Prof. Höfer*. (Akademie der Wissenschaften, Wien. Mathematisch-naturwissenschaftliche Classe. Sitzungsberichte, 1875. Bd. 71, Abt. 1, p. 520-26) **Title tr.:** Lichens of Spitzbergen and Novaya Zemlya from Count Wilczek's Expedition, 1872, collected by Prof. Höfer.

List, with localities, of fifty-one (including with Latin descriptions, five new) species of lichens.

Copy seen: DGS.

8991. KOETTLITZ, REGINALD. Contributions to the natural history of the polar bear (*Ursus maritimus*, Linn.). (Royal Physical Society, Edinburgh. Proceedings, 1898, pub. 1900. v. 14, p. 266-77) Supplementary to W. S. Bruce and W. E. Clarke, *Mammals and birds of Franz Josef Land*, 1899, q.v.

Based on observations of the author (physician and geologist to the Jackson-Harmsworth Expeditions, 1894-97) on over one hundred bears, seen by him. Full notes on behavior, food, size, habits, and diseases.

Copy seen: DSI-M.

8992. KOETTLITZ, REGINALD. Observations on the geology of Franz Josef Land. [Abridged] (Geological Society of London. Quarterly Journal. Nov. 1898. v. 54, p. 620-45, illus.)

Results of the Jackson-Harmsworth Expedition, 1894-97. Description of general features of the archipelago, the basaltic and Jurassic rocks, raised beaches, icecap, and glacial and other denudation.

Copy seen: DGS.

KOETTLITZ, REGINALD, *see also* Jackson, F. G., & others. Three years' exploration Franz Josef Land. 1898.

8993. KOFMAN, S. IŮ., editor. Skorbut pri alimentarnom istoshchenii. Leningrad, Gosmedizdat, 1944. 80 p. tables. *Title tr.:* Scurvy with alimentary exhaustion.

Describes the general clinical aspects, symptoms, complications, and methods of treatment of the disease, based on observations during the siege of Leningrad in 1942. Bibliography of 51 items. *Copy seen:* NNN.

KOGANOV, S. M., see Matusevich, N. K., & S. M. Koganov. Novye sovetskije ledokoly. 1937.

8994. KOHL-LARSEN, LUDWIG. Polarausrüstung für die Arktisfahrt des "Graf Zeppelin" 1931. (*In:* Berson, Arthur, ed. Die Arktisfahrt des Luftschiffes "Graf Zeppelin" im Juli 1931. 1933. p. 95-97)

Notes on the clothing, food and other equipment used for the *Graf Zeppelin* flight. *Copy seen:* DLC.

8995. KOHLER, JOSEF. Eskimo und Gruppenehe. (Zeitschrift für vergleichende Rechtswissenschaft. Stuttgart, 1906. v. 19, p. 423-31) *Title tr.:* Eskimo and group marriage.

Discusses winter "group marriage" among the Eskimos, compares it with parallel customs of other aboriginal groups, and discusses the probable antiquity of the institution and its bearing upon kinship attitudes. *Copy seen:* DLC.

8996. KOHLMEISTER, BENJAMIN GOTTLIEB, and GEORG KMOCH. Journal of a voyage from Okkak, on the coast of Labrador, to Ungava Bay, westward of Cape Chudleigh; undertaken to explore the coast, and visit the Esquimaux in that unknown region. By Benjamin Kohlmeister, and George Knoch, missionaries of the Church of the Unitas Fratrum or United Brethren. London, For the Brethren's Society for the Furtherance of the Gospel among the Heathen, 1814. 83 p. fold. map.

Journal of a trip undertaken by two Moravian missionaries with four Eskimo companions, in summer 1811. Includes references to ice along the coast, the vegetation, fish and game, seals, currents, mountains and coastal geography. *Copy seen:* DLC; NNS Stef.

8997. KOHLSCHÜTTER, ERNST, 1870-1942. Alfred Wegener zum Gedächtnis. (*In:* Gesellschaft für Erdkunde zu Berlin. Deutsche Grönland-Expedition Alfred Wegener. Zeitschrift, 1932. p. 84-95, port.) *Title tr.:* Memorial to Alfred Wegener.

Copy seen: DLC.

8998. KOHLSCHÜTTER, ERNST, 1870-1942. Nordpolar-Forschung mit dem Luftschiffe. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1925. p. 126-29) *Title tr.:* North polar research with the airship.

General discussion of the rigid airship as a useful means of arctic transportation and Germany's leading role in its development.

Copy seen: DLC.

KOHLSCHÜTTER, ERNST, 1870-1942, see also International Society for the Exploration of the Arctic Regions by Means of Aircraft. Verhandlungen I. Versammlung, 1926. 1927.

8999. KOHN, ALBIN. Steininstrumente in nördlichen und östlichen Sibirien. (Zeitschrift für Ethnologie, 1878. v. 10, p. 461-71) *Title tr.:* Stone instruments in northern and eastern Siberia.

Summarizes the historical development of archeological research in northern and eastern Siberia, discusses the introduction of iron tools into various groups, and describes in detail stone and bone artifacts in the museum of the east Siberian division of the Royal Russian Geographical Society. *Copy seen:* DLC.

9000. KOKKONEN, P. Beobachtungen über die Struktur des Bodenfrostes. Helsinki, 1926. 56 p. illus., 17 plates, tables, diagrs. (*Acta forestalia fennica*, 30, no. 3) *Title tr.:* Observations on the structure of frozen ground.

Contains in pt. 1, a study of (a) mush frost (or ice filaments) formed from water in which there is relatively less earth; and (b) frozen ground, including cavernous ice, massive frozen ground, and layers of ice in various types of soils.

Pt. 2. The factors affecting structure of frozen ground: water content and soil structure. *Copy seen:* DA.

9001. KOL, ERZSÉBET. Biological research on the snowfields and glaciers of Alaska, 1936. (Smithsonian Institution. Explorations and field-work of the Smithsonian Institution in 1938, pub. 1939. Publication no. 3525, p. 69-74, illus.)

Brief account of a trip to Southeast Alaska and Mt. McKinley National Park in 1936 to study the cryovegetation, minute plants that grow on ice and snow.

Copy seen: DLC.

9002. KOL, ERZSÉBET. The snow and ice algae of Alaska. Washington, 1942. p. 1, 36 p. 6 plates (1 col.), fold. map, tables, diagrs. (Smithsonian Institution. Smithsonian miscellaneous collections. v. 101, no. 6)

Based on field work on glaciers of Alaskan mountains in 1935-36, under an international fellowship of the American Association of University Women.

Contains notes on cryoenvironments (pH measurements) classification of cryobionts (green and blue-green algae and fungi); lists of micro-organisms for various glaciers; notes on red snow, snow fleas, and ice bloom; annotated systematic list of thirty-one (including twelve new) species, varieties and forms of glacier algae, and one new species and subspecies of fungi; with a bibliography (26 items).

Copy seen: DSI-M.

9003. KOLCHAK, ALEKSANDR VASIL'EVICH, 1874-1920. The arctic pack and the polynya. (In: American Geographical Society, N. Y. Problems of polar research, 1928. p. 124-41)

Translation of chap. 11 of his, *Led Karskago i Sibirskago morei*, 1909, q.v.

Copy seen: DLC.

9004. KOLCHAK, ALEKSANDR VASIL'EVICH, 1874-1920. *Led Karskago i Sibirskago morei*. St.-Petersbourg, 1909. iii, v, 169 p. illus., 11 plates, tables. (Russkaja poljarnaja ekspeditsiia, 1900-1903. Résultats scientifiques. Sect. B, livr. 1. Pub. as: Akademiiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 26, no. 1) *Title tr.:* The ice of the Kara and Siberian [i.e. Laptev] Seas. English translation of chap. 11 was published as the author's *The arctic pack and the polynya*, 1928, q.v.

Chapters on (1) the freezing of sea water and the formation of ice in bays and stretches of water free from old ice, and (2) in the open sea, (3) breaking up of ice and formation of hummocks in the fall, (4) snow cover on sea ice, (5) land floes and their development as determined by the configuration of shore, relief of ocean floor; and the formation of hummocks, (6) phenomena connected with fluctuation of sea level due to tides, (7) ice cover during the winter, and its growth, (8) the melting of the ice cover, (9) the break-up of the fixed ice cover and the formation of broken land floes, (10) the ice cover after the opening of the sea, and (11) the arctic pack (the Arctic Basin and the Kara Sea) and polynya.

Observations were made at the shores of Taymyr Peninsula, at or near most of the New Siberian Islands, near Bennett Island, and in Sannikov, Laptev, Blagoveshchenskii Straits. Figures obtained are used in the text.

Copy seen: DGS

9005. KOLCHAK, ALEKSANDR VASIL'EVICH, 1874-1920. Posledniaia ekspeditsiia na ostrov Bennetta, snari-zhennaiia Akademiei nauk dlia poiskov barona Tollia. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1906. T. 42, p. 487-519, 2 plates) *Title tr.:* The last Academy of Sciences expedition to Bennett Island in search of Baron Toll.

Résumé of the activity of the Russian Polar Expedition relating to Toll's departure for Bennett Island, whence he failed to return (1902). The organization of a rescue expedition by the author (Jan. 9, 1903); his decision to use sledges and a boat. Course of events along route: Adzhirkhaydaki (about 72°30'N. 140°30'E.), Lyakhovskiiye Islands, Koteln'y, south shore of Bunge Land, Fadeyevskiy to Cape Blagoveshchenskiy, across the strait to Novaya Sibir', and by whaleboat to Bennett Island (76°40'N. 149°24'E.), some information on territory covered, with particular attention to ice formations. Description of Bennett Island and its birds and mammals (p. 510-14). Evidence concerning Sannikov Land, leading to author's conclusion that it does not exist. Evidence that lack of foresight in failure to obtain adequate meat supply by hunting

drove Toll to attempt a winter crossing to New Siberian Islands. Kolchak's return to Kazach'ye on the Yana, and the conclusion that Toll was dead.

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KOLCHAK, ALEKSANDR VASIL'E-VICH, 1874-1920, *see also* Russkaiā polārnaia ēkspeditīiā, 1900-1903. Otchet'y o rabotakh. 1901-04.

KOLCHAK, ALEKSANDR VASIL'E-VICH, 1874-1920, *see also* Smirnov, D. A. Absolutnye magnitnye opredeleniia. 1926.

9006. KOLDERUP, NIELS-HENR., and ANDERS KVALE. Jordskjelvet på Jan Mayen 26, oktober 1936 og seismikken i Norskehavet og Nordsjøen. Bergen, J. Grieg, 1940. 26 p. incl. tables. map, fold. diagr. (Bergen, Norway. Museum. Aarbok, 1938. Nr. 3.) *Title tr.*: The earthquake on Jan Mayen October 26, 1936 and seismicity in the Norwegian and North Seas.

Contains detailed discussion of the Jan Mayen quake; and the seismic frequency of Greenland Sea for the last twenty years, with a table and map to illustrate this. *Copy seen:* DLC.

9007. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Les algues marines du Groenland. (Annales des sciences naturelles. Sér. 7, Botanique, 1894. T. 19, p. 53-164, illus.) *Title tr.*: Marine algae of Greenland. Translation from the Danish, of the descriptions and systematics only, of the author's *Grønlands havalger*, 1893, q.v.

Contains a classified annotated list of one hundred forty-four species, mostly from Baffin Bay-Davis Strait and a few from Denmark Strait.

Copy seen: DLC.

9008. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Andet tillæg til Grønlands fanerogamer og karsporeplanter. (In: Lange, J. M. C., and others. Conspectus florae Groenlandicae. Pars 3. Pub. in: Meddelelser om Grønland, 1877-94, pub. 1892. 3. hefte, p. 645-749) *Title tr.*: Second supplement to phanerogams and vascular cryptogams of Greenland.

Contains additional data (new localities, synonymy, observations, etc.) to the plants listed in J. M. C. Lange, *Tillæg til fanerogamerne og karspore-*

planterne, 1887, and descriptions of some new plants added to Greenland flora.

Copy seen: DGS; MH.

9009. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Deuxième mémoire sur les algues marines du Groenland. (Meddelelser om Grønland, 1899. 20. hefte, p. 1-128, illus., plate) *Title tr.*: Second memoir on the marine algae of Greenland. The first memoir was the author's *Grønlands havalger*, 1893, q.v.

List, with references to literature, localities, remarks and some descriptions, of algae collected in Davis Strait, Greenland Sea and Denmark Strait.

Copy seen: DLC.

9010. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Fra en botanisk rejse i Grønland. (Botanisk tidsskrift, 1888. Bd. 16, p. 203-215) *Title tr.*: From a botanical trip to Greenland.

Notes on vegetation and on certain flowering plants observed or collected between Godthaab and Upernavik on the West Greenland coast (64°-72°48' N.) June-Aug. 1886, during the cruise of the *Fylla*.

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9011. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Grønlands havalger. (In: Lange, J. M. C., and others. Conspectus florae Groenlandicae. Pars 3. Pub. in: Meddelelser om Grønland, 1887-94, pub. 1893. 3. hefte, p. 763-981, illus., plates 1-2) *Title tr.*: Marine algae of Greenland.

Contains historical data on botanical exploration of Greenland, a critical revision of marine algae of the Greenland coastal regions, with a systematic enumeration of about one hundred fifty species and numerous forms, synonymy, Latin description of many new species, critical notes and data on the Greenland and total distribution; a general bibliography on algae (74 items), and an index of the species.

Continued in the author's *Deuxième mémoire sur les algues marines du Groenland*, 1899, q.v.

Copy seen: DGS; MH.

9012. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Marine algae from Kangerdlugsuaq. København, C. A. Reitzel, 1933. 14 p. illus. (Meddelelser om Grønland. Bd. 104, nr. 8)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land.

Annotated list of thirty-eight (including with description, one new) species of green, brown and red algae.

Copy seen: DGS; DSI-M.

9013. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Nye bidrag til Vest-Grønlands flora. 1896. (Meddelelser om Grønland, 1898. 15. hefte, p. 61-72) *Title tr.:* New contributions to the flora of West Greenland.

List, with localities and remarks of plant species represented in the collection in the Copenhagen Botanical Museum. Summary in French, p. 451-52.

Copy seen: DLC.

9014. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Om algevegetationen ved Grønlands kyster. (Meddelelser om Grønland, 1899. 20. hefte, p. 129-243, illus. (incl. maps) diagrs.) *Title tr.:* On the algae vegetation on the coasts of Greenland.

Contains discussions of (1) ocean temperature and salinity, tides, ice conditions and other factors affecting plant life in Greenland waters; (2) the phytogeography of Greenland algae; and (3) algae vegetation in the littoral and sublittoral zones; with remarks on the life cycle, etc., of the organisms. Summary in French, p. 339-46.

Copy seen: DLC.

9015. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Om *Spirogyra groenlandica*, nov. spec. og dens parthenosporedannelse. (Svenska vetenskapsakademien. Öfversigt af förhandlingar, 1883. Årg. 40, no. 8, p. 37-42) *Title tr.:* On *Spirogyra groenlandica* nov. spec. and its formation of parthenospores.

Description and discussion of a fresh-water alga found in the Disko region of West Greenland during the Swedish Expedition to Greenland, 1871.

Copy seen: DLC.

9016. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Om vegetationen i en sydgrønlands fjord. (Geografisk tidsskrift, København, 1890. Bd. 10, p. 78-86) *Title tr.:* On the vegetation in a south Greenland fjord.

Discussion of thickets of bushes and trees on the slopes, fields with heather, flowers and grass vegetation, in the Tunugdliarfik Fiord region in Julianehaab District, southwest Greenland.

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9017. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. On the marine algae from northeast Greenland (N. of 76°N. lat.) collected by the "Danmark-expedition". 1910. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 4. (Meddelelser om Grønland, 1917. Bd. 43, p. 91-134. illus. (incl. map))

Contains a list, with extensive descriptive notes, and locations, of sixty species, from the waters in the immediate vicinity of Danmarks Havn, 76°46'N. 18°45'W. Bibliography, p. 132-33.

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9018. KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939. Det sydligste Grønlands vegetation. 1896. (Meddelelser om Grønland, 1898. 15. hefte, p. 73-250, illus.) *Title tr.:* The vegetation of southernmost Greenland.

Discussion of floristics, climate and fifteen plant associations in southwest Greenland, based chiefly on observations made during a botanical trip in 1888, from Godthaab to Julianehaab. Summary in French, p. 452-53.

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KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939, *see also* Gandrup, J., & others. Botanical trip to Jan Mayen. 1924.

KOLDERUP-ROSENVINGE, JANUS LAURITZ ANDREAS, 1858-1939, *see also* Wille, N., & A. L. Kolderup-Rosenvinge. Alger Novaia-Zemlia (*Dijmphna* 1882-83) 1887.

9019. KOLDEWEY, KARL, 1837-1908. Astronomische Ortsbestimmungen während der Schlittenreise nach Norden. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 754-60) *Title tr.:* Astronomical determinations of position during the sledge journey to the North.

Results covering the distance between Sabine Island and Cape Bismarck (74°30'-77°N.).

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9020. KOLDEWEY, KARL, 1837-1908. *Ebbe- und Flutbeobachtungen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 638-66, incl. tables, fold. diagr.) Title tr.: Tidal observations.*

Tables of time and height of high and low water at Sabine Island, Oct. 1869-Apr. 1870 inclusive, with discussion, tables and diagrams, showing the daily and half-monthly variations.

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9021. KOLDEWEY, KARL, 1837-1908. *Die erste deutsche Nordpolar-Expedition im Jahre 1868. Gotha, J. Perthes, 1871. x, 56 p. col. front., 2 maps (1 fold.) (Petermanns geographische Mitteilungen. Ergänzungsheft no. 28) Title tr.: The First German North Polar Expedition, 1868. Foreword by A. Petermann.*

In the ship *Germania* under the author's leadership, the expedition sailed (from near Bergen) north through Greenland Sea to the edge of the ice off northeast Greenland (73°-75°N.), proceeded eastward to waters northeast of Bear Island, and return; cruised north around West Spitsbergen through Hinlopen Strait; returned by the same route to Greenland Sea, then south to Norway.

In the foreword A. Petermann gives a résumé of the expedition's organization and general information (then held) on the northern waters.

Report on the voyage by Koldewey contains information on pack ice off the East Greenland coast and ice conditions in Greenland Sea and Svalbard waters; notes on hunting bear and walrus, on temperature and wind, color of the sea, Bismarck Strait (Bjørnsundet) and Hinlopen Strait, and the islands in these waters.

Maps: General chart shows course, and detailed chart of Hinlopen Strait, scale 1:400,000.

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9022. KOLDEWEY, KARL, 1837-1908, and others. *Fahrt der Germania. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1873. Bd. 1, p. 289-699, illus., 17 plates, 6 maps (5 fold.)) Title tr.: The voyage of the Germania. Contents tr.: K. Koldewey and A. Pansch. The beginning of the*

Germania voyage after separating from the *Hansa*, the landing on the East Greenland coast, Pendulum Island, ice conditions to the north, and the landing on Shannon Island.

Copeland, R., J. Payer, and K. N. J. Börgen. Shannon Island and Little Pendulum.

Koldewey, K., and J. Payer. Sledge journey to Fligely Fiord, discovery of coal seams on Kuhn Island, Sept. 14-21, 1869.

Pansch, A. Preparations for the wintering, winter night, and the first months of 1870.

Payer, J., and K. Koldewey. Sledge journey to Clavering Inlet and discovery of Tiroler Fiord, Oct. 27-Nov. 4, 1869.

Börgen, K. N. J. Scientific work during the winter.

Payer, J., and K. Koldewey. The great sledge journey along the coast to the north, the discovery of King William Land, Mar. 8-Apr. 27, 1870.

Payer, J. Sledge journey to Arden-capel Inlet, May 8-29, 1870.

PAYER, J., R. COPELAND, and G. HARTLAUB. Game and wildlife in East Greenland.

Börgen, K. N. J., and R. Copeland. Sledge journeys in the spring, Apr.-July, 1870.

PANSCH, A. Excursions to Sabine and Clavering Islands to examine Eskimo settlement ruins.

Koldewey, K. The northward cruise; sailing south along the coast; Jackson Island, Cape Broer Ruys, the foot journey, and discovery of Franz Josef Fiord.

Koldewey, K., J. Payer, and A. Pansch. Sailing within the fiord, and discovery of Petermann Peak.

Koldewey, K. The return voyage.

The paper by Pansch on the Eskimo ruins, and that by Payer, Copeland and Hartlaub on the wildlife, appear in this Bibliography under the authors' names.

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9023. KOLDEWEY, KARL, 1837-1908, and others. *Gemeinschaftliche Reise der beiden Schiffe und Fahrt der Hansa. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1873. Bd. 1, p. 1-200, illus., 7 plates, 2 maps) Title tr.: The common voyage of the two ships and the voyage of the Hansa.*

The narrative of the Second German Arctic Expedition, 1869-70, from its beginning until the *Hansa* and *Germania* parted ways near 75°N.; and the story of the *Hansa* drift and wreck, Oct. 1870, off the East Greenland coast. Contains chapters by K. Koldevey and Dr. A. Pansch on the first part of the voyage; chapters on the *Hansa's* voyage, her drift in the ice, and wreck, the drift of the crew in the ice and their boat journey along the East Greenland coast and around Cape Farewell, by Capt. Hegemann, Prof. Laube and W. Bade. Included are descriptions of the ice conditions, the polar bears, birds, etc., encountered, the Eskimos of the southern tip of Greenland, and of the ruins and other points of interest ashore.

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9024. KOLDEWEY, KARL, 1837-1908. The German arctic expedition of 1869-70, and narrative of the wreck of the "*Hansa*" in the ice. By Captain Koldevey. Tr. and abridged by the Rev. L. Mercier, and ed. by H. W. Bates. London, S. Low, Marston, Low, & Searle, 1874. viii, 590 p. illus., 32 plates (4 col., incl. front.) 2 port., map, plan.

Translation (of vol. 1 only) of Geographische Gesellschaft in Bremen, *Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870, 1873, q.v.*

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9025. KOLDEWEY, KARL, 1837-1908. Die Lagerungen und Bewegungen des arktischen Eises im Meere zwischen Spitzbergen und Grönland. (Deutsche geographische Blätter. 1881. Bd. 4, p. 281-87, map) **Title tr.:** The positions and movements of the arctic ice in the sea between Spitzbergen and Greenland.

Describes the observations on the front of the ice fields, chiefly between 1869 and 1881, and discusses the relationship between winds and currents and ice movements.

Map of ice margins on ten different occasions, scale about 1:15,000,000.

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9026. KOLDEWEY, KARL, 1837-1908. Luftdruck. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 601-613, incl. tables, diagr.) **Title tr.:** Atmospheric pressure.

Discussion with tables and diagrams of daily, monthly and annual means and periods, based on hourly (Oct.-Apr.) and two-hourly (May-Sept.) observations covering the period Aug. 1869-July 1870 in the Greenland Sea and at Sabine Island, on the East Greenland coast. **Copy seen:** DLC.

9027. KOLDEWEY, KARL, 1837-1908. Lufttemperaturen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 535-67, incl. tables) **Title tr.:** Atmospheric temperature.

Contains discussion (and tables) of temperatures Aug. 1, 1869 to July 31, 1870 at Sabine Island, including mean daily, mean monthly, absolute maximum and minimum data, annual periods, comparison with data for the west coast (Umanak), temperature decrease with higher latitudes for East Greenland (based on data from voyage of the *Hansa* and the northern sledge journey; brief discussion of temperature and thickness of the ice at Sabine Island.

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9028. KOLDEWEY, KARL, 1837-1908. Meerestemperaturen und Strömungen. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 614-37, incl. tables) **Title tr.:** Ocean temperatures and currents.

Contains extracts from the logs of the *Germania* (June 16-Sept. 13, 1869; July 7-Sept. 10, 1870) and the *Hansa* (June 17-Oct. 19, 1869) in the Greenland Sea (55°-75°N.) giving data on wind, air temperature, sea surface and deep water temperature, hours of fog, rain and snow, and current measurement; extracts from log of the *Hansa's* men adrift in the ice (Nov. 3, 1869-June 22, 1870) from 70°N. down the East Greenland coast and around Cape Farewell, giving data on drift and wind.

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9029. KOLDEWEY, KARL, 1837-1908. Winde und Wetter. (In: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 568-601, incl. tables)

Contains discussion of data (with tables) from the voyage of the *Hansa* (Aug.-Sept. 1869) along the east coast,

and from Sabine Island (Sept. 1869–July 1870) giving direction, duration and force (Beaufort 0–12) of wind, hours of fog, snow, and rain; table of records of storms for the East Greenland coast, and for the *Hansa* drift; comparison of atmospheric pressure, temperature and wind by seasons.

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KOLDEWEY, KARL, 1837–1908, see also Geographische Gesellschaft in Bremen. Zweite deutsche Nordpolarfahrt 1869–70. 1873–74.

9030. KOLESNIKOV, A. G. K teorii narostaniia l'da na poverkhnosti moria. (U.S.S.R. Gidrometeorologicheskaiia sluzhba. Trudy nauchno-issledovatel'skikh uchrezhdenii. Seria 5. Gidrologiia moria. 1946. Vyp. 1, p. 109–147, diags.) *Title tr.:* Contribution to the theory of the growth of ice on the sea surface.

Mathematical calculations of the growth of ice on sea surface and an analysis of the formulas. Bibliography, p. 146–47. *Copy seen:* DLC.

9031. KOLESNIKOV, A. G. O skorosti narostaniia l'da v more. (Problemy Arktiki, 1940, no. 9, p. 19–26, illus., diagr.) *Title tr.:* On the rapidity of ice formation on the sea.

Discussion of a formula for computing the growth of sea ice under various natural conditions. *Copy seen:* DLC.

9032. KOLESNIKOV, G. P. Gydanskii zaliv; kratkaiia istoricheskaiia spravka o plavaniakh i opisnykh rabotakh. (Severnyi morskoi put', 1940. No. 15, p. 43–52) *Title tr.:* Gydanskii Bay; a short historical sketch of voyages and surveys in this arm of Kara Sea.

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9033. KOLESOV, G. G., and S. G. POTAPOV. Sovetskaiia Yakutiia. Moskva, Gosudarstvennoe sot'sial'no-ekonomicheskoe izd-vo, 1937. 338 [1] p., illus., port., fold. maps. *Title tr.:* Soviet Yakutia.

A physico-geographical description of the Yakut A.S.S.R., containing a short history of the region during the period of the Bolshevik Revolution and civil war, 1917–1922, a general sketch of the population, its health and hygiene, social conditions, agriculture and industry, transportation and trade.

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9034. KOLUBAKIN, B. V. Dannye o prilivakh v Ob'skoi gube i u o-va Belogo. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1933. No. 1, p. 34–45, illus., maps, fold. diagr.) *Title tr.:* Data on tides in Ob Bay and at Belyi Island.

Results of various observations made within the period of 1923–1930, in this southern arm of Kara Sea.

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9035. KOLUBAKIN, B. V. Fiziko-geograficheskii obzor Karskogo moria i ust'ev rek Obi i Eniseia. (Sibirskii kraevoi nauchno-issledovatel'skii s'ezd. 1st, Novo-Sibirsk, 1926. Trudy, t. 4, 1928, p. 56–63, tables) *Title tr.:* Physico-geographical outline of Kara Sea and of the estuaries of Ob' and Yenisey Rivers.

Historical sketch of investigations and general remarks on physical feature of the region; climate, annual air and water temperatures, ice conditions, and navigation seasons; brief tabulation of observations of air temperature, also wind velocity and direction on Dikson Island, 1920–25.

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KOLLER, ALFRED, 1878–, see Norway. Norges Svalbard- og Ishavsundersøkelser. Survey of Bjørnøya 1922–1931. 1944.

9036. KOLLOQUIUM ÜBER DIE ARKTIS, GREIFSWALD, MAI 1930. Vorträge. (Geologische Rundschau, 1930. Bd. 21, p. 340–52) *Title tr.:* Addresses given before the Symposium on the Arctic, Greifswald, May, 1930.

Contents tr.: Bubnoff, S. v. Remarks on the continental drift theory.

Backlund, H. Metamorphosis in East Greenland.

Rosenkrantz, A. East Greenland Mesozoic.

Frebold, H. The Mesozoic development of the Barents Sea shelf.

Koch, L. Greenland's tectonic development.

Nielsen, N. The tectonics and volcanism of Iceland in relation to the Wegener hypothesis.

Horn, G. Occurrence of coal in Svalbard.

Gripp, K. Glaciers and frozen ground, recent and diluvial.

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9037. KOLMAKOV, D. V. Pukh severnogo olenia i ego primenenie. (Sovetskii Sever, 1930, no. 1, p. 106-107) *Title tr.*: Hair from northern reindeer and its utilization.

Results of analyses of reindeer hair collected by the author in Yamal, 1928. Test carried out at the Textile Institute showed that hair shed by northern reindeer is a potential source of down, also other by-products.

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9038. KOLMODIN, TORSTEN, 1885-. Folketro, seder och sägner från Pite Lappmark. Stockholm, I distribution A.-b. Nordiska bokhandeln, 1914. vii, [1], 42 p. illus. (Lapparne och deras land; skildringar och studier utg. af Hjalmar Lundbohm. III) *Title tr.*: Popular beliefs, customs and legends of the Pite Lappmark.

Contains a description of the Lapplander's hut, its interior and equipment; the daily life of the Lapps, in this district of northern Sweden, their foods and beverages; animals, children, women, marriage, death, natural and supernatural phenomena, etc., in Lappish folklore and mythology; Christ in Lappish fable; the magic troll-drum; objects of worship, religious practices and beliefs. Includes texts of fables.

Copy seen: NNA.

9039. KOLODIAZHNYI, IŪ. A. K voprosu o poiskakh vanadiia v Sovetskoi Arktike. (Sovetskaiia Arktika, 1937, no. 9, p. 33-36, table) *Title tr.*: Prospecting the Soviet Arctic for vanadium.

Theoretical discussion of occurrences of vanadium in rocks, and encouragement for prospecting in various regions (Novaya Zemlya, Severnaya Zemlya, Taymyr Peninsula, the lower Yenisey basin, and Khatanga-Lena region).

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9040. KOLODIAZHNYI, IŪ. A. Poleznye iskopaemye Nordvikskogo raiona. (Sovetskaiia Arktika, 1937, no. 10, p. 68-72) *Title tr.*: Mineral resources of the Nordvik region.

Contains data on oil, salt, coal, bentonite, and sulphur occurrences in the region.

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9041. KOLOMEITSOV, N. N. Russkaiia polarnaia ekspeditsiia pod nachal'stvom barona Tollia. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1902. T. 38, p. 342-69) *Title tr.*: The

Russian Arctic Expedition under the direction of Baron Toll.

Narrative of the author's voyage with the *Zaria* to its anchorage off the coast of the Taymyr Peninsula, and his trip by sledge to Gol'chikha, (list of food carried, p. 358) his trip from Krasnoyarsk by river steamer to Port Dikson with 130 tons of coal for a depot, and subsequent plans to furnish more coal to Toll's ship, which was then wintering off Kotel'nyi Island.

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KOLOMEITSOV, N. N., *see also* Russkaiia polarnaia ekspeditsiia, 1900-1903. Otchety o rabotakh. 1901-04.

9042. KOLOSKOV, PAVEL IVANOVICH, 1887-. K voprosu o teplovoi melioratsii v oblastiakh vechnoi meryloty i glubokogo zimnego promerzaniia pochvy. (Akademiia nauk SSSR. Komissii po izucheniiu estestvennykh proizvoditel'nykh sil SSSR. Materialy, 1930. No. 80, Vechnaia merylota, p. 201-231) *Title tr.*: Notes on the use of heat as an amelioration method in the regions of permafrost and deep winter freezing of the ground.

Contains theoretical discussion on the effects of temperature regime of the soil on vegetation in general and agriculture in particular. Data collected in 1915 in the Far East is cited to show effect of forest cover, grass cover, dead organic cover and its mineralization by means of plowing, removal of snow cover, etc.; monthly and yearly ground temperature at various depths under different conditions of vegetable growth are given. Includes suggestions for improvements of observations and specific ameliorating measures.

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9043. KOLOSKOV, PAVEL IVANOVICH, 1887-. Klimaticheskii ocherk poluostrova Kamchatki. (Vladivostok. Dal'nevostochnyi geofizicheskii institut. Izvestiia, 1932. Vyp. 2 (9), p. 119-45, 13 plates (diags.)) *Title tr.*: A climatological sketch of the Kamchatka Peninsula.

Sketch of the general characteristics of the climate based on the meteorological records of eight stations for the entire peninsula and at elevations below 150 meters. Summary in English.

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9044. KOLOSKOV, PAVEL IVANO-VICH, 1887-. Nekotorye kharakternye cherty pol'arnogo klimata. (Vladivostok. Dal'novostochnyi geofizicheskii institut. Izvestiia, 1931. Vyp. 1 (8), p. 1-30, diagrs.) *Title tr.*: Some characteristic features of the polar climate.

The characteristics of the polar maritime climate have been determined largely by the annual course of the air temperature. Summary in English.

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9045. KOLOSKOV, PAVEL IVANO-VICH, 1887-. O teoreticheskoi vozmozhnosti kul'tury soi i risa v oblasti vechnoi merzloty. (Akademiia nauk SSSR. Komissiiia po izucheniiu vechnoi merzloty. Trudy, 1932. T. 1, p. 69-76) *Title tr.*: Theoretical possibility of growing soy beans and rice in the permafrost region.

Contains description of conditions under which the cultivation of soy beans and rice is possible. Analysis of the temperature chart, degree of precipitation, and other climatic factors in a sample region shows that under certain conditions this cultivation is possible in some areas of the permafrost region.

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9046. KOLOSKOV, PAVEL IVANO-VICH, 1887-. Opyt klassifikatsii ob'ektov kriosfery. (Akademiia nauk SSSR. Komissiiia po izucheniiu vechnoi merzloty. Trudy, 1932. T. 1, p. 51-54) *Title tr.*: Tentative classification of the matter in the "kryosphere".

Contains suggested classification of the "kryosphere" (i.e. area where ice is encountered) into three divisions: (1) the permanently frozen soil; (2) mountainous type of kryosphere, (3) kryosphere of the sea. Each type is subdivided into classes and subclasses (genus and species). This classification covers frozen ground, ice and water, and indicates the character of distribution (full, upper layer, middle, etc.) of these elements.

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KOLOSOV, D. M., see Nikolaev, I. G., & D. M. Kolosov. Sovremennye ledniki v Koriatskom khrebte. 1939.

9047. KOLPAKOVA, T. A. Epidemiologicheskie osobennosti Yakutskogo kraia, (po dannym epidemiologicheskogo podotriada Vil'iuskogo mediko-sanitarnogo otrada Yakutskoi ekspeditsii v 1925-26 g.g.). (Akademiia nauk SSSR. Komissiiia po izucheniiu

Yakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 10, p. 109-130, illus., plate, map, fold. diagrs.) *Title tr.*: Epidemiological peculiarities of the Yakut region.

A report of the party investigating epidemics and their treatment for the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925-26, describing sanitary and health conditions in the region observed.

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9048. KOLPAKOVA, T. A. Epidemiologicheskoe obsledovanie Vil'iuskogo okruga IASSR. Leningrad, 1933. 292 p., illus., fold. map, tables. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy. Seriiia Yakutskaiia, vyp. 12) *Title tr.*: Epidemiological investigation of the Vilyuy district of the Yakut A.S.S.R.

Basic study of materials collected by the subsection of the medical and sanitary party of the Yakut Expedition in 1925. In this study of infectious diseases in the region, the author takes into consideration all the factors which affect the health and life of the native population: climatic and economic conditions, contact with Russian settlers, transition to a more "civilized" mode of life, specific racial features. The text is illustrated with extensive tabular data, and contains description of the organization of the expedition, preparation of questionnaires, contents of medical chests, etc. Brief geographical description of the region, (63°-65° N. 112°-130° E.) its landscape, vegetation, rivers, climate, p. 24-30. Table of monthly mean, maximum and minimum temperatures and amount of precipitation for Vilyuysk city according to meteorological observations, 1897-1922, p. 25. Social and economic conditions, detailed description of ten different types of dwellings and the changes in housing conditions in the region, p. 30-48. Food, methods of its preparation and conservation, p. 48-56. Tabular data on composition of homesteads: nationality of the owner, type of dwelling, number of families and individuals in one homestead, and diseases encountered, p. 57-72. Some demographic information: effect of miscegenation, health conditions among those of mixed blood; death rate of women and children, p. 73-82. Discussion of 25 diseases, indigenous and carried in by

the Russian settlers, e.g., tuberculosis, leprosy, malaria, small-pox, skin diseases, psychoneuroses, intestinal worms, etc., p. 83-198. Schools, their sanitary and epidemiological conditions, p. 104-110. Results of blood analyses of aborigines, p. 198-204. Microbiological observations, study of pathogenic and psychrophilic bacteria; bacteria in fermentation processes of milk products in the region, p. 204-212. Tabular data on 262 specimens of 138 species of bacteria collected by the expedition, from men, animals, and their environment, p. 212-74. Surgical instruments and remedies used by Yakut medicine men, p. 274-82. Bibliography of over 250 items, arranged according to chapters, p. 282-90. Sketch map shows route of the expedition and geographical distribution of diseases.

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9049. KOL'S, R. E. Pis'ma s ust'ev r. Taza. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1927. T. 59, vyp. 2, p. 93-99) *Title tr.:* Letters from the delta of the Taz River.

Author, surveying for Ubesosibir' (Administration for the Safety of Navigation in the Kara Sea and in the Mouths of Siberian Rivers), gives an account of his activities, and describes territory seen. He shows "Yamburg Island" and small unnamed islands to be errors of earlier cartographers. (Letters of Aug. and Nov. 1926).

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9050. KOLSRUD, OLUF. Til Østgrønlands historie. (Norsk geografisk tidsskrift, 1934-35, pub. 1935. Bd. 5, p. 381-413) *Title tr.:* The history of East Greenland. Issued also as Norges Svalbard- og Ishavs-undersøkelser. Meddelelse nr. 29.

Historical summary of geographical concepts of Greenland and isolated southeast Greenland from 1200 to about 1800; history of southeast Greenland (1774-1932) following colonization of southwest Greenland by Danes and Moravians, 1774-97. *Copy seen:* DLC.

9051. KOLTHOFF, GUSTAF ISAK, 1845-1913. Bidrag till kännedom om norra polartakternas däggdjur och fåglar. Stockholm, P. A. Norstedt & söner, 1903. 104 p. (Svenska vetenskapsakademien. Handlingar. Ny följd. Bd. 36, no. 9) *Title tr.:* Contribution to the knowledge of north polar mammals and birds.

Annotated list, with distribution indicated especially in the Greenland-Svalbard area, of eighteen mammals and fifty-two birds. *Copy seen:* DLC.

9052. KOLTHOFF, GUSTAF ISAK, 1845-1913. 1900 års svenska zoologiska polarexpedition. (Ymer, 1900. Årg. 20, p. 109-110) *Title tr.:* The Swedish Zoological Arctic Expedition of 1900.

Plans for a zoological expedition, to be led by Kolthoff, to Bear Island, West Spitsbergen, Jan Mayen and East Greenland. *Copy seen:* DLC.

9053. KOMAROV, VLADIMIR LEON. TEVICH, 1869-1945. Bibliografiia k flore i opisaniu rastitel'nosti Dal'nego Vostoka. Vladivostok. Tip. Akts. O-va "Knizhnoe Delo," 1928. 278 p. (Vsesoiuznoe geograficheskoe obshchestvo. Iuzhno-ussuriiskii otdel. Zapiski, 1928. Vyp. 2) *Title tr.:* Bibliography of the flora and of vegetation in the Far East.

Contains over twelve hundred items, including many works on the flora and vegetation of Kamchatka Peninsula and region, with indexes to subjects and authors. *Copy seen:* MH-A.

9054. KOMAROV, VLADIMIR LEON. TEVICH, 1869-1945. A botanico-geographical sketch of the gymnospermae of the U.S.S.R. (Pacific Science Congress. 5th, Victoria and Vancouver, B. C., 1933. Proceedings, pub. Toronto, 1934. v. 4, p. 3337-39)

On the basis of distribution of individual species listed, the author outlines the main coniferous forest regions of the U.S.S.R. and their shifts in glacial times. Includes mention of species marking the northern tree limit.

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9055. KOMAROV, VLADIMIR LEON. TEVICH, 1869-1945. Dva goda na Kamchatke. (Botanicheskii otdel Kamchatskoï ekspeditzii F. P. Riabushinskogo). (Zemlevedenie, 1912. T. 18, p. 144-88, illus.) *Title tr.:* Two years on Kamchatka. (Botanical section of the Kamchatka Expedition of F. P. Riabushinskii).

Contains general description by the leader of the botanical section's travels 1908-1909, in Kamchatka during the Riabushinskii Expedition 1908-1911; the itineraries, physical and geographical surveys; data on vegetation, p. 163-72, and population.

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9056. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945. Ex herbario Horti
botanici Petropolitani: Novitates Asiae
orientalis. Decas I-VII. (Repertorium
specierum novarum regni vegetabilis,
1910-1911, pub. 1911, Bd. 9, no. 22-26,
p. 391-94; (II) 1915, pub. 1914, Bd. 13,
no. 6-8, p. 84-87; (III-IV) no. 9-12,
p. 161-69; (V-VII) no. 13-16, p. 225-
37) *Title tr.*: From the Herbarium of
the St.-Petersburg Botanical Garden:
Novelties from eastern Asia.

Contains Latin descriptions of seventy miscellaneous new species from various regions of eastern Asia, mostly from Kamchatka Peninsula, and one, *Nephrodium fragrans* var. *lepidota* n. var. from Chukotsk Peninsula.

Copy seen: MH-A.

9057. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945. Flora poluostrova
Kamchatki. Leningrad, Izd. Akad. nauk,
1927-30. 3 v. (v. 1: ii, 339 p. 13 plates,
fold. map, pub. 1927; v. 2: iii, 369 p.
32 plates, pub. 1929; v. 3: 208 p. 8
plates, pub. 1930) *Title tr.*: Flora of
Kamchatka Peninsula.

Contains a historical sketch of botanical exploration of Kamchatka; itineraries of five botanical collectors of the Kamchatka Expedition of F. P. Riabushinskii in 1908-09; botanico-geographical divisions of Kamchatka and its flora; and a monographic treatment of eight hundred thirty species. Summary in English (v. 1 only).

Copy seen: NN.

9058. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945, and others. Flora
SSSR. Leningrad, Izd-vo Akademii
nauk, 1934-14 v. — *Title tr.*: Flora of
the U.S.S.R.

Contains a comprehensive flora by various authors, published by the Botanical Institute of the Academy of Sciences, U.S.S.R., under direction of chief editor, V. L. Komarov, 1934-45, and subsequently by B. K. Shishkin. Fourteen volumes of the proposed twenty-five, and an index to v. 1-4, have appeared to date (1949). This basic reference work includes many arctic species.

Information on the details of this publication may be found in Stearn, W. T., *Geographical and other abbreviations in the Flora U.R.S.S.* (New Phytologist, 1947. v. 4, n. 1, p. 61-67, 4 maps).

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9059. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945, and others. Kam-
chatskaia ékspeditsiia Fedora Pavlo-
vicha Riabushinskago, snariázhenaiia
pri sodéistvii Imperatorskago Russka-
go geograficheskago obshchestva. Bot-
anicheskii otdél. Moskva, Tipogr.
P. P. Riabushinskago, 1912-14. 2 vyp.:
vii, 457; xii, 612 p. illus. 21 plates.
Contents tr.: vyp. 1. KOMAROV, V. L.
Travels in Kamchatka 1908-1909.

vyp. 2. ELENKIN, A. A., and others.
Fresh-water algae of Kamchatka.

ELENKIN, A. A. Marine peridinians
and diatoms of Kamchatka.

SAVICH, V. P. Algological survey of
Avacha Bay in May, 1909.

VORONIKHIN, N. N. Marine algae
of Kamchatka.

BONDARTSEV, A. S. Fungi from
the families Polyporeae, Thelephoreae
and Hydnæ.

TRANSHEL', V. A. Fungi and myx-
omycetes of Kamchatka.

Each paper appears in this Bibliog-
raphy under its author's name.

Copy seen: NN.

9060. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945. Khvoyniia de-
rev'ia Man'chzhurii. (Leningradskoe
obshchestvo estestvoispytatelei. Trudy,
1901, pub. 1902. T. 32, vyp. 1. Proto-
koly zasédanii, no. 6, p. 230-41, 275)
Title tr.: Coniferous trees of Man-
churia.

Contains a taxonomic discussion and
data on geographic distribution of
coniferous trees (pines, firs, spruces,
larches, etc.) in Manchuria, including
Picea ajanensis extending to the
Okhotsk coast and *Larix daurica* widely
distributed in eastern Siberia and the
Okhotsk region. Summary in German.

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9061. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945. Miatliki Kam-
chatki. (Leningrad. Glavnyi botani-
cheskii sad RSFSR. Botanicheskie
materialy gerbariia, 1924. T. 5, vyp. 10,
p. 145-50) *Title tr.*: Poaceae of Kam-
chatka Peninsula.

Contains Latin diagnoses and criti-
cal notes on seven new species, native
to Kamchatka Peninsula, with locali-
ties.

Copy seen: MH-A.

9062. KOMAROV, VLADIMIR LEON-
TEVICH, 1869-1945. Novye vidy ra-
stenii Dal'nego Vostoka. (Leningrad.

Glavnyi botanicheskii sad. Izvestiia, 1932. T. 30, vyp. 1-2, p. 189-223, illus.) *Title tr.*: New species of the plants of the Far East.

Contains Latin diagnoses of, and critical notes on thirty-six species of flowering plants and ferns gathered by various collectors in the Russian Far East, including *Calamagrostis fusca* and *Carex novogvallenovi* from Kamchatka Peninsula and *Isoetes beringensis* from the Kamchatka region. Summary in Latin. *Copy seen*: MH-A.

9063. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. Novye vidy Sibirskoi flory. (Leningrad. Glavnyi botanicheskii sad RSFSR. Botanicheskie materialy gerbariia, 1921, t. 2, vyp. 33-34, p. 129-36) *Title tr.*: New species of Siberian flora.

Contains descriptions of two species from Kolyma and Anadyr River basins and two from Kamchatka.

Copy seen: MH-A.

9064. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. O Russkom naselenii Kamchatki. (Russkii antropologicheskii zhurnal, 1912. T. 13, no. 2-3, p. 100-136, 41 illus., map) *Title tr.*: On the Russian population of Kamchatka.

Contains the results of the author's observations as a member of the F. P. Riabushinskii expedition to Kamchatka, 1908-1911, on the Kamchadal-Russian population: number, distribution, dwellings, fishing, food, hunting, use of dogs for transportation, influence of Russian colonization. *Copy seen*: NN.

9065. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. Ocherk rastitel'nosti Iakutii. (In: Iakutiia, 1927, p. 197-222, port., fold. map) *Title tr.*: A description of the vegetation of Yakutia.

A general description of types of vegetation: tundras, the tree line, forests and fields, with brief information on agricultural plants grown in the region. Includes a bibliography, p. 222, and a map, indicating the most important zones of vegetation.

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9066. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. On the arctic limits of some trees in the Russian Far East. (Pacific Science Congress. 3d, Tokyo, 1926. Proceedings, pub. Tokyo, 1929. v. 2, p. 1912)

Abstract, outlining the poleward limits of several forest trees.

Copy seen: DLC.

9067. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. *Osmunda* na Kamchatke. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1932. T. 30, vyp. 5-6, p. 749-50) *Title tr.*: *Osmunda* in Peninsula Kamchatka.

Contains a record of a discovery by Prof. A. A. Krasfuk, in the summer of 1928, of *Osmunda cinnamomea* L., a fern, not previously known from that region.

Copy seen: MH-A.

9068. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. Puteshestvie po Kamchatke v 1908-1909 g. Moskva, 1912. vii, 457 p. illus. 20 plates. (In: Komarov, V. L., and others: Kamchatkaia ekspeditsiia, 1912-14, vyp. 1) *Title tr.*: Travels in Kamchatka, 1908-1909.

Contains a general account of the author's two years' travel in Kamchatka, 1908-09, as head of the Botanical section of the Kamchatka Expedition of F. P. Riabushinskii, 1908-1911. Includes a geographical description, a sketch of the vegetation, p. 409-416, data on population and indices of geographical and plant names.

Copy seen: NN.

9069. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. Rastitel'nost' morskikh beregov poluostrova Kamchatki. (Akademiia nauk SSSR. Dal'nostochnyi filial. Trudy, Serii botanicheskaiia, 1937. T. 2, p. 7-17) *Title tr.*: The vegetation of the Kamchatka Peninsula coasts.

Contains an ecological survey of the vegetation of the Kamchatka coastal regions, divided by the author into seven zones.

Copy seen: NNBG.

9070. KOMAROV, VLADIMIR LEON-TEVICH, 1869-1945. Rastitel'nost' Sibiri. Leningrad, 1924. 32 p. (Akademiia nauk SSSR. Komissii po izucheniiu estestvennykh proizvoditel'nykh sil Rossii. Estestvennye proizvoditel'nye sily Rossii. T. 5. Rastitel'nyi mir, otd. 1. Botaniko-geograficheskii ocherk Rossii. 2. Sibir') *Title tr.*: The vegetation of Siberia.

Contents tr.: 1. Vegetation of the tundra zone. 2. Taiga or forest zone of Siberia. 3. Vegetation of the mountainous regions of Siberia. 4. Characteris-

tic and useful plants of Siberia; important literature on the flora of Siberia. Index of vernacular and Latin names of the plants.

Coppy seen: NNBG.

9071. KOMAROV, VLADIMIR LEONTEVICH, 1869-1945. Tretii rod semeistva Salicaceae, Chosenia Nakai. (In: Übileinyi sbornik pasviashcheniy I. P. Borodinu. Leningrad, 1927, p. 275-81, illus.) *Title tr.:* Third genus of the family Salicaceae-Chosenia Nakai.

Contains a critical revision of the genus *Chosenia* of the willow family (Salicaceae) with synonymy, key, and detailed data on distribution; *C. macrolepis* comb. nova occurring in Kamchatka and the Anadyr River region. Summary in French.

Coppy seen: MH-A.

9072. KOMAROV, VLADIMIR LEONTEVICH, 1869-1945. Vvedenie v izuchenie rastitel'nosti Iakutii. Leningrad, 1926. x, 183 p. 8 plates, maps (2 fold.) (Akademiia nauk SSSR. Komissiiia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Trudy. T. 1) *Title tr.:* An introduction to the study of vegetation in Yakutia.

Contents tr.: 1. Bibliographical material. 2. History of botanical investigations in Yakut A.S.S.R. 3. The surface structure of Yakutia as a basis for its territorial divisions. 4. The flora of the Yakut A.S.S.R. 5. List of plants.

Chapter 1 is an annotated bibliography of 372 items with indexes for collections and collectors, work on individual districts, geology and geomorphology, soils, botany and maps.

Chapter 2 gives history and routes of botanical expeditions to Yakut A.S.S.R. (folded map at end).

Chapters 3-5 have a general sketch of the flora, characterizing the vegetation according to the zones, and a list of one thousand one hundred eighty-eight plant species found in the region.

Map indicates the northern limit of growth of different species of trees. Summary in English. *Coppy seen:* DLC.

KOMAROV, VLADIMIR LEONTEVICH, 1869-1945, *see also* Akademiia nauk SSSR. Prezidentu Akademii nauk. 1939.

KOMAROV, VLADIMIR LEONTEVICH, 1869-1945, *see also* Petrov, V. A. Flora Iakutii. I. 1930.

KOMAROV, VLADIMIR LEONTEVICH, 1869-1945, *see also* Reinhard, A. v. Über d. Vergletscherung Kamtschatkas. 1915.

KOMAROV, VLADIMIR LEONTEVICH, 1869-1945, *see also* AKADEMIIA NAUK SSSR. Dal'nevostochnyi filial, Vladivostok. Gornotaezhnii stantšiiia.

9073. KOMAROVA, I. V. Pitanie kam-baly-ersha (*Hippoglossoides platessoides*) v Barentšovom more v sviazi s kormovymi resursami. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy, 1939. T. 4, p. 297-320, tables, diagrs.) *Title tr.:* Feeding of the long-rough dab in the Barents Sea in connection with food resources.

A quantitative comparison of the composition of the stomach content of this fish, with the food supply in the surrounding waters. Includes data on the seasonal variation in the biological masses serving as food supply for dab. Bibliography (26 items). Summary in English.

Coppy seen: DLC.

KOMISSIIIA EKSPEDITSIONNYKH ISSLEDOVANII, *see* AKADEMIIA NAUK SSSR. KOMISSIIIA EKSPEDITSIONNYKH ISSLEDOVANII.

9074. KOMLEV, L. V., and E. K. HERLING. On the age of Khibiny Tundras. (Akademiia nauk SSSR. Comptes rendus (Doklady), 1940. n.s., v. 26, no. 9, p. 939-41, tables)

Report on first attempt to apply radioactive methods to the age determination of the geological formation of the Kola Peninsula, with conclusion that formation of Khibiny Massif was completed during the Upper Devonian—Lower Carboniferous; bibliography (10 items).

Coppy seen: DLC.

9075. KOMOV, N. Rabota v Chukotskoi shkole. (Sovetskii Sever, 1933, no. 1, p. 72-79, illus.) *Title tr.:* Work at a Chukchi School.

Experience of a teacher at a school in Lavrentiya (St. Lawrence) Bay region in 1929-31; suggestions concerning location of schools; kind of construction, methods of propaganda for education, etc.

Coppy seen: DLC.

9076. KOMOV, N. N. Meteorabludeniia stantšii "Severnyi polius". (Sovetskaiia Arktika, 1938, no. 6, p. 29-32,

illus., tables) **Title tr.:** Meteorological observations of the station "North Pole".

Preliminary data on temperature, atmospheric pressure, wind, barometric inclination, and precipitation from observations at the drifting station "North Pole", May 22–Nov. 27, 1937.

Copy seen: DLC.

9077. KOMOV, N. N. O rabote gidrometeorologicheskoi sluzhby Glavsevmorputi. (Sovetskaya Arktika, 1939, no. 7, p. 47–50, illus.) **Title tr.:** On the hydrometeorological work of the Main Administration of the Northern Sea Route.

Discussion of the unsatisfactory conditions in weather and other information services on the Northern Sea Route and need for their improvement.

Copy seen: DLC.

9078. KOMOV, N. N., and O. N. KOMOVA. Meteorologicheskie nabljudeniya v ekspeditsii na "Cheljuskin" i v lagere Shmidt. (In: Shmidt, O. I. and Ia. Ia. Gakkel', editors. Nauchnye resul'taty rabot ekspeditsii na "Cheljuskin" i v lagere Shmidt. 1938. v. 1, p. 143–220) **Title tr.:** Meteorological observations taken during the expedition on the *Cheljuskin* and at Camp Shmidt.

Meteorological observations taken every four hours during the voyage as follows: in Barents Sea, Aug. 10–12; in Kara Sea, Aug. 13–Sept. 1; in Laptev Sea, Sept. 1–7; in East Siberian Sea, Sept. 8–15; in Chukchi Sea, Sept. 16–Nov. 2, 1933, and Nov. 5, 1933–Feb. 13, 1934, and at Camp Shmidt, Feb. 14–Apr. 11, 1934. Ice conditions are reported for each meteorological observation. The surface sea temperature and state of waves also are reported every four hours until the later part of Sept. 1933.

Copy seen: DLC.

9079. KOMOVA, O. N. Sinopticheskaya obstanovka v raione "Poliusa otnositel'no Nedostupnosti". (In: Ekspeditsiia na samolete "SSSR-N-169" v raion "Poliusa Nedostupnosti". Nauchnye resul'taty, 1946, p. 142–53, maps, diagrs.) **Title tr.:** The synoptic situation in the region of the Pole of Relative Inaccessibility.

General analyses of the synoptic weather situations during the various periods of observation in the course of the expedition (of the airplane N-169

in the so-called "region of inaccessibility") on the three ice floes as follows: Apr. 3–7, 1941; Floe no. 1; (81°32'N. 180°E. or W.); Apr. 13–17, 1941, Floe no. 2 (78°26'N. 176°20'W.); and Apr. 23–28, 1941 on Floe no. 3 (79°56'N. 169°55'W.).

The pressure distribution and the trajectories of the cyclones and anticyclones during April 1941 over northeastern Siberia, the Bering Sea, western Alaska and the Arctic Basin are summarized and charted.

Copy seen: DLC.

9080. KOMOVA, O. N. Zhenshchina v Arktike. (Sovetskaya Arktika, 1939, no. 7, p. 22–26, illus.) **Title tr.:** Woman in the Arctic.

Discussion of whether women can adapt to work under arctic conditions; Soviet women's achievements in education, medical care, and scientific research in the far North.

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KOMOVA, O. N., see also Komov, N. N., & O. N. Komova. Meteorologicheskie nabljudeniya na Cheljuskin. 1938.

9081. KONDA, S. Northern fisheries of Japan. (Sapporo, Japan. Hokkaido Imperial University. School of fishery. Bulletin, 1933. v. 3, p. 1–6, 1–268, tables, double-face map) Text in Japanese, with summary in English, p. 1–6.

The "northern fisheries" include salmon and crab fisheries of Kamchatka, the crab in the Bering Sea off Alaska, and the floating crab canneries.

Contents include: 1. Statistics of catches and products of salmon, production and export of canned crab.

2. Fishery convention between Japan and U.S.S.R. (History and disputes of fishing rights around Kamchatka).

3. Problems of territorial seas. (Bering Sea sealing; crab floating canneries; salmon fleets).

4. Control of fishing enterprises. (Siberian fishery lots, open-sea fishery and companies which control them).

5. Labor. Exchange, hours, wages, social insurance.

Illus., etc.: Chart showing localities of fishing waters in Okhotsk and Bering Seas.

Plans of arrangement of fishery lots, of fishing nets and floating crab cannery and off-shore salmon fisheries, 1930, in Okhotsk Sea. **Copy seen:** DF.

9082. KONDAKOV, K. Malokabotazhnye perevozki po Severnomu morskou puti. (Sovetskaya Arktika, 1940, no. 8, p. 17-25, illus., maps) *Title tr.*: Local coastal shipping along the Northern Sea Route.

Discussion of the problem of coastwise shipping on the Northern Sea Route; suggestions for a regional grouping of the smaller settlements and local shipping services, e.g., for Novaya Zemlya and Dikson, the Tiksi-Ambarchik, and the Provideniya regions. *Copy seen:* DLC.

9083. KONDAKOV, K. O dobyche soli v raione bukhty Kozhevnikova. (Sovetskaya Arktika, 1940, no. 7, p. 22-27, illus., tables) *Title tr.*: On salt extraction in the Kozhevnikov Bay region.

Encouragement for setting up a salt extraction enterprise on the southern shore of Kozhevnikov Bay (Khatanga Bay region), using at first a relatively simple method, the natural freezing process, to eliminate the brine. *Copy seen:* DLC.

9084. KONDAKOV, N. N. Cephalopoda — Golovonogie molliŭski. (In: Gaevskaya-Sokolova, N. S., and others. Opredelitel' fauny i flory, 1948, p. 447-50, illus., plates 114-15) *Title tr.*: Cephalopoda.

Contains a general morphological sketch of cephalopods and a key for determination of thirteen species native to northern waters of the U.S.S.R. *Copy seen:* DLC; MH-Z.

9085. KONDAKOV, N. N. Golovonogie molliŭski (Cephalopoda) Karskogo moria. (Leningrad. Vsesoiŭznyi arkticheskiĭ institut. Trudy, 1937, T. 50, p. 61-67, illus.) *Title tr.*: The Cephalopoda of the Kara Sea.

A discussion based on several collections made 1921-33; also a list, with descriptions, of five forms new to this area. *Copy seen:* DLC.

KONDAKOV, N. N., see also Berg, L. S., & others. Promyslovye ryby SSSR. 1949.

KONDRATEVA, A. S., see Akademiya nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Aerodromno-dorozhnaya komissiya. Fiziko-mekhanicheskie svoystva snega. 1945.

9086. KONDRIKOV, V. I. Redkie elementy Khibiny. (In: Khibinskie apatity, 1933, T. 5, p. 3-6) *Title tr.*: Rare elements of the Khibiny.

Outline of new minerals discovered in the region and the importance of their geochemical and technological investigation for the economic development of the U.S.S.R. *Copy seen:* DLC.

9087. KONDRIKOV, V. I. Sovremennoe sostoyaniye i perspektivy razvitiya stroitel'stva v raione khibinskikh razrabotok. (In: Khibinskie apatity, 1932, T. 2, p. 6-32, illus., diagrs.) *Title tr.*: Present state and development of construction in the Khibina mining region.

Description of rapid development of construction in the region, carried out by the Apatite Trust, 1930-31; diagrams show the increase of living quarters, growth of population, movement of ore in the production system, the rise of apatite-nepheline mining, and the electric power supply of the region; financial balance of the Trust, 1930-31 (p. 27); illustrations of industrial buildings, school, newspapers, etc. in Khibinogorsk (now Kirovsk). *Copy seen:* DLC.

9088. KONDRIKOV, V. I. Vybor ploshchadki Khimicheskogo kombinata na baze apatito-nefelinovogo syr'ya. (In: Khibinskie apatity, 1932, T. 4, p. 138-46, 3 plates, incl. map) *Title tr.*: The selection of the area for the Chemical Combine, on the basis of apatite-nepheline raw materials.

On the selection of Kandalaksha (67°09'N. 32°26'E.) at the head of Kandalaksha Bay, as the most suitable site for the Chemical Combine of Kola Peninsula. Discussion of problems relating to raw materials; fuel, electric power, water supply, manpower, utilization of waste products, and transportation. Diagram (opp. p. 140) shows utilization of the main minerals of Khibina and Moncha Tundras in the production system of the Apatite Trust at the end of the Second Five Year Plan, 1937. Includes map of water resources in Kola Peninsula and Karelia, and plan of Kandalaksha. *Copy seen:* DLC.

9089. KONDRIN, V. V. Temperatura v nizhnikh sloiakh atmosfery po dannym zmeikovykh i samoletnykh pod'emov na myse Shmidta v 1935-1936 godakh. (Problemy Arktiki, 1938, no.

2, p. 75-87, tables, diagrs.) *Title tr.*: Temperature in the lower strata of atmosphere according to kite- and aeroplane-soundings at the polar station on Cape Shmidt in 1935-1936.

The results of 44 kite and 11 airplane aerological soundings at Cape Shmidt (68°55'N. 180°35'E. on the northern coast of Kamchatka Province) are tabulated and discussed. The soundings are grouped according to their relation to the general synoptic situation of the polar regions. Summary in English.

Copy seen: DLC.

KONFERENTSIIA PO PALEOGEOGRAFIU CHETVERTICHNOGO PERIODA, MOSKVA, 1941, see Problemy paleogeografii chetvertichnogo perioda. 1946.

9090. KONGISSER, RUDOL'F ALEK-SANDROVICH, 1905-1934. *Gidrobiologicheskie raboty v Beringovom more u severo-vostochnogo poberezh'ia Kamchatki (predvaritel'noe sobshchenie).* (Issledovaniia morei SSSR. 1933. Vyp. 19, p. 115-24). *Title tr.*: Hydrobiological investigation in Bering Sea off the northeastern coast of Kamchatka Peninsula (preliminary notes).

Contains a preliminary communication on the scientific results of the Iodine algae expedition to eastern Kamchatka, 1930, made in Korff Bay and along the coast of Karagin Island. Includes data on hydrological condition, on distribution of five principal types of algae, and on exchange of iodine in the sublittoral zone; a few observations on zooplankton are included. Summary in English.

Copy seen: MH.

9091. KONGISSER, RUDOL'F ALEK-SANDROVICH, 1905-1934. *Ob assimiliatsii i nakoplenii organicheskogo veshchestva morskim fitoplanktonom i fitobentosom materikovoi otmeli.* (Leningrad, Glavnyi botanicheskii sad. Izvestiia, 1932. T. 30, vyp. 1-2, p. 139-42) *Title tr.*: On assimilation and accumulation of organic substance by the phytoplankton and phytobenthos on the sea coast.

Contains statistical data, obtained by the author during his exploration of phytoplankton and phytobenthos of the Bering and Okhotsk Seas, on the production of a dry substance, consisting mostly of *Laminaria* and other algae,

from a square hectare of sea surface. Summary in German.

Copy seen: MH-A.

9092. KONINCK, L. de. *Notice sur quelques fossiles du Spitzberg.* (Académie royale des sciences, des lettres et des beaux-arts de Belgique. Bulletins, 1846. T. 13, 1er pte., p. 592-96) *Title tr.*: On a few fossils from Spitsbergen.

Contains remarks on the age of some molluscan and brachiopod fossils from Bell Sound.

Copy seen: DLC.

9093. KONINCK, L. de. *Nouvelle notice sur les fossiles du Spitzberg.* (Académie royale des sciences, des lettres et des beaux-arts de Belgique. Bulletins, 1849, pub. 1850. T. 16, 2me pte., p. 632-43, plate) *Title tr.*: A new note on the fossils of Spitsbergen.

Contains a further discussion of the correlation of molluscan and brachiopod fossils, collected by E. Robert at Bell Sound, West Spitsbergen.

Copy seen: DLC.

9094. KONONOV, I. *Kontrol'nye tsifry Krainego Severa 1934 g. (In: Krainii Sever k 1934 g. p. 24-45, tables)* *Title tr.*: Control figures of the far North in 1934.

Survey of the development of the farming and cattle breeding in far North of U.S.S.R. (Murmanskiy okrug, and the northern parts of Severnyy kray, Obsko-Irtyshskaya oblast', Zapadno-Sibirskiy kray, Vostochno-Sibirskiy kray, Yakut ASSR, and Dal'nevostochnyy kray) in 1933-34. Includes a comparison of the area under cultivation in 1926 and 1932, (showing that the area trebled); plans for agricultural development in 1933-34; also cattle and reindeer statistics.

Copy seen: DLC.

9095. KONOW, FRIEDRICH WILHELM, 1842-1908. *Die Nematiden-Gattung Pristiphora Latr. (Hymenoptera, Tenthredinidae) soweit dieselbe bisher aus der palaearktischen Zone bekannt ist, systematisch und kritisch bearbeitet.* (Akademiia nauk SSSR. Zoologicheskii muzei. Ezhegodnik, 1902. T. 7, p. 161-87) *Title tr.*: The Nematida genus *Pristiphora* known to occur in the palaearctic zone; a systematic and critical study.

Full notes on twenty-seven species of saw-flies of which one occurs in Lapland, and a new species (described in Latin) in West Spitsbergen.

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9096. KONOW, FRIEDRICH WILHELM, 1842-1908. Ueber die Ausbeute der Russischen Polar-Expedition an Blattwespen im arktischen Sibirien. St. Pétersbourg, 1907. 2 p. l., 26 p. plate. (Russkaja poliarnaja ékspeditsiia, 1900-1903. Resultats scientifiques. Sect. E, vol. 1, livr. 3. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 3) *Title tr.:* On the collection of sawflies made by the Russian Polar Expedition in arctic Siberia.

Contains a summary of geographic distribution of recorded species; keys to the species of one tribe and two genera; and descriptions of five (including two new) species, from the region between the Lena and Yana River mouths, and the New Siberian Islands.

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9097. KONRADI, S. A., and N. G. KELL'. Geologicheskii otdel Kamchatskoi ékspeditsii 1908-1911 g.g. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1925. T. 57, vyp. 1, p. 3-32) *Title tr.:* The Geological Section of the Kamchatka Expedition, 1908-1911.

A previously unpublished report on the work of the geological party of the expedition, giving its routes, short descriptions of volcanoes (with their coordinates), as well as a brief account of topographical work (by N. G. Kell').

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KONT'SKII, D., *see* Khatsialov, E. S., & D. Kont'skii. Rechnoe i kabotazhnoe sudostroenie. 1935.

KOOLEMANS BEYNEN, A., *see* Bruyne, A. de, & others. Verslagen omtrent doocht Willem Barents 1878. 1879.

9098. KOPACHELLI, A. Sel'skoe khoziaistvo Kamchatskogo okruga. (Sovetskii Sever, 1933. T. 3, no. 1-2, p. 93-108, tables) *Title tr.:* Agriculture in Kamchatka.

Discussion of possibilities of agricultural development in Kamchatka, based on data of the 1928 Expedition and on results from collective and state farms 1930-31. Temperature tables (air, ground surface and various

depths) p. 96-97; production and values in various branches of agriculture; encouragement of vegetable growing; production plans for 1932; statistics on cattle and poultry.

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9099. KOPERINA, V. V. Geologicheskoe issledovanie v raione rr. Khy-fagi i fUr-fagi, pravyyh pritokov r. Korotaykhi. (Akademiia nauk SSSR. Poliarnaja komissii. Trudy, 1936. Vyp. 26, p. 119-44, illus., diagr.) *Title tr.:* Geological investigations in the regions of Khy-Yaga and Yur-Yaga Rivers, right bank tributaries of the Korotaykha River.

A report (by the leader of one of the parties of the Pay-Khoy Geological Expedition, 1933) on the stratigraphy and coal deposits of the region (in Archangel province, the Korotaykha flowing, into Barents Sea, at about 69°N. 61°E.).

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9100. KOPLAN, S. I. Predvaritel'nyi otechet o rabote Vil'fuiskoj gidrometeorologicheskoi stantsii za 1926 god. (Akademiia nauk SSSR. Komissii po izucheniiu fakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. vyp. 10, p. 235-341, illus.) *Title tr.:* A preliminary report on the work of the Vilyuyk Hydrometrical Station [Yakut A.S.S.R.], 1926.

A report on this station established on Vilyuy River by the Yakut Expedition of the Academy of Sciences U.S.S.R., 1925-1926, with data on the hydrology of the river (run off speed of current, width and depth of river, etc.).

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9101. KOPONEN, J. S. W. Kolme huomattavaa plecopterilajia. (Societas pro fauna et flora fennica. Meddelanden, 1914-1915, pub. 1915. Häfte 41, p. 83-84) *Title tr.:* Three noteworthy species of Plecoptera.

Contains critical notes on three species of pseudoneuropterous insects of order Plecoptera, including *Arcynopterus dovrensis* from Enontekis region and *Amphinemura cinerea* from Muonio and Kittilä regions of Finnish Lapland.

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9102. KOPONEN, J. S. W. Plecopterologische Studien. I. Die Plecopteren-Arten Finlands. II. Bisher unbekannte Larven und Nymphen einiger Plecopteren-Arten. Helsingfors, J. Simelli

boktr., 1916-17. 17 p. illus., +28 p. illus. (Societas pro fauna et flora fennica. Acta, 1916. v. 44, no. 3; (II) *ibid.* 1917. v. 44, no. 4) *Title tr.*: Studies of Plecoptera. I. Plecoptera species of Finland. II. Some hitherto unknown larvae and nymphae of Plecoptera.

Contains a systematic list of thirty-six species of stone flies (Plecoptera), including descriptions of *Dictyopterygella parva* and *Amphinemura palménii* n. spp. from Kola Peninsula in the first part, and description of twelve hitherto unknown larvae and nymphae of Plecoptera, including *Arcynopteryx compacta* from Swedish Lapland, in the second part. *Copy seen*: MH-A.

9103. KOPONEN, J. S. W. Suomen koskikorenoisista. (Societas pro fauna et flora fennica. Meddelanden, 1914-1915, pub. 1915. Häfte 41, p. 24-26) *Title tr.*: Pseudoneuroptera of Finland.

Contains notes on about twenty species of pseudoneuropterous insects of Finland, including four native to Finnish (Muonio) and Russian (Ponoy) Lapland. *Copy seen*: MH-A.

KOPOSOV, N. A., see Ivanova, E. N., & N. A. Koposov. Pochvy Khibinskikh tundr. 1937.

9104. KOPP, WALTER. Diskussion der Ergebnisse der Oststation im Scoresby-sund. (Statistische Diskussion). Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1939. Bd. 4, Meteorologie, Halbbd. 2. Die Ergebnisse, p. 1-86, illus. tables, diagrs.) *Title tr.*: Discussion of the results of the East Station in Scoresby Sound. (Statistical discussion). (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931. Scientific results, 1939. v. 4. Meteorology).

The meteorological and aerological results of observations made at the station on the west coast of Jameson Land, at about 71°10'N. 24°15'W., and at Kolonie, on the north side of the entrance to Scoresby Sound.

1. Surface observations; an account and tabulation of bi-hourly measurements of solar radiation at Kolonie, Aug. 1930 and June-July 1931, and at East Station, Oct. 1930-May 1931 (p. 2-12). Average monthly values of pressure, temperature, cloudiness and wind direction and speeds at Kolonie and East Station, July 1930-June 1931; hourly air temperature at East Station,

Oct. 1930-Apr. 1931; summaries of wind direction and speeds, fog, and precipitation at East Station and Kolonie, July 1930-June 1931 (p. 13-69).

2. Aerological statistics. Seasonal and monthly averages of free air temperatures and humidities at standard levels up to 4500 meters at East Station (winter months), and Kolonie (summer months), Nov. 1930-Aug. 1931. Isoplethic charts indicate temperature structure over Scoresby Sound, and are compared with those of Lindenberg and Spitsbergen (p. 69-77).

Upper air wind. Average wind speed and resultant wind directions for winter months at East Station and summer months at Kolonie, are tabulated and charted, 1930-31 (p. 77-86).

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9105. KOPP, WALTER. Die Oststation. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1935. Bd. 4, Meteorologie, Halbbd. 1: Das Beobachtungsmaterial, p. 1-190, incl. 125 p. of tables and diagrs.) *Title tr.*: The East Station. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931. Scientific results. Meteorology: the observational material.

The meteorological observations taken on the west coast of Jameson Land, at about 71°10'N. 24°15'W., in the Scoresby Sound region. Daily observations at 8, 14, and 21 hours, Aug. 8-14, Oct. 1-Dec. 31, 1930, Jan. 1-May 7, June 8-July 16, 1931; barometer record Oct. 1, 1930-July 16, 1931; aerological observations (balloon and kite) intermittently Aug., Nov.-Dec. 1930, Jan.-July 1931.

Total radiation records: annual curve for Scoresby Sound on clear days; daily record, Oct. 1-Nov. 10, 1930, Feb. 1-May 8, 1931 for the East Station; daily record Aug. 7-19, 1930, June 1-July 6, 1931 at Kolonie (Scoresby Sound, north side of entrance). Discussion of the methods and instruments, with detailed illustrations, and including remarks of visibility, auroras, and mirages. The barometric altitude computations for the Mid-Ice Station based on aerological observations at the East Station, with a table of errors to be expected.

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9106. KOPP, WALTER, and JOHANN JANSSEN. Funkbetrieb und Funkversuche. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1933. Bd. 1, p. 103-137, illus., 2 sketch maps, tables, diagrs.) *Title tr.:* Radio operation and radio research. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931).

Contents tr.: Janssen, J. The short wave sender and receiver of the Greenland Expedition. (Detailed discussion of the apparatus used at all of the stations, and suggestions for improvements).

Kopp, W. Transportation and construction of the stations. The official radio communication. Observations on sending and receiving. General reception conditions. The best wave lengths for Greenland. Influence of time of day and year and of northern lights. Local orographic distortions. Observations during the Gronau flights. Variation of strength of reception. Local meteorological influences. Reception and weather conditions (radio broadcasting).

Tables: Reception at the West Station and East Station.

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9107. KOPP, WALTER, and R. HOLZAPFEL. Beiträge zum Mechanismus des Witterungsverlauf über Grönland. (Deutsche Grönland-Expedition Alfred Wegener, 1929 und 1930-1931. Wissenschaftliche Ergebnisse, 1939. Bd. 4, Meteorologie, Halbbd. 2: Die Ergebnisse, p. 274-325, incl. 24 p. of diagrs.) *Title tr.:* Contributions to the mechanics of the weather continuity over Greenland. (German Greenland Expedition Alfred Wegener, 1929 and 1930-1931)

The authors state two questions which must be answered to clarify the overall weather relationships of Greenland: (1) What influence have the mountain and ice massifs upon the composition and movement of cyclones? (2) Are the anticyclonic currents only an effect of the lowest air layer (gravity wind) or the result of a high pressure area over Greenland (gradient wind)?

This paper discusses and presents in graphs the daily cloud and wind observations from Umanak, the West, Middle, and East Stations, and Kolonie (on

the north side of the entrance to Scoresby Sound), a line of stations across Greenland at about 71°N.

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KOPP, WALTER, *see also* Gesellschaft für Erdkunde Berlin. Deutsche Grönland-Exped. 1929-31. 1932.

KOPP, WALTER, *see also* Wegener, E., ed. Alfred Wegeners letzte Grönlandfahrt. 1932.

9108. KOPELOV, S. D. Ključevskaja pobezhdena. (Akademija nauk SSSR. Sovet po izucheniju proizvoditel'nykh sil. Serija nauchno-populjarnaja. 1936. p. 187-94, illus.) *Title tr.:* The Klyuchevskaya conquered.

Description of the ascent of the volcano, Klyuchevskaya Sopka, Kamchatka, in Aug. 1934. *Copy seen:* DLC.

9109. KORCHAGIN, ALEKSANDR ALEKSANDROVICH, 1900- Predvaritel'nyi otchet botanicheskikh issledovanii Khibinskiikh tundr. (In: Khibinskiye apatity, 1932. T. 2, p. 431-46) *Other authors:* O. F. Gaaze, and K. A. Rassadina. *Title tr.:* Preliminary report on botanical surveys of Khibina Tundras.

Results of investigations of the Kola Peninsula by two survey parties (botanists and geobotanists) of the Kola Expedition in 1930. The parties collected mosses and lichens, photographed landscapes and established experimental platforms to study the interrelation of mosses and lichens.

The report describes the characteristics of the vegetation by regions, dealing with lichens, mosses, forests, and their dependence upon the altitude, insolation, winds, spring alluvia, etc. p. 432-42, also summarizes results of the parties' work on the bryology (p. 442-44) and lichenology (p. 444-45).

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9110. KORCHAGIN, ALEKSANDR ALEKSANDROVICH, 1900- Proiskhozhdenie "pikhtovogo slantša" temnokhvoinykh lesov severovostoka Evropeiskoi chasti SSSR. (Sovetskaja botanika, 1936. No. 5, p. 49-53, illus.) *Title tr.:* Origin of the "rampant fir" of the dark coniferous forests of north-eastern European U.S.S.R.

Contains a discussion of the origin and biology of a peculiar dwarfish form of *Abies sibirica* often found in the Arkhangelsk region, Pechora River basin.

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9111. KORCHAGIN, ALEKSANDR ALEKSANDROVICH, 1900- . Rastitel'nost' morskikh allüviev Mezen'skogo zaliva i Cheshskoi guby (luga i lugovye bolota). (Akademiia nauk SSSR. Botanicheskii muzei. Trudy, Seria 3, Geobotanika, 1935. Vyp. 2, p. 223-344, illus.) *Title tr.*: The vegetation of the marine alluvial soils of the Mezen' and Cheshskaya Bay regions (meadows and meadow swamps).

Results of the Northern Geobotanical Expedition of the Botanical Institute of the Academy of Sciences, 1932.

Contents tr.: Survey of the literature on sea coast meadows and swamps, p. 223-38. Formation and relief of the littoral terrace, p. 239-51. Flora of the littoral meadows and swamps, p. 252-57. Vegetation of the littoral meadows and swamps ("laid"), p. 257-58. Vegetation of the areas often inundated by the sea, p. 296-310. Vegetation of the non-inundated areas, p. 310-14. Types of the littoral formations of Mezen' Bay and Cheshskaya Bay, p. 315-18. Economic characteristics of the "laidy" of Mezen and Cheshskaya Bays, p. 318-20. Some regularities in the geographical distribution of the littoral vegetation, p. 321-30; Literature (57 items) p. 330-32. Summary in German. p. 333-44. *Copy seen:* MH-A.

9112. KORCHAGIN, ALEKSANDR ALEKSANDROVICH, 1900- , and M. V. KORCHAGINA. Rastitel'nost' Khibinskikh gor. (In: Akademiia nauk. Putevoditel' po Khibinskim tundram, 1931, p. 71-82) *Title tr.*: Vegetation of Khibiny Mountains.

Contains a general description of the vegetation of Khibiny Mts. (Kola Peninsula), arranged by geobotanical zones: (1) mountain foot zone (forest, swamps, tundra); (2) subalpine zone; (3) alpine zone (tundra).

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KORCHAGINA, M. V., *see* Korchagin, A. A., & M. V. Korchagina. Rastitel'nost' Khibinskikh gor. 1931.

9113. KORCHAZHINSKII, I. I. Neza-topliäemaia vekha. (Sovetskaiä Arktika, 1937, no. 9, p. 92-93, illus.) *Title tr.*: A spar buoy which cannot be flooded.

Description of a newly built spar-buoy, the method of its installation and test at Yugorskiy Shar in 1935.

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9114. KOREN, JOHAN. Blandt Tschuckterlandets beboere. (Norske geografiske selskab. Aarbok, 1908-09, pub. 1909, p. 18-25) *Title tr.*: Among the inhabitants of the Chukchi country. Manners and customs of Chukchiks as observed during an enforced sojourn there of one week in Sept. 1908.

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9115. KOREN, JOHAN, 1809-1885, and D. C. DANIELSSEN. Bidrag til de norske Gephyreers naturhistorie. (Nytt magasin for naturvidenskapene, 1876. Bd. 21, hefte 1-2, p. 108-138) *Title tr.*: Contributions to the natural history of Norwegian Gephyrea.

Contains anatomical and histological study of Norwegian marine worms of the class Gephyrea (Annelida) and an enumeration for twenty-one species with description, synonymy and data on Norwegian and total distribution and habitat. Includes some native to northern Norwegian waters.

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KOREN, JOHAN, 1809-1885, *see also* Danielssen, D. C., & J. Koren. Asteroidea. 1884.

KOREN, JOHAN, 1809-1885, *see also* Danielssen, D. C., & J. Koren. Fra d. Norske Nordhavsexpedition. Echinoderm. 1877-83.

KOREN, JOHAN, 1809-1885, *see also* Danielssen, D. C., & J. Koren. Fra d. Norske Nordhavsexpedition. Gephyreer. 1880.

KOREN, JOHAN, 1809-1885, *see also* Danielssen, D. C., & J. Koren. Holothurioidea. 1882.

KOREN, JOHAN, 1809-1885, *see also* Danielssen, D. C., & J. Koren. Pennatulida. 1884.

KORFES, O., *see* Braun, G., & O. Korfes. Finnisch-Lapland und Petsamo. 1925.

KORHONEN, VILHELM VIKTOR, *see* Finland. Meteorologinen keskuslaitos. État glaces et neiges Finlande 1892-93-1897/98. 1904-1909.

KORHONEN, VILHELM VIKTOR, *see* Finland. Meteorologinen keskuslaitos. Schnee- u. Eisverhältnisse Finland 1898/99-1908/09. 1906-25.

9116. KORIDALIN, E. A. O vozmozhnosti primeneniia seismicheskikh issledovaniĭ k izucheniiu vechnoi merzloty. (Akademiia nauk SSSR. Komissiiu po izucheniiu vechnoi merzloty. Trudy, 1934. T. 3, p. 13-19) *Title tr.*: Possibility of application of seismic investigations for the study of permafrost.

Contains a discussion of the possibility of using seismic methods for the determination of the subterranean relief and geological structure of layers adjacent to the surface of the earth, the study of subterranean ice, and the determination of the thickness and incline of the surface of the permafrost layer. Formulas of calculation are given. *Copied seen:* DLC.

9117. KORNERUP, ANDREAS NIKOLAUS, 1857-1881. Bemaerkninger om Grønlands almindelige naturforhold. (In: Lange, J. M. C., and others. Conspectus florae Groenlandicae. Pars. 1. Pub. in: Meddelelser om Grønland, 1880. 3. hefte, p. xxvii-xxxvi, (French) p. 224-31) *Title tr.*: General notes on the nature of Greenland.

Contains a general sketch of the nature of Greenland, with brief data on geography, geological structure, climate and vegetation; French résumé, p. 224-31. *Copied seen:* DLC.

9118. KORNERUP, ANDREAS NIKOLAUS, 1857-1881. Geologiske iagttagelser fra vestkysten af Grønland (62°15'-64°15'N.Br.). (Meddelelser om Grønland, 1879. 1. hefte, p. 77-139, illus., plate, col. fold. map) *Title tr.*: Geological observations from the west coast of Greenland (62°15'-64°15'N.).

Results of the expedition to south Greenland under J. A. D. Jensen, 1878.

Contains discussion of (1) the petrology, with a table of striations and faults; (2) raised shorelines, terraces, moraines, and striae from coastal ice; (3) the inland ice at Frederikshaab Glacier (elevation, surface features, nunataks, moraines, etc.). Summary in French at end of volume. *Copied seen:* DLC.

9119. KORNERUP, ANDREAS NIKOLAUS, 1857-1881. Geologiske iagttagelser fra vestkysten af Grønland (66°55'-68°15'N.Br.). (Meddelelser om Grønland, 1881. 2. hefte, p. 149-94, 2 col. plates (1 fold.), fold. col. map, 3 fold. tables) *Title tr.*: Geological observations from the west coast of Greenland (66°55'-68°15'N.).

Based on work of the expedition to Holsteinsborg and Egedesminde Districts, 1879. Descriptions of the rocks, a table of directions of striations and faults, a discussion of fault planes and a section on glacial geology, including raised shorelines, terraces and glacial deposits. Summary in French at end of volume. *Copied seen:* DLC.

9120. KORNERUP, ANDREAS NIKOLAUS, 1857-1881. Minder fra en rejse; Sydgrønland. (Geografisk tidsskrift, København, 1878. Bd. 2, suppl. p. 11-17) *Title tr.*: Recollections from a journey in south Greenland.

Descriptions of plant and animal life, climate and communication in the Julianehaab District, icebergs in the fiords, drift ice in the waters outside the fiords; also incidents from the Danish Expedition to Julianehaab District, 1876. *Copied seen:* DLC.

9121. KORNERUP, ANDREAS NIKOLAUS, 1857-1881. Om Grønlands natur i forskellige egne af landet. (Geografisk tidsskrift, København, 1880. Bd. 4, p. 2-9, 2 plates) *Title tr.*: Natural conditions in various parts of Greenland.

Outline of the geology, the plant and animal life of West Greenland, particularly the Disko and Julianehaab regions and Jensen Nunataks (62°30'N.). *Copied seen:* DLC.

KORNERUP, ANDREAS NIKOLAUS, 1857-1881, *see also* Lange, J. M. C., Conspectus Florae Groenlandicae. 1880.

KORNERUP, ANDREAS NIKOLAUS, 1857-1881, *see also* Lange, J. M. C., & A. Kornerup. Bemaerkninger om planter af Grønland. 1879.

KORNERUP, ANDREAS NIKOLAUS, 1857-1881, *see also* Steenstrup, K. J. V., & A. Kornerup. Beretning exped. Julianehaab, 1876. 1881.

9122. KORNERUP, BJØRN, 1896- , and others. Biskop dr. theol. Otto Fabricius; et mindeskrift i hundredeaaret for hans død. 1922. (Meddelelser om Grønland, p. 215-400, illus. (incl. port.)) *Title tr.*: Bishop Otto Fabricius, Dr. theol. a work commemorating the hundredth anniversary of his death.

Contents tr.: KORNERUP, B. The life of Otto Fabricius and his importance as a clerical personality.

SCHULTZ-LORENTZEN, C. W. Otto Fabricius and the Greenland mission.

JENSON, A. S. Otto Fabricius as a natural scientist.

Each part appears in this bibliography under its author's name.

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9123. KORNERUP, BJORN, 1896-. Otto Fabricius' levned og betydning som kirkelig personlighed (*In his: Biskop ar. theol. Otto Fabricius, 1 del. Pub in Meddelelser om Grønland, 1923. Bd. 62, p. 217-92, port.*) *Title tr.:* The life of Otto Fabricius and his importance as a clerical personality.

Life and work of Fabricius as missionary in Greenland and minister in Norway and Denmark.

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9124. KORNERUP, THORVALD OTTO, 1864-. Oversigt over Meddelelser om Grønland, 1876-1926. København, C. A. Reitzel, 1926. 160 p. incl. tables. *Title tr.:* Survey of Meddelelser om Grønland, 1876-1926. Issued by: Kommissionen for Ledelsen af de geologiske og geografiske undersøgelser i Grønland.

Contains an outline of the Commission and of the scientific investigations in Greenland under its auspices; mapping, meteorological and magnetic observations, hydrography, etc., p. 5-102; chronological, annotated list of expeditions, p. 103-117; results of expeditions (arranged by author) as published in *Meddelelser om Grønland*, p. 118-24; biographical notes on participants in the expeditions, p. 125-47; list of contents (by volume) of *Meddelelser om Grønland*, 1876-1925, and index (by author) of Greenland papers in *Geografisk tidsskrift*, 1877-1926, p. 147-58.

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9125. KORNILUK, I. I., and others. Nordvik-Khatangskii neftenosnyi raion. Kratkii ocherk geologii i neftenosnosti. (Nedra Arktiki, 1946. No. 1, p. 15-73, maps, diagrs.) *Other authors:* T. P. Kochetkov, and T. M. Emel'ianov. *Title tr.:* The Nordvik-Khatanga oil-bearing region. Brief sketch of the geology and oil deposits.

"The Nordvik-Khatanga region [72° 30'-74° 35'N. 108°-113°E.] northern Siberia, is composed of Devonian to Cretaceous beds below a thick cover of Quaternary deposits. The principal oil-bearing zones occur in the Ilinsky

series (upper Permian) and the sub-Carnian (middle Triassic) formation. Minor amounts of light oil are present in Permian beds."—Geological Society of America. Bibliography and index of geology. Summary in English.

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9126. KORNILOV, I. Vodnye puti iAkut'skogo Severa. (Sovetskaiia Arktika, 1937, no. 7, p. 50-53, illus.) *Title tr.:* Waterways of the Yakut North.

Transportation on the Anabar, Olenek, Yana, and Indigirka Rivers.

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KOROBITSYN, NIKOLAI IVANOVICH, see Andreev, A. I. Russkie otkrytiia v Tikhom okeane i Severnoi Amerike. 1944.

9127. KROLEVA, Y. A. Ob ekotipakh sornogo rasteniia *Leontodon autumnalis* L. (Peterhof-Biologicheskii institut. Trudy, 1932. No. 8, p. 173-201, illus., plates 7-12) *Title tr.:* On ecotypes of the weed *Leontodon autumnalis* L.

Contains a systematic-ecological study of *Leontodon autumnalis*, a weed widely spread in central and northern U.S.S.R. (to 70°N.), with data on systematic characteristics of various ecotypes and their modification in response to particular habitats.

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9128. KOROSTELEV, NIKOLAI ARKAD'EVICH, 1871-. K klimatologii Novoi Zemli. St.-Petersbourg, 1912. 44 p. 2 plates. (Akademiia nauk SSSR. Mémoires. Sér. 8 Classe physico-mathématique. Vol. 30, no. 9) *Title tr.:* Climatology of Novaya Zemlya.

A climatological sketch based on meteorological observations taken at various points during expeditions on Novaya Zemlya up to the year 1910. Most of observational materials are for Malye Karmakuly. *Copy seen:* DLC.

KOROTKINA, M. IA., see Neishtadt, M. I., & M. IA. Korotkina. Torfiane bolota iugo-vost. Kamchatki. 1936.

9129. KOROVKIN, A. A. Geobotanicheski ocherk Khibinskogo massiva. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1934. T. 66, vyp. 6, p. 787-826, illus.) *Title tr.:* Geobotanical survey of the Khibiny massif.

Contains a brief sketch of the exploration of Khibiny Mts. (Kola Peninsula) and author's own trip as a

member of the Kola Expedition, 1932-33; physical and geographical surveys, general geobotanical sketch and detailed study of various plant associations and geobotanical zones with a list of about eighty flowering plants and cryptogams. Summary in German.

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9130. KOROVKIN, A. A. Pol'farno-al'piiskii botanicheskii sad. (Sovetskaiā botanika 1934. No. 4, p. 154-63, illus. text map) *Title tr.*: Polar-alpine botanical garden.

Contains a geographical and botanical description of the Polar Alpine Botanical Garden in Khibiny Mts., Kola Peninsula, near the town Khibinogorsk (67°40'N. 33°40'E.); data on vertical zones of the vegetation and on food, fodder, economic and ornamental plants, cultivated in that garden and growing wild in adjoining regions.

Copy seen: MH-A.

KOROVKIN, A. A., *see also* Avrorin, N. A., & others. Materialy po rastitel'nosti Khibinskikh gor. 1936.

9131. KOROVKIN, I. P. Gidrologicheskie nablūdeniia na reke Khete u sela Volochanki. (Problemy Arktiki, 1940, no. 4, p. 35-40, tables, diagrs.) *Title tr.*: Hydrological observations on the Kheta River near Volochanka village.

Results of irregular observations in the region in 1933-37. Data on water level fluctuation, navigation period, water discharge, and relation between hydrological and meteorological elements.

Copy seen: DLC.

9132. KOROVKIN, I. P. K voprosu ob opredelenii normy rechnogo stoka na Krainem Severe (Problemy Arktiki, 1940, no. 9, p. 35-40, tables) *Title tr.*: On the determination of the rate of river water discharge in the far North.

Discussion of methods of determining the water discharge of large and small rivers emptying into the seas of the Northern Sea Route.

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9133. KOROVKIN, I. P. Materialy po gidrologii reki Khatangi. (Severnyi morskoi put', 1940. No. 16, p. 79-98, illus., map, diagrs.) *Title tr.*: Material on the hydrology of Khatanga River.

General description of the river and basin, data on river levels, freezing

and opening, discharge of water, temperatures, and chemical analyses.

Copy seen: DLC.

9134. KOROVKIN, I. P. Rezhim vzveshennykh nanosov v Severosibirskikh rekakh. (Problemy Arktiki, 1940, no. 12, p. 19-27, tables.) *Title tr.*: The system of suspended alluvia in the north Siberian rivers.

Analysis of data collected by expeditions of the Arctic Institute and the Academy of Sciences since 1927.

Tables: 1. Average quantities of suspended alluvia in the principal rivers of arctic Siberia.

2. Average turbidity of Kolymna River at right and left banks.

3. Average turbidity of Lena River at Kyusysur.

4. Vertical distribution of turbidity of the Lena at Kyusysur.

5. Monthly percentile distribution of suspended alluvia in the Ob' and the Yenisey.

6. Physical composition of bottom sediment and suspended alluvium in the Yana.

7. Variations in turbidity of north Siberian rivers in the course of a year.

8. Turbidity in relation to rate of flow.

9. Physical analysis of bottom sediments of the Khatanga.

10. Percentages of organic matter contents of sediments and suspended alluvium in the Khatanga.

Bibliography (8 items).

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9135. KOROVKIN, I. P. Sravnitel'naia kharakteristika stoka velikikh sibirskikh rek. (Problemy Arktiki, 1940, no. 10, p. 23-25, tables.) *Title tr.*: Comparative characteristics of water discharge of the large Siberian rivers.

Discussion of water discharge of Ob, Yenisey, and Lena Rivers, based on observations of various hydrological stations for 1930-38. *Copy seen: DLC.*

9136. KOROVKIN, I. P., and V. S. ANTONOV. Prilivy v reke Khatange i Khatangskom zalive. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 105, p. 125-41, tables, diagrs.) *Title tr.*: Tides in Khatanga River and Bay.

A study conducted for the Arctic Institute of U.S.S.R., 1936, in this deep inlet of Laptev Sea (about 73°N. 108°E.)

Copy seen: DLC.

9137. KORSAKOV, G. M. Inkorporirovanie v paleoaziatskikh i severoamerikanskikh indeiskikh iazykakh. (Sovetskii Sever, 1939, no. 4, p. 27-51) *Title tr.*: Incorporation in Paleo-Asiatic and North American Indian languages.

Discussion of this method of word formation as exemplified in the Gilyak, Chukchi, Koryak, and Dakota (Teton dialect) languages. *Copy seen*: DLC.

9138. KORSAKOV, G. M. Nymylansko (koriafsko)-russkii slovar'; sostavil G. M. Korsakov, pod redaktsiei S. N. Stebnitskogo. Slovar' soderzhit 5000 slov s prilozheniem grammaticheskogo ocherka nymylanskogo iazyka. Moskva, Gos. izd-vo inostr. i natš. slovarei, 1939. 350 p. 1 l. *Title tr.*: Koryak-Russian dictionary; compiled by G. M. Korsakov under the editorship of S. N. Stebnitskii. Dictionary includes 5000 words with an appendix, a grammatical outline of the Koryak language.

Contains Koryak-Russian dictionary; short outline of grammatical structure of the Koryak language and its dialects; rules of phonetic changes; morphology; order of words in the sentence; list of irregular stems; list of proper names.

Copy seen: DLC; NN.

9139. KORSAKOV, G. M. Vosstanie itel'menov v XVIII veke. (Sovetskii Sever, 1938, no. 1, p. 5-21) *Title tr.*: The uprising of Kamchadals in the 18th century.

Historical sketch of Kamchadals living in southern Kamchatka Peninsula.

Copy seen: DLC.

KORSAKOV, G. M., *see also* Sbornik statei, posviashchennykh S. P. Krasneninnikova, 1939.

9140. KORTRIGHT, FRANCIS H. The ducks, geese and swans of North America, a vade mecum for the naturalist and the sportsman. Washington, D. C., The American Wildlife Institute, 1942. 3 p. l., v-viii, 476 p. incl. illus. (incl. sketch maps) 36 col. plates, fold. tables.

Reprinted as "second edition" in 1943, also subsequently (fifth printing, 1948) with minor corrections only.

The author, a Canadian sportsman and naturalist, compiled this unique guide book from the published works of others. It contains introductory material on taxonomy, anatomy, scientific nomenclature, moults and plumages,

sex and age determination, habits, migration routes, conservation, and other general information. Descriptions, identifications and life stories of sixty-two species (including some which have become practically extinct). This represents the first attempt to give year-round plumage identification. Includes weights and measures of wildfowl; and a bibliography (174 items).

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9141. KORZHEVSKAIA, E. S. Petrograficheskoe opisanie uglei raiona r. Kolymy. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 59, p. 85-94, tables 2 plates) *Title tr.*: Petrography of coal of the Kolyma River region.

Report on analysis of coal samples made in the laboratories of the Central Scientific Geological Research Institute.

Copy seen: DLC.

9142. KORZHEVSKAIA, E. S., and O. F. GRACHEVA. Petrograficheskie tipy uglei Srednepel'atkinskogo mestorozhdeniia Tungusskogo basseina. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1939. T. 126, p. 207-220, illus., 2 plates) *Title tr.*: Petrography of coal from Srednepel'atkinsk, Tunguska Basin.

A petrographic analysis of coal samples collected by two geologists of the Arctic Institute in the deposits near Srednyaya Pelyatka River (about 65°20'N. 89°05'E.), and Letnyaya River (about 65°55'N. 89°05'E.), both left tributaries of Nizhnyaya Tunguska River, Krasnoyarsk territory.

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9143. KORZHEVIN, V. S., d. 1929. Rastitel'nost' doliny r. Aldana. Leningrad, 1934. 162 p. illus. maps, tables, diags. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy. Seriia iakutskai. Vyp. 16) *Title tr.*: Vegetation of the Aldan River valley.

Contains a geographic and geomorphological survey of the valley of Aldan River, explored by the author in 1928, as a head of the Yakutsk Expedition of the Academy of Sciences; a geobotanical study of the vegetation; a systematic list of typical species with detailed data on geographic and ecological factors of various geobotanical zones; study of plant association, their elements, relationship and succession,

a systematic enumeration of four hundred sixteen flowering plants and sixty-one mosses and lichens, collected by the author and G. A. Mel'vil', with data on habitat. **Copy seen:** DLC; NN.

9144. KORZINKINA, E. M. *Ekologiya i dinamika myshevidnykh gryzunov južnogo Jamala*. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1946. T. 194, p. 77-113) **Title tr.:** The ecology and population dynamics of mouse-like rodents in southern Yamal.

Results of author's field studies, 1939-40: a short description of the physical geography of the region, the methods used; and (based on two species of lemmings, four species of vole and one species of water rat) discussion of the numerical interrelationship of the mice and lemming population with arctic foxes. Bibliography (22 items). **Copy seen:** DLC.

9145. KOSACK, HANS-PETER. Über Darstellungsmethode von polaren Übersichtskarten. Ein Beitrag zur Polar-kartographie. (Polarforschung, 1947, pub. 1948. Jahrg. 17, Bd. 2, p. 140-42) **Title tr.:** On the method of presentation of an overall arctic map. A contribution to polar cartography.

Notes on a map to appear in part 1 of *Wissenschaftliche Forschungsberichte*, a supplement to the journal, *Polarforschung*. **Copy seen:** DSI-M.

9146. KOSCHMANN, ALBERT HERBERT, 1896- . Hornblende and related rocks of Annette and Duke Islands, southeastern Alaska. (American Geophysical Union. Transactions, 1935. v. 16, p. 268-74, incl. 2 plates)

Detailed description of the rocks and their origin. **Copy seen:** DGS.

9147. KOSHELEV, IA. I. Novye zadachi olenevodcheskikh sovkhov. (Sovetskaja Arktika, 1935, no. 3, p. 72-75, tables) **Title tr.:** New tasks of the state reindeer ranges.

Copy seen: DLC.

9148. KOSHELEV, IA. I. Zadachi Glavsevmorputi v oblasti olenevodstva. (Sovetskoe olenevodstvo, 1934. Vyp. 4, p. 250-56) **Title tr.:** The tasks of Main Administration of the Northern Sea Route in the field of reindeer husbandry.

Copy seen: CaOA; DF.

9149. KOSHKAROV, P. Korrali i promezhutochno-promyslovye bazy na pastbishchakh v olenevodcheskikh khoziāi-

stvakh. (Sovetskii Sever, 1935. T. 6, no. 1, p. 55-62, illus. tables). **Title tr.:** Corrals and auxiliary stations in reindeer pastures.

Discussion of construction and utilization of corrals, based on the author's experience in the Yamal Tundra.

Copy seen: DLC.

9150. KOSHKIN, V. K. Ostrov Begicheva i ego promyslovye vozmozhnosti. (Sovetskaja Arktika, 1936, no. 11, p. 88-90, illus.) **Title tr.:** Begichev Island and its potential industrial development.

Description of the animal life (especially arctic fox and wild reindeer) and possibilities for development of the hunting and sealing industries; results of the author's observations while wintering on this island east of Taymyr (74°20'N. 112°30'E.), 1934-35.

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9151. KOSHKIN, V. N. K voprosu zimovki morzha v zapadnoi chasti moria Laptevskikh. (Problemy Arktiki, 1940, no. 7-8, p. 90-95, map) **Title tr.:** On the wintering of seals in the western section of the Laptev Sea.

Based on observations at polar stations and data from winter and spring ice scouting trips, 1932-39. Map shows distribution of seals in the sea during the period, Nov.-April.

Copy seen: DLC.

9152. KOSHKIN, V. N. Ledovyi patrul' v Karskom more. (In: Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervyi, 1941. p. 52-64) **Title tr.:** Ice patrol in the Kara Sea.

Narrative of a voyage on the *Nerpa* in 1939.

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9153. KOSHKIN, V. N. Lezhbishche morzhei na ostrove Preobrazheniia. (Problemy Arktiki, 1940, no. 5, p. 82-97, illus. table) **Title tr.:** Seal rookeries on Preobrazheniya Island.

Based on the author's investigations in winter 1934-35. A brief outline of the island and the history of its exploration; description of the rookeries; biological characteristics of the seal, its age groups, color, food, coastal and distant migration.

Copy seen: DLC.

9154. KOSHKIN, V. N. Nekotorye dannye po promyslovoi faune ostrova Begicheva. (Problemy Arktiki, 1937, no. 2, p. 89-101, map) **Title tr.:** Some data on the commercial fauna of Begichev Island.

Report from a hunting and fishing station established in 1934, on the arctic fox, reindeer, wolf, polar bear, walrus and bearded seal; the fishing, bird shooting and collecting of mammoth ivory, on this island in Khatanga Bay off the coast of Yakut A.S.S.R. (74°-20'N. 112°30'E.) Summary in English.

Copy seen: DLC.

9155. KOSHKIN, V. N. Priliv u poluostrova ĭŭriŭng Tumus. (Leningrad. Vsesoŭznyiŭ arkticheskiĭ institut. Trudy, 1937. T. 81, p. 61-66, tables, diagrs.) *Title tr.:* Tides on Yuryung Tumus Peninsula.

Observation made at the Nordvik Bay (Laptev Sea) polar station for the Arctic Institute of U.S.S.R., Dec. 3-31, 1934, and Feb. 17-Mar. 18, 1935.

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9156. KOSHKIN, V. N. Priliv v bukhte Neupokoeva u ostrova Preobrazheniĭa. (Leningrad. Vsesoŭznyiŭ arkticheskiĭ institut. Trudy, 1937. T. 81, p. 67-72, tables, diagrs.) *Title tr.:* Tides in Neupokoyeva Bay at Preobrazheniya Island.

Observations made by the polar station on Preobrazheniya Island, (about 74°45'N. 112°42'E. in Laptev Sea) for the Arctic Institute of U.S.S.R., Nov. 18-Dec. 19, 1934, and July 31-Aug. 13, 1935.

Copy seen: DLC.

9157. KOSIBA, ALEKSANDER. I. Polska Wyprawa na Grenlandię. (First Polish Greenland-expedition). (Czasopismo geograficzne, 1937. T. 15, p. 209-215) Text in Polish; summary in English.

Preliminary report on an expedition under the author's leadership, summer 1937, sent by the Geographical Society in Lwów, to carry out a photogrammetric survey, and glaciological, geological, geomorphologic and botanical investigations on the inland ice margin and neighboring terrain of West Greenland, between Søndre Strømfjord (66°45'N. 52°W.) and Arfersiorfik (about 68°N. 50°W.). Includes note on the personnel, location of base, and type of research which the party undertook.

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9158. KOSINSKAJA, EKATERINA KONSTANTINOVNA, 1900- . Desmiedievye vodorosli iz Arktiki. (Akademiĭa nauk SSSR. Botanicheskiĭ institut. Tru-

dy, Ser. 2, Sporovye rasteniĭa, 1936, vyp. 3, p. 401-449, illus.) *Title tr.:* Desmidian algae from the Arctic.

Contains a systematic enumeration of one hundred and twenty-three species of desmids in thirteen genera, collected in 1932 (by the botanists of the *Sibirskov* expedition under Prof. Otto Schmidt) on various islands and coastal localities in the arctic regions of the U.S.S.R.; includes descriptions of nine new species and forms, a historical sketch of the exploration of the islands of the Russian Arctic and a bibliography (sixteen items). Summary in German.

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9159. KOSINSKAJA, EKATERINA KONSTANTINOVNA, 1900- . K flore desmiedievych ozera Monche. (Akademiĭa nauk SSSR. Botanicheskiĭ institut. Trudy, Ser. 2, Sporovye rasteniĭa, 1936, vyp. 3, p. 451-71, illus.) *Title tr.:* On the flora of desmids of Lake Monche.

Contains a systematic enumeration of ninety species of desmidian algae, including one new form of *Staurastrum lunatum*, collected in 1933 in Lake Monche (68°N. 34°47'E.) Kola Peninsula. Summary in French.

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9160. KOSINSKAJA, EKATERINA KONSTANTINOVNA, 1900- . Kriticheskiĭ spisok presnovodnykh vodoroslei, sobrannykh V. P. Savichem v arkticheskoĭ pravitel'svennoĭ ěkspeditcii 1930 g. (Akademiĭa nauk SSSR. Botanicheskiĭ institut. Trudy, Ser. 2, Sporovye rasteniĭa, 1933, vyp. 1, p. 35-63, illus. (text map)) *Title tr.:* Critical enumeration of fresh-water algae, collected by V. P. Savich in the course of the government arctic expedition of 1930.

Contains a list and systematic enumeration of ninety-one species of fresh-water algae, collected in 1930 mostly in Franz Josef Land, Severnaya Zemlya and Vize Island, including descriptions of five new species and forms. Bibliography (16 items) and a text map indicating the route of the expedition. Summary in German.

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9161. KOSINSKAJA, EKATERINA KONSTANTINOVNA, 1900- . Materialy k flore vodoroslei Kol'skogo poluostrova. (Akademiĭa nauk SSSR. Botanicheskiĭ institut. Trudy, Ser. 2, Sporovye rasteniĭa, 1935, vyp. 2, p. 57-

105, illus.) *Title tr.*: Materials for al-
gological flora of Kola Peninsula.

Contains a systematic enumeration of
two hundred fifteen species of algae,
including three new forms, collected by
I. D. Tšinzerling in Kola Peninsula
in 1927, with a historical sketch of al-
gal exploration of the region, p. 57-64,
and a bibliography (twenty-five items).
Summary in French.

Copy seen: MH-A.

9162. KOSINSKAJA, EKATERINA
KONSTANTINOVNA, 1900-. Mono-
graficheskiĭ ocherk vidov roda *Scyto-
nema* sektiĭi *Petalonema*. (Leningrad.
Glavnyi botanicheskiĭ sad RSFSR. In-
stitut sporovykh rastenii, 1926. T. 4,
vyp. 5-6, p. 57-75, illus.) *Title tr.*:
Monographic survey of the species of
the genus *Scytonema* of the section
Petalonema.

Contains taxonomic description of the
genus and section, a key to the species
and forms, and systematic enumeration
of the species with literature citations
and data on distribution; bibliographi-
cal references in footnotes. Includes
Scytonema alatum, collected in Mur-
mansk province in 1925. Summary in
Latin.

Copy seen: NNBG.

KOSINSKAJA, EKATERINA KON-
STANTINOVNA, 1900-, *see also*
Tšinzerling, I. D., & E. K. Kosinskaja.
Materialy k kharakteristike rastitel'-
nosti. 1935.

KOSINSKAJA, EKATERINA KON-
STANTINOVNA, 1900-, *see also*
Tšinzerling, I. D., & E. K. Kosinskaja.
Materialy po sornoi rastitel'nosti. 1935.

KOSMIN, Lt., *see* Vrangeli, F. P.
Narrative of exped. to polar sea 1820-
23. 1840.

KOSMIN, Lt., *see* Vrangeli, F. P.
Narrative of exped. to polar sea 1820-
23. 1844.

KOSMIN, Lt., *see* Vrangeli, F. P.
Puteshestvie po sŭev. beregam Sibiri,
1820-24. 1841.

KOSMIN, Lt., *see* Vrangeli, F. P.
Reise Nordküste Sibiri 1820-24. 1839.

9163. KOSOI, A. I. God v arhipelaghe
Nordenshel'da. (Sovetskaja Arktika,
1939, no. 12, p. 37-43, illus.) *Title tr.*:
One year in the Nordenskiöld Archi-
pelago.

Account of work on the hydrographic
ship, *Nord*, which with the *Toros* was
sent by the Hydrographic Administra-
tion to winter in the Nordenskiöld Ar-
chipelago (77°N. 94°E.) in eastern
Kara Sea; the *Nord* to winter among
the southeasterly islands, explore the
possibility of using Matisen Strait
(77°N. 94°E.) for navigation and to
map the islands.

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9164. KOSOI, A. I. Lager' neizvestnogo
morekhoda v salive Akhmatova. (Leto-
pis' Severa, 1949, no. 1, p. 308-312)
Title tr.: The camp of an unknown ex-
plorer at Akhmatova Bay.

Account of the finding on July 12,
1947, of a human skeleton, remains of
a campfire and empty cans on the
northeastern coast of Bol'shevik Island
(Severnaya Zemlya), and author's sug-
gestion that these may be relics of the
Rusanov Expedition of 1912-13.

Copy seen: DLC.

9165. KOSOI, A. I. Na vostochnom po-
berezh'e Taimyrskogo poluoostrova; opyt
Vostochno-Taimyrskoi ěkspeditsii Gidro-
graficheskogo upravleniia Glavsevmor-
puti 1940-1941 gg. Moskva, Izd-vo
Glavsevmorputi, 1944. 158, [2] p. il-
lus., fold. maps. *Title tr.*: On the east
coast of Taymyr Peninsula; results of
the Eastern Taymyr Expedition of the
Hydrographic Dept. of the Main Ad-
ministration of the Northern Sea Route,
1940-1941.

Account, for general readers, of the
organization of this expedition (p. 16-
35) and recommendations regarding
arctic expeditions in general (p. 133-
54). Results (in brief) of astronomic,
geodetic, magnetic, and topographic in-
vestigations. Description of archeologic
finds indicating 17th century voyages to
the area, and five maps based on work
of successive expeditions.

Copy seen: DLC.

9166. KOSOI, A. I. O metodike opre-
deleniia skloneniia na dreifušshchem l'-
du. (Severnii morskoi put', 1940, no.
16, p. 75-79, diagrs.) *Title tr.*: On the
methods of determination of deviation
on drifting ice.

A discussion of methods and pecu-
liarities of determining magnetic devi-
ation from drifting ice.

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9167. KOSOI, L. A., and N. K.
NEFEDOV. Materialy k geologii Sred-

nego Paï-Khoiã. (Leningradskii geologicheskii trest. Izvestiã, 1936. Vyp. 4 (13), p. 1-7, sketch map) **Title tr.:** Contribution to the geology of middle Pay-Khoy.

Description of the orographic structure and geology of the middle part of a mountain range lying between 69°N. and Kara Sea, east and south of Yugorskiy Shar Strait, 60°30'-63°15'E., where the authors worked in 1932. Summary in English, p. 6-7.

Copy seen: DGS.

9168. KOSOVANOV, VYACHESLAV PETROVICH, 1880- Bibliografiã Prieniseiskogo kraia; sistematičeskii ukazatel' knig i statei na russkom i inostrannykh jazykakh, opublikovannykh s 1612 po 1923 g. vključitel'no. T. 2. Krasnoïarsk, Izdanie Eniseiskogo Gubernskogo ekonomicheskogo soveshčaniã, 1923. v. 2: 296, xv p. **Title tr.:** Bibliography of the Yenisey region; a systematic index to books and articles published in the Russian and foreign languages from 1612 to 1923 (inclusive). Vol. 2.

A bibliography of the region corresponding roughly to the present Krasnoyarskiy Kray. Vol. 2 (pure and applied sciences) contains six thousand eighty-eight entries, arranged (by subject) according to the International Decimal Classification system; with an alphabetical index of authors.

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9169. KOSTIKOV, L. V. Bogovy oleni v religioznykh verovaniïakh khasovo. (Etnografiã, 1930. v. 5, no. 1-2, p. 115-32) **Title tr.:** Consecrated reindeer in the religious beliefs of the Khasovo.

Contains a detailed description of the Samoyed custom of dedicating reindeer to the deities or spirits, thus freeing these animals from ordinary duties; description of the consecration ceremony, types of animals selected for the specific deity or spirit; connection with totemism. The author's data are challenged by G. N. Prokof'ev: *Zametka o state L. Kostikova*, 1930, q.v.

Copy seen: NN.

9170. KOSTIKOV, L. V. Zakony tundry; k voprosu o položenii zhenshchin u samoedov. Leningrad, Izd-vo Akademii nauk SSSR, 1930. 68 p. (Akademii nauk SSSR. Poljarnaiã komissiã. Trudy, vyp. 3) **Title tr.:** The laws

of the Tundra; on the status of the Samoyed woman.

Description of the woman's role with illustrative anecdotes as told by natives of the tundra.

Copy seen: DLC.

9171. KOSTINSKII, S. Astronomicheskii i topograficheskii opredeleniã na Novoi Zemli v 1896 godu. (In: Èkspeditiã Imperatorskoï Akademii nauk na Novuiu Zemliu, 1896. Otchet. 1898. Pub. in Akademii nauk SSSR. Mémoires. Sér. 8. Classe physico-mathématique. Vol. 8, no. 1, p. 79-127, 3 col. maps (2 fold.), tables) **Title tr.:** Astronomic and topographic determinations on Novaya Zemlya in 1896.

Methods and results of observations made for the purpose of improving the maps of the region. Area covered was the vicinity of the settlement of Malye Karmakuly (72°22'30"N. 52°42'34"E.) and points eastward to 72°26'24"N. 53°48'42"E. **Maps:** Topographic maps of (1) the settlement, scale 1:2000; (2) the surroundings, scale 1:33,600; (3) the route inland, scale 1:100,000.

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9172. KOSTINSKII, S., and A. P. GANSKII. L'eclipse totale de soleil du 27 juillet (8 août) 1896. Observations à Malya Karmakouly, Nouvelle Zemle. (Akademii nauk SSSR. Bulletin, jan. 1897. Sér. 5, t. 6, p. 9-15, 4 plates) **Title tr.:** The total eclipse of the sun on July 27 (Aug. 8) 1896. Observations at Malye Karmakuly, Novaya Zemlya.

Report of two members of the astronomical party of the Russian Imperial Academy of Sciences Expedition to Novaya Zemlya, 1896. Includes description of the photographing of the solar corona, with some tabular data and discussion of the results.

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9173. KOSTIUK, A. G. Arkticheskie porty. (In: Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervy, 1941. p. 175-84) **Title tr.:** Arctic ports.

Improvement of port facilities at Tikson, Tiksi and Provideniya Bay carried out in 1939 and 1940.

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9174. KOSTIUK, A. G. Eshche ob urokhakh proshlogodnei arkticheskoi navigatsii. (Sovetskaiã Arktika, 1938, no. 8, p. 90-95, illus.) **Title tr.:** More lessons from last year's arctic navigation.

Description of the wreck of *Rabochii*, one of the ships in the ice-breaker *Lenin's* convoy in Laptev Sea in 1937.

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9175. KOSTIUK, A. G. Port Provideniya. (Sovetskaya Arktika, 1940, no. 4, p. 44-49, illus.) *Title tr.:* Provideniya Harbor.

Account of work and living conditions in this port on the southern coast of Chukotsk Peninsula, at the beginning of the 1940 navigation season.

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9176. KOSTIUK, A. G. Porty Arktiki (Sovetskaya Arktika, 1939, no. 8, p. 16-21, illus.) *Title tr.:* Arctic ports.

Discussion of the unsatisfactory harbor facilities at Dikson, Tiksi, Provideniya and other Soviet arctic ports.

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KOSTLIVTSOV, SERGEI, *see* U.S.S.R. Komitet ob ustroistvii russkikh amerikanskikh kolonii. Doklad komiteta ob ustroistvii kolonii. 1863-64.

9177. KOSTYLEVA, E. E. Evdialit kak tsirkonievaya ruda v Khibinskikh i Lovozerskikh tundrach. (In: Khibinskie apatity 1933. T. 5, p. 148-53, tables) *Title tr.:* Eudialyte as a zirconium ore in Khibina and Lovozero Tundras.

Contains data on prospecting the region for minerals of eudialyte-eucolite type in 1925-32, the considerable occurrences especially in Lovozero rocks; chemical analyses of the minerals. Need for better methods for obtaining chemically pure zirconium oxide from these minerals.

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9178. KOSTYLEVA, E. E. Mineraly Nizhnei Tunguzki iz kollektzii. A. Chekanovskago. (Akademiya nauk SSSR. Bulletin, sept., 1916. Sér. 6, t. 10, p. 1069-82, sketch map) *Title tr.:* Minerals of the Nizhnaya Tunguska from the collection of A. Chekanovskii.

Notes on the zeolites and the prehnites, by localities, brought back by Chekanovskii in 1873, from the lower Tunguska River region of Krasnoyarskiy Kray.

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9179. KOSTYLEVA, E. E. Otchet o rabote lovozerskogo otriada. (In: Khibinskie apatity, 1932. T. 2, p. 371-74, map) *Title tr.:* Account of the work of the Lovozero survey party.

On prospecting the Sengischorr cirque in the western section of Lovozero Tundra for eudialyte by the survey party of the Kola Expedition in 1930.

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9180. KOSTYLEVA, E. E. Pektolit Khibinskikh tundr. (Akademiya nauk SSSR. Bulletin, mai-juin, 1925. Sér. 6, t. 19, p. 383-404, tables, diagrs.) *Title tr.:* Pectolite of the Khibina Tundras. Result of the Fersman Expedition of 1921-23.

Contains 1. Discussion of pectolite, its paragenesis, and its deposits in six localities of the Khibiny Mts. Notes on distribution of pectolite in the world. Comparison of chemical analyses, including those of four Kola Peninsula specimens.

2. Discussion and chemical analysis of yuksporite, a new mineral discovered by the expedition in the Yukspor massif of the Khibiny Mts. (1921). Bibliographical footnotes (about 30 items).

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9181. KOSTYLEVA, E. E. Ramzait iz Khibinskikh i Lovozerskikh tundr. (Akademiya nauk SSSR. Bulletin, mai-juin, 1925. Sér. 6, t. 19, p. 363-82, tables, diagrs.) *Title tr.:* Ramsayite from the Khibina and Lovozero Tundras.

Physical, crystallographic, and chemical analyses of mineral discovered in 1923 by the Ferman Expedition. Comparison with structure and chemical constitution of lorenzenite. Description of ramsayite deposits at nineteen sites in the Khibiny Mts. and the hills of the Lovozero area.

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9182. KOSTYLEVA, E. E., and E. BONSHTEDT. Predvaritel'nyi otchet mineralogicheskoi ekspeditsii na Khibinskii massiv Kol'skogo poluoostrova. Peterburg, 1921. 23 p., fold. map, table. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, vyp. 101. *Title tr.:* Preliminary report of the Mineralogical Expedition to the Khibina massif on Kola Peninsula.

Characteristics of minerals found in the western section of the Khibina massif in summer 1920; also description of a geological phenomenon (effect of ice crystals upon weathering of rocks) observed by the expedition.

Map (scale 1:100,000) shows the route and stations of the expedition and location of deposits. *Copy seen:* NN.

KOSTYLEVA, E. E., *see also* Fersman, A. E., & others. Opisanie mestorozhdenii Khibinskikh tundr. 1928.

KOTEL'NIKOV, V. I., *see* Afanas'ev, V. A., & V. I. Kotel'nikov. Pirrotinovyte mestorozhdeniia Khibinskikh tundr. 1940.

19183. KOTICK, O. F. Geology and problems of exploring for oil in northern Alaska. (American Association of Petroleum Geologists. Bulletin, Dec. 1949. v. 33, p. 2059)

Abstract of a paper read before the Association's Pacific Section meeting, Nov. 17-18, 1949, mentioning climatic difficulties, the stratigraphy and structural features of the north front of Brooks Mts., and methods of oil prospecting at U. S. Naval Petroleum Reserve no. 4.

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KOTIK, M. Z., *see* Georgievskaiä, L. M., & M. Z. Kotik. Oznoblenie legkikh. 1944.

19184. KOTILAINEN, MAUNO J. *Anoectangium compactum* Schwägr. Laatokan Karjalassa. (Societas pro fauna et flora fennica. Memoranda, 1934-35, pub. 1935. v. 11, p. 133-35) *Title tr.*: *Anoectangium compactum* Schwägr. Ladoga region Karelia.

Contains data on geographical distribution of *Anoectangium compactum*, a moss occurring in Finnish and Russian Lapland and also known from Greenland and Alaska, bibliography (10 items).

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19185. KOTILAINEN, MAUNO J. Ein beachtenswerter Moosfund, *Fontinalis dichelymoides* Lindb. mit Sporogonen. (Societas pro fauna et flora fennica. Memoranda, 1925-26, pub. 1927. v. 2, p. 38-39) *Title tr.*: A noteworthy moss *Fontinalis dichelymoides* Lindb., found with sporogonia.

Contains a report of finding in the Kemi River region (North Ostrobothnia) a very rare moss, *Fontinalis dichelymoides*, known previously only from four localities in Finland, one in Inari Lapland.

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19186. KOTILAINEN, MAUNO J. Beobachtungen über die Moosvegetation und Moosflora in NW-Enontekiö in Lappland, nebst einigen allgemeinen Erörterungen über die Ökologie der Hochgebirgspflanzen besonders der Moose. Helsingforsiae, 1924. 69 p. illus.

(Societas pro fauna et flora fennica. Acta, 1924-1929, pub. 1924. v. 55, no. 1)

Title tr.: Observations on moss vegetation and flora in northwestern Enontekis in Lapland, with some general data on ecology of high mountainous plants, particularly mosses.

Contains a brief physico-geographical survey of the region; an enumeration of one hundred seventy-seven species of moss, a geobotanical review of the Enontekis region with tabulated data on plant distribution in three natural regions; ecological study of the vegetation and biotic, edaphic and climatic factors influencing it; special attention is given to moss vegetation; bibliography (31 items).

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19187. KOTILAINEN, MAUNO J. Sammal löytöjä Enontekiön Lapista. (Societas pro fauna et flora fennica. Meddelanden, 1920-1921, pub. 1921. Häfte 47, p. 72-73) *Title tr.*: Mosses from Lapponia enontekiensis.

Contains notes on eighteen species of mosses from Kilpisjärvi region, Finnish Lapland, including seven species new to all Fennoscandia. Summary in German.

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19188. KOTILAINEN, MAUNO J. Einige Seltenheiten der Moosflora Fennoskandias. (Societas pro fauna et flora fennica. Memoranda, 1931-32, pub. 1933. v. 8, p. 237-41) *Title tr.*: Some novelties of the moss flora in Fennoscandia.

Contains critical notes on three species of mosses, *Pohlia erecta*, *Bryum globosum* and *Orthothecium intricatum*, collected, in 1927, by T. Lipmaa, in the Enontekis region of Finnish Lapland, all new to the bryological flora of Finland.

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19189. KOTSEBU, OTTO EVSTAFEVICH, 1787-1846. Entdeckungs-Reise in die Süd-See und nach der Beringstrasse zur Erforschung einer nordöstlichen Durchfahrt. Unternommen in den Jahren 1815, 1816, 1817 und 1818, auf Kosten sr. Erlaucht des . . . Grafen Rumanzoff auf dem Schiffe Rurick unter dem Befehle des Lieutenants der russisch-kaiserlichen Marine Otto von Kotzebue . . . Weimar, Gebrüder Hoffmann, 1821. 3 v.: [4], 168 p.; 176 p.; [2], 241, [6], xviii p. col. plates, maps, tables. *Title tr.*: Voyage of discovery in the South Sea and to Bering Strait,

to explore for a northeast passage. Undertaken in the years 1815, 1816, 1817 and 1818, at the expense of his Highness Count Rumanzoff on the ship *Rurik*, under command of Lieutenant of the Imperial Russian Navy Otto von Kotzebue.

German translation of the author's *Puteshestvie v Iuzhnyi okean i v Beringov proliv*, 1821-23, q.v.

Copy seen: DLC; MH; PPAN.

9190. KOTSEBU, OTTO EVSTAF'E-VICH, 1787-1846. Entdeckungsreise in die Südsee und nach der Bering-Strasse zur Erforschung einer nordöstlichen Durchfahrt. Unternommen in den Jahren 1815, 1816, 1817 und 1818 auf Kosten sr. Erlaucht des . . . Grafen Rumanzoff auf dem Schiffe *Rurik* unter dem Befehle des Lieutenants der russisch-kaiserlichen Marine Otto von Kotzebue . . . Wien, Kaufuss & Krammer, 1825. 3 v.: 252; 255; 320 p. 20 plates, 6 fold. maps, tables (part fold.)
Title tr.: Voyage of discovery in the South Sea and to Bering Strait, to explore for a northeast passage. Undertaken in the years 1815, 1816, 1817, and 1818, at the expense of his Highness Count Rumanzoff, on the ship *Rurik*, under command of Lieutenant of the Imperial Russian Navy Otto von Kotzebue.

German translation of the author's *Puteshestvie v Iuzhnyi okean i v Beringov proliv*, 1821-23, q.v.

Copy seen: DLC.

9191. KOTSEBU, OTTO EVSTAF'E-VICH, 1787-1846. A new voyage round the world, in the years 1823, 24, 25, and 26. London, Henry Colburn and Richard Bentley, 1830. 2 v.: 341; 362 p. plates, maps.

English enlarged version of the author's *Puteshestvie vokrug svieta*, 1823-26, 1828, q.v., with the addition of an appendix "Review of the zoological collection of Fr. Eschscholtz, professor at the University of Dorpat". Sections on Kamchatka and New Archangel (Sitka) appear in v. 2, p. 1-67.

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9192. KOTSEBU, OTTO EVSTAF'E-VICH, 1787-1846. Puteshestvie v Iuzhnyi okean i v Beringov proliv dlia otiskaniia siyvero-vostochnago morskago prokhoda, predpriiatoe v 1815, 1817 i 1818 godakh izhdiveniem Ego Shiatel'-

stva Grafa Nikolaia Petrovicha Rumiantsova na korabli Riurikiie pod nachal'stvom flota leitenanta Kotsebu. Sanktpeterburg, v tip. Nik. Grecha, 1821-23. 3 v.: clxxxii, 168 p.; 346 p.; 436 p.; plates (part col., part fold.), tables. Also atlas volume: 1 l., 21 maps.

Title tr.: Voyage to the Southern Ocean and Bering Straits for the purpose of finding the Northeast Passage, undertaken in the years 1815-1818, at the expense of the Count N. P. Rumiantsev on the ship *Riurik* under the command of Lieutenant of the Navy Kotzebue.

Account of the Russian round-the-world expedition on the *Riurik*, from Kronstadt round Cape Horn to Kamchatka and Bering Strait, and, after its failure to find a northern passage from Pacific to Atlantic Ocean, the return via Cape of Good Hope to St. Petersburg under the leadership of Kotzebue, with Adelbert Chamisso as naturalist, J. F. Eschscholtz as physician, and others.

Contents include a survey of expeditions aiming to find a short way from the Atlantic Ocean to Pacific Ocean, by Ivan Fedorovich Kruzenshtern, v. 1, p. xxxiii-cxxi.

Kotzebue's narrative includes account of his voyage in 1816 from Kamchatka to St. Lawrence Island, Cape Prince of Wales, the search for the northern passage, discovery of Kotzebue Bay, Krusenstern Promontory, Krusenstern Island (now Little Diomedé), and Gvozdev Island (now Diomedé); description of the regions discovered, the Aleuts, Chukchis and Eskimos, v. 1, p. 85-164.

Account by Kotzebue of his voyage in 1817 to Unalaska and Pribilof Islands (St. Paul and St. George), description of the islands; the story of the appearance of a volcanic island near Umnak in 1796; remarks of Aleuts, sea lions, fur seals, v. 2, p. 213-33.

Description by the naturalist, Adelbert von Chamisso, of Kamchatka, Bering Strait, Chukotsk Peninsula, Unalaska and Pribilof Islands, their flora and fauna, inhabitants, Chukchis, Aleuts, Kamchadals v. 3, p. 319-68.

Notes on minerals found on Unalaska and on the shores of Bering Strait, v. 3, p. 388-400.

Atlas includes maps (no. 1) the world, showing northern shores of Europe, Asia and America and route

of Kruzenshtern's voyage on the *Nadezhda* 1803-1806; (no. 7) Bering Strait region showing Kotšebu's route 1816-1817; (no. 8, double fold.) north-west Alaska from Cape Prince of Wales to Kotzebue Sound, (no. 9, double fold.) region of Fox Islands—Lavrentiya Guba—Eschscholtz Bay; (no. 10) plan of Captains Bay, Unalaska Island.

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9193. KOTŠEBU, OTTO EVSTAF'E-VICH, 1787-1846. *Puteshestvie vokrug sviata, sovershennoe po povelëniû Gosudarîa Imperatora Aleksandra Pervago, na voennom shliûpië Predpriiutii*, v. 1823, 24, 25 i 26 godakh, pod nachal'stvom Flota kapitan-leitenenta Kotšebu. Sanktpeterburg, v. morskoi tip., 1828 goda. 3 p. l., 200 [1] p., 4 fold. maps. **Title tr.:** A voyage round the world performed under the order of the Emperor Alexander the First on the war-sloop *Predpriiutie* in 1823-1826 under command of Lieutenant-Commander of the Navy Kotšebu.

Narrative of the voyage for the Russian American Co., on the *Predpriiutie*, 1823-26, from Kronstadt around Cape Horn to Kamchatka and Alaska (Fort New Archangel, now Sitka on Baranof Island) and return by Cape of Good Hope to Kronstadt. Includes a general description of Kamchatka and (in more detail) customs of the inhabitants; and an account of a five-month sojourn among the "Kalushes" (Tlingits) of Baranof Island.

Maps include: Fort New Archangel (scale approx. 1:7,000).

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9194. KOTŠEBU, OTTO EVSTAF'E-VICH, 1787-1846. *Puteshestviâ vokrug sveta*. Izdanie vtoroe. Moskva, Gos. Izd-vo Geogr. lit-ry, 1948. 332 p., illus., port., 3 sketch maps. **Title tr.:** Voyages around the world. Second edition.

Abridged edition, partly rewritten, of the author's two narratives of his voyages of 1815-18, and 1823-26 respectively; with an introductory survey (p. 5-27) of Kotšebu's achievements and biographical notes by G. Ianikov.

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9195. KOTŠEBU, OTTO EVSTAF'E-VICH, 1787-1846. A voyage of discovery, into the South Sea and Beering's Straits, for the purpose of exploring a North-East Passage, undertaken in the

years 1815-1818, at the expense of His Highness Count Romanzoff, in the ship *Rurick*, under the command of the Lieutenant in the Russian Imperial Navy, Otto von Kotzebue. London, Longman, Hurst, Rees, Orme, and Brown, 1821. 3 v.: xvi, 358; 433; 442 p. col. fronts. (incl. 2 port.) 6 plates (5 col.) 7 maps (4 fold.) Translation of the author's *Puteshestvie v Iuzhnyi okean i v Beeringov proliv*, 1821, q.v., with the addition of col. plates and maps (not of arctic regions), lacking in the Russian original.

Kotšebu's account of his Kamchatkan and Alaskan experiences appear in v. 1, p. 133-274, v. 2, p. 162-77; and Chamisso's remarks on Kamchatka, Aleutian Islands, etc., in v. 3, p. 261-318. Eschscholtz's chronicle of diseases of the crew throughout the expedition (v. 2, p. 315-47) includes brief references to northern regions.

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9196. KOTVICH, VI. *Materialy dliâ izucheniâ tungusskikh narechii*. (Zhivâia starina, 1909. v. 18, vyp. 2-3, p. 206-18) **Title tr.:** Materials for the study of Tungus dialects.

Contains a brief survey of the work done in the study of the Tungusic languages in the past, with a bibliography, placing special emphasis on the dialect of the Sungary Goldi (a group of the southern Tungus). Five examples of texts with Russian translation are given.

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9197. KOVALEV, K. V. *Migratsiî i promysel belukhi v Eniseiskom i Pânskomo zalivakh*. (Lennigrad. Vsesoûznyî arkticheskii institut. Trudy, 1938. T. 123, p. 71-111, illus. (incl. map), tables) **Title tr.:** Migration of the white whale, and the white whale fishery in Yenisey and Pyasina Bays.

A description of whaling practices in these arms of Kara Sea, and suggestions for their further improvements, with bibliography, p. 98-99.

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9198. KOVALEVSKII, P. V. *shkolë-rûrte*. (Sovetskii Sever, 1934, no. 2, p. 103-107) **Title tr.:** A nomad tent school. Experience of a school teacher in the first Koryak school on Taygonos Peninsula (61°30'N. 161°E.).

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9199. KOVNER, S. S. K matematicheskoj teorii promerzaniia. (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologiia i poleznye iskopaemye severa SSSR. Trudy, 1936. T. 3, Vechnaia merzlota, p. 34-41, diagr.) **Title tr.:** Concerning the mathematical theory of freezing.

Discussion of the theory of freezing, and detailed exposition of the method suggested by L. S. Leibenson in application to the freezing of water pipes, with mathematical formulas added.

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9200. KOVTUN, A. G. Astronomicheskie opredeleniia v raione Chaunskoi guby. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 112, p. 185-205, illus., tables, diagrs.) **Title tr.:** Astronomical determinations in the region of Chaun Bay.

A description of the geodetic work of the Chaun Bay Expedition, 1934-35, in northern Kamchatka province, with list of points of determination, and a map, 1:500,000, at the end of volume.

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9201. KOVTUN, A. G. Kartograficheskie obsledovaniia raiona Chaunskoi guby. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1938. T. 112, p. 207-215) **Title tr.:** Cartographic study in the region of Chaun Bay.

A description of the mapping and mapping methods of the Chaun Bay Expedition, 1934-35, with two maps, 1:500,000, at end of the volume.

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9202. KOWARZIK, RUDOLF. Der Moschusochs und seine Rassen . . . Mit einem Anhang: Moschusochsen in der Gefangenschaft. (In: Fauna arctica, 1910. Bd. 5, p. 87-126, illus., plate, tables) **Title tr.:** The musk ox and its races. With an appendix: musk oxen in captivity.

Detailed discussion of the anatomical variations of four races of musk oxen, with tables of skull measurements, and some remarks on the difficulties of acclimatization shown by the few specimens in zoos.

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9203. KOZHANCHIKOV, I. V. Die verbreitung der arktischen Agrotinen und die genetische Untersuchung dieser Fauna. (Zoologischer Anzeiger, Nov. 1934. Bd. 108, p. 113-18) **Title tr.:** The

distribution of arctic Agrotineae and a study of their genetics.

Contains discussion of four genera of moths with circumpolar distribution: *Graphiphora*, *Spoclotis*, *Agrotis*, and *Caradrina*.

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9204. KOZHEVNIKOV, M. Ia. Chukotskaia ekspeditsiia 1909-1910 gg. (Akademiia nauk SSSR. Polarnaia komissii. Trudy, 1935. Vyp. 18 (15 p.) and Prilozhenie k No. 18: Al'bom ilustratsii i kart (17 plates (incl. 1 fold.) 27 maps) **Title tr.:** Chukotsk Expedition, 1909-1910.

A hitherto unpublished description of the routes of this three-man expedition along the coast of the Chukotsk Peninsula (under the leadership of I. P. Tolmachoff) with a separate supplement consisting of forty-six photographs and a map of the expedition's route in twenty-seven sections.

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9205. KOZHEVNIKOV, M. Ia. Priemy marshrutnoi s'emki i usloviia rabot v raione poberezh'ia Siëvernago Ledovitogo okeana. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1912. T. 48, p. 343-55, illus.) **Title tr.:** Methods of surveying routes and conditions of work in the coastal regions of the Arctic Ocean.

Account by the topographer of the Khatanga Expedition (1905) which explored the basins of the Khatanga and the Anabar, and the Expedition for the exploration of the coast from the mouth of the Kolyma to Bering Strait (1909) with information on instruments used.

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9206. KOZHIN, N. I. Promyslovyie ryby Sibiri i perspektivy ikh ispol'zovaniia. Moskva, Pishchepromizdat, 1946. 78 [2] p. illus. **Title tr.:** Commercial fishes of Siberia and possibilities of their utilization.

Issued under auspices of the Scientific Research Institute of the Salt-water Fishing Industry and Oceanography of Moscow. (Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii).

Contains (p. 2-9) a short description of the main rivers and lakes of Siberia (Ob', Yenisey, Lena, Baykal and others), also (p. 10-12) a general survey of the ichthyofauna; followed (p. 13-67) by descriptions of main species of fishes in Siberia and their

evaluation from the standpoint of fishing industry. Bibliography (over 200 items). **Copy seen:** DLC.

KOZHIN, N. I., *see also* Berg, L. S., & others. Promyslovye ryby SSSR. 1949.

KOZ'TAKOV, N., *see* Tiürdenev, A., & N. Koz'takov. Sel'skoe khoz'iaistvo Kraïnego Severa v 1933 g. 1934.

9207. KOZLOV, M. P. K voprosu o tumanakh na ostrove Belom (po nablüdeniäm 1933-1935 gg.) (Problemy Arktiki, 1937, no. 2, p. 43-51, tables) **Title tr.:** Fogs on White Island (from observations in 1933-1935). **Copy seen:** DLC.

9208. KOZLOV, M. P. Materialy po klimatologii. Vyp. 7: Tumany vdol' trassy Severnogo morskogo puti. Leningrad, Izd-vo Glavsevmorputi, 1937. 85, [1] p. map, tables, diagrs. (Leningrad. Vsesoiúznýi arkticheskiï institut. Trudy, 1937. T. 109) Under editorship of Prof. G. I. A. Vangengeim. **Title tr.:** Materials for the climatology of the polar regions of the U.S.S.R. Part 7; The fogs along the Northern Sea Route.

A study of the frequency, intensity and duration of fogs based on observations by a number of polar stations, with a map showing their locations. Summary in English.

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9209. KOZLOV, M. P. Nekotorye zamechaniä o rabotakh gigrografa i termografa v poliärnykh usloviäkh. (Problemy Arktiki, 1939, no. 10-11, p. 143-46, illus.) **Title tr.:** Some observations concerning the work of hydrographs and termographs in arctic conditions.

The author proposes changes in construction and design of hygrographs to overcome such difficulties as accumulation of snow in shelters.

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9210. KOZLOV, M. P. Ob izmerenii zimnikh osadkov na poliärnykh stantsiäkh. (Problemy Arktiki, 1937, no. 2, p. 53-59) **Title tr.:** On the measurement of winter precipitation at polar stations.

In order to overcome the difficulty of loss or failure of catching falling snow in a rain gauge, the snow survey method of measurements are proposed. Parallel observations (using both methods) have indicated great losses

of catch in ordinary rain gauge. Summary in English. **Copy seen:** DLC.

9211. KOZLOV, N. Burovye vyohki na saniakh. (Sovetskaiä Arktika, 1940, no. 5, p. 64-69, illus.) **Title tr.:** Derricks on sledges.

Portable derricks on sledges were constructed during the expedition in Ugol'naya Bay region of Kamchatka, 1938-39. The use of such derricks for geological investigations and in coal mines was considered efficient.

Copy seen: DLC.

KOZLOVA, N. S., *see* Pavlov, N. V. Materialy k flore Penzhinskogo raiona. 1939.

9212. KOZ'MIN, N. N. K voprosu o proiskhozhdenii iakutov-sakhalar. (Vsesoiúznoe geograficheskoe obshchestvo, Vostochno-Sibirskii otdel. (Iakutskaiä sektsiä. Ocherki po izucheniiu iakutskogo kraia, Irkutsk, 1928. Vyp. 2, p. 5-22) **Title tr.:** Contributions to the question of the origin of the Sakhalar Yakuts.

Contains a discussion of the origin of the Yakuts based on linguistic, folkloristic and historical evidence.

Copy seen: NN.

9213. KOZO-POLIÄNSKII, BORIS MIKHAILOVICH, 1890- . Ischislenie russkikh vidov *Bupleurum* L. (Leningrad. Glavnyi botanicheskii sad. Trudy, 1915. T. 30, vyp. 2, p. 135-333, plates 1-14) **Title tr.:** A compendium of Russian species of *Bupleurum* L.

Contains a critical revision of twenty-five species of herbaceous genus *Bupleurum*, with keys, synonymy, Latin descriptions, notes on the history of development and detailed data on geographical distribution in the U.S.S.R. including *B. triradiatum* from Kamchatka Peninsula.

Copy seen: MH-A.

9214. KOZO-POLIÄNSKII, BORIS MIKHAILOVICH, 1890- . O maloizvestnykh vidakh iz semeïstva zontichnykh. (Russkii botanicheskii zhurnal, 1913. No. 1-2, p. 1-10, plates 1-5) **Title tr.:** On some little known species of the family Umbelliferae.

Contains Latin diagnoses of five species of the carrot family (*Umbelliferae*), including *Bupleurum americanum*, occurring in Alaska.

Copy seen: MH-A.

9215. KOZO-POLJANSKII, BORIS MIKHAILOVICH, 1890-. *Zamětka o Sjevero-Amerikanskom Bupleurum purpureum* Blankinsh. (Leningrad. Glavnij botanicheskij sad. Izvestija, 1915. T. 15, vyp. 3-4, p. 362-65) *Title tr.*: A note on *Bupleurum purpureum* Blankinsh of North America.

Contains a taxonomic discussion reducing *Bupleurum purpureum*, a species of the carrot family occurring in Alaska, to a variety of *P. triradiatum*. Summary in French.

Copy seen: MH-A.

9216. KRABBE, THOMAS NEERGAARD, 1861-1936. De grønlandske Jagtfalke. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1934. Bd. 98, p. 49-108, 4 plates) *Title tr.*: The Greenland gyrfalcon.

Detailed discussion of twenty different variations of the three subspecies of *Falco rusticolus* found in Greenland.

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9217. KRABBE, THOMAS NEERGAARD, 1861-1936. Gustav Meldorf. (Grønlandske selskab. Aarskrift, 1912. p. 1-4, port.) *Title tr.*: Gustav Meldorf. Eulogy of Dr. Gustav Axel Nielsen Meldorf, medical officer in Julianehaab District, 1897-1903, his work there, publications on Greenland health problems, etc.

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9218. KRABBE, THOMAS NEERGAARD, 1861-1936. Om de grønlandske ederfugle, med særligt henblik paa deres aftagen og økonomiske betydning. (Dansk ornithologisk forening, nov-maj 1906-07. Aarg. 1, p. 98-112, tables) *Title tr.*: On the Greenland eider ducks, especially in regard to their decrease and economic importance.

An account of Eskimo uses, and of the export trade in eider down, with statistics, 1862-1905.

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9219. KRABBE, THOMAS NEERGAARD, 1861-1936. Om de grønlandske ederfugle, med særligt henblik paa deres aftagen og økonomiske betydning. (Grønlandske selskab. Aarskrift, 1907. p. 1-20, tables) *Title tr.*: The Greenland eider ducks, with particular reference to their decrease and economic importance.

Discusses decrease in numbers, breeding grounds, habits, migratory and seasonal routes; hunting methods;

products: down, eggs, feathers, skin, meat; statistics on eider down exports 1838-98, and eider down trade in Greenland, 1862-1905; recommends conservation.

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9220. KRABBE, THOMAS NEERGAARD, 1861-1936. Oversigt over det grønlandske laegevaesens historie, m. m. (Grønlandske selskab. Aarskrift, 1909. p. 45-96, diagrs.) *Title tr.*: Survey of the history of the medical service in Greenland, etc.

Discusses health conditions, diseases, accidents and epidemics from 1721 to approximately 1909; notes changes, improvements, advances; clinics, hospitals, nursing service, routine inspections, salaries, etc.; surgeons and physicians of the past; medical districts. Contains recommendations; roster of physicians in West and southern Greenland from 1722 (with biographical notes); visiting physicians; nurses; veterinarians; and lists source material.

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9221. KRABBE, THOMAS NEERGAARD, 1861-1936. To formodede bastarder mellem de to grønlandske ederfuglearter. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1925. Bd. 80, p. 543-55, 3 plates) *Title tr.*: Two supposed hybrids of the two species of Greenland eider ducks.

Discussion, with detailed descriptions, of two eider ducks collected near Holsteinsborg and Godthaab in West Greenland, apparently hybrids; also discussion of literature mentioning hybrid ducks in Greenland.

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9222. KRABBE, THOMAS NEERGAARD, 1861-1936, and C. W. SCHULTZ-LORENTZEN. Uenigheden angaaende grønlaendernes fremtid. (Grønlandske selskab. Aarskrift, 1910-11. p. 1-55) *Title tr.*: The controversy over the future of the Greenlanders.

Controversial exchange between a physician and a clergyman on the failure of sealing as a means of livelihood for the Eskimos, its various causes; administration of trade, whaling, religion, education, etc.

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KRABBE, THOMAS NEERGAARD, 1861-1936, see also Van Patten, N. Printing in Greenland; Greenland imprints. 1939.

9223. KRÄNZLIN, FRIEDRICH WILHELM LUDWIG. Orchidaceae Sibiriae. (Russkii botanicheskii zhurnal, 1913, no. 3-4, p. 29-60)

Contains a monographic treatment of forty-nine species of orchids of Siberia with keys, Latin descriptions, critical notes and data on distribution, including at least seven species from the Kamchatka Peninsula, and some others native to arctic Siberia.

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9224. KRAUSEL, RICHARD, 1890-. Untergangene Wälder der Arktis. (Natur und Volk, Juni 1939. Bd. 69, p. 290-91, illus.) *Title tr.:* Extinct forests of the Arctic.

Note on evidence of climatic change found in the Tertiary floras of Greenland and Eurasian arctic regions.

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KRAEVSKII, I. M., *see* Boitsov, L. V., & others. Pushnoe khozaistvo Kraïnego Severa. 1941.

KRAGEL'SKII, I. V., *see* Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Aerodromno-dorozhnaia komissia. Fiziko-mekhanicheskie svoïstva snega. 1945.

KRAGH, J., *see* Ostergaard, C. C., & others. Observationes meteorologicae 1832-54, Grönland. 1856.

9225. KRAINII SEVER k 1934 g. Sbornik materialov po khozaistvu nomu i kul'turnomu stroitel'stvu. Moskva, Izd-vo Vlast' Sovetov pri prezidiume VTSIK, 1934. 175 p. *Title tr.:* The far North to 1934. Collection of materials dealing with economic and cultural development.

Contents tr.: ORLOVSKII, P., and M. KHODOS. Territory, soviets and population of the far North of U.S.S.R.

KONONOV, I. Control figures of the far North in 1934.

KUL'TURNOE STROITEL'STVO NA KRAÏNEM SEVERE. Cultural development in the far North.

TIURDENEV, A., and N. KOZ'IAKOV. Agriculture in the far North in 1933 and prospects for 1934.

NAUMOV, N. P. Fur trade and

hunting in the North in the second five-year period.

ORLOVSKII, P. Fishing economy of the far North.

INTEGRAL'KOOPERATSIIA ORG-STROITEL'STVO. General cooperation and new organization.

MIKHALEV, A. The trading system of the far North.

KLIMUSHEV, I. A. Industrial output of the far North.

MIKHALEV, A. Survey of main communications and conditions of delivery of goods in the region of the far North.

Each paper appears in this Bibliography under its author's name.

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9226. KRAKAU, E. V. Issledovanie amplitudy sutochnogo khoda magnitnogo skloneniia v zavisimosti ot magnitnoi shiroti mesta. (Zhurnal geofiziki i meteorologii, 1925. T. 2, no. 1-2, p. 89-120, diagrs.) *Title tr.:* Investigation of the amplitude of the daily movement of the magnetic inclination in relation to magnetic latitude of the location.

The diurnal amplitude of the magnetic elements of about forty worldwide stations have been investigated including eight stations within the arctic regions having results based on observations taken during the First International Polar Year. Summary in French.

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9227. KRAMARENKO, G. A. Puteshestvie na Kamchatku i obsledovanie ei v rybolovnom otnoshenii v 1907 g. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1908. T. 44, p. 247-98, illus.) *Title tr.:* A journey to Kamchatka and an investigation of its fisheries in 1907.

Narrative of a summer trip around the peninsula from Petropavlovsk to Tigel' River by boat, then overland to Polana and across the isthmus to the settlement at Karaga on the east coast (about 59°N.), and by boat to Petropavlovsk via Uka, Ust'-Kamchatka, Bering Island (p. 282-84). Includes information on the salmon fisheries at Kambal'naya, Ozernaya, Bol'shaya, Vayampolka, and Polana Rivers on the west coast, Karaga and Uka Rivers on the east coast, with recommendation for the development of the industry, (p. 297-98).

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9228. KRAMARENKO, ZHORZH G. Kamchatka. Moe puteshestvie i moia okhota na medvedei i gornyykh baranov v 1918 g. Dnevnik 15-letniago shkol'nika. [Berlin, Izd-vo Ol'ga D'iakova i Ko, 191-?] xvi, 140 p. plates, port. **Title tr.:** Kamchatka. My journey and bear and mountain sheep hunting in 1918. Diary of a fifteen year old school-boy.

Diary of a Russian lad who made a summer trip to Kamchatka in 1918, with descriptions of Ust'-Kamchatka, Kamaki (Kamoka) and Kamchatka River, and conditions of life among Russian industrialists of Kamchatka. Includes stories of the young author's hunting and fishing experiences there.

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9229. KRAMER, PAUL, d. 1898. Grönländische Milben. (Zoologische Ergebnisse der von der Gesellschaft für Erdkunde zu Berlin . . . Grönlandexpedition, VI, *Pub.* as: Zoologica, 1897. Heft 20, p. 77-83, illus.) **Title tr.:** Greenland mites. (Zoological results of the Geographical Society of Berlin Greenland Expedition, VI)

Contains a list, with synonymy, localities, and notes, of six (including, with full descriptions, three new) species from Umanak District, two of which were marine forms.

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9230. KRAMER, PAUL, d. 1898, and C. J. NEUMANN. Acariden, während der Vega-Expedition eingesammelt. (In: Nordenskiöld, N. E. A. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 3, p. 521-29, 1 l. 12 plates) **Title tr.:** *Acarida* collected during the Vega Expedition.

List, with localities and descriptions of ten new species of mites, ticks, etc., collected in northern Siberia, the Seward Peninsula and Bering Island.

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9231. KRAMP, PAUL LASSENIUS, 1887- . Chaetognatha collected by the "Tjalfe" Expedition to the west coast of Greenland in 1908 and 1909. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1918. Bd. 69, p. 18-55)

Report on detailed study of the occurrence, distribution, and state of sexual maturity of five species of these worms, with a bibliography (27 items).

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9232. KRAMP, PAUL LASSENIUS, 1887- . Chaetognather. 1918. (In: Conspectus faunae groenlandicae 3. del, nr. 15. *Pub.* in Meddelelser om Grønland, 1928. 23. hefte, suppl., p. 17-34)

General remarks, and list, with synonymy, references to literature and localities, of five species of chaetognaths, annelid worms from waters off the east and west coasts of Greenland; bibliography, p. 33. **Copy seen:** DLC.

9233. KRAMP, PAUL LASSENIUS, 1887- . Coelenterata, Ctenophora and Chaetognatha. København, C. A. Reitzel, 1933. 20 p. illus. (incl. map). (Meddelelser om Grønland. Bd. 104, nr. 11)

Results of the Scoresby Sound Committee's 2nd East Greenland Expedition in 1932 to King Christian IX's Land.

This collection made between Cape Dalton and Angmagssalik, especially in Kangerdlugssuaq, is said to be too small to serve as a base for a general zoogeographic discussion. The author gives however an account of twenty-one coelenterate species, including description of a new hydroid *Corymorpha obvolvata* n. sp., one ctenophoran, and two chaetognath species.

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9234. KRAMP, PAUL LASSENIUS, 1887- . The Godthaab Expedition 1928. Alcyonaria, Antipatharia, and Madrepora. København, C. A. Reitzel, 1932. 20 p. sketch maps. (Meddelelser om Grønland. Bd. 79, nr. 4)

List, with synonymy, localities and remarks, of thirteen species of corals collected in the waters west of Greenland.

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9235. KRAMP, PAUL LASSENIUS, 1887- . The Godthaab Expedition, 1928. Chaetognatha, København, C. A. Reitzel, 1939. 40 p. incl. illus. (incl. maps) tables. (Meddelelser om Grønland. Bd. 80, nr. 5)

List, with synonymy, localities, occurrence and discussions, of five species of chaetognaths collected in the waters west of Greenland; with general remarks. Bibliography, p. 39-40.

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9236. KRAMP, PAUL LASSENIUS, 1887- . The Godthaab Expedition, 1928. Ctenophora. København, C. A. Reitzel, 1942. 18, 2 p., illus., 3 sketch maps. (Meddelelser om Grønland, Bd. 80, nr. 9)

List, with synonymy, distribution, vertical distribution, seasonal occurrence and remarks on specimens, of five (including one new) species collected in Davis Strait, Baffin Bay and Smith Sound; with zoogeographical remarks, tables and bibliography (21 items).

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9237. KRAMP, PAUL LASSENIUS, 1887-. The Godthaab Expedition 1928. Hydroids. København, C. A. Reitzel, 1932. 86 p. incl. illus., maps, tables. (Meddelelser om Grønland, Bd. 79, nr. 1)

List, with synonymy, locations and descriptions, of fifty-eight species of hydroids, chiefly collected by the *Godthaab* Expedition, 1928, in the waters west of Greenland; also discussion of distribution in deep-sea areas and littoral regions, list of the ninety-two species known to Greenland waters and list of stations. Bibliography, p. 83-86.

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9238. KRAMP, PAUL LASSENIUS, 1887-. The Godthaab Expedition, 1928. *Medusae*. København, C. A. Reitzel, 1942. 168 p. illus., maps, tables. (Meddelelser om Grønland. Bd. 81, nr. 1)

Systematic account of forty-nine species of jelly-fish, etc., collected in the waters west of Greenland by the *Godthaab* Expedition, 1928, and by Paul M. Hansen, 1930-1939; with remarks (p. 136-65) on conditions in those waters in relationship to occurrence and distribution of the species, also list (with map) of the collecting stations, and bibliography, p. 164-68.

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9239. KRAMP, PAUL LASSENIUS, 1887-. The Godthaab Expedition, 1928. Pelagic Tunicata. København, C. A. Reitzel, 1942. 8, [2] p. illus. (map) (Meddelelser om Grønland. Bd. 80, nr. 10)

List, with synonymy, localities, distribution and remarks on specimens, of three species of appendicularians collected in Baffin Bay, Davis Strait and Smith Sound; bibliography, p. 10.

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9240. KRAMP, PAUL LASSENIUS, 1887-. The Godthaab Expedition, 1928. Siphonophora. København, C. A. Reitzel, 1942. 24 p. illus. 3 sketch maps. (Meddelelser om Grønland. Bd. 80, nr. 8)

Contains systematic list, with synonymy and localities, of seven species of polyps (including one new, and five new to Greenland waters) collected by the *Godthaab* Expedition, 1928 and the *Dana*, 1925 in Baffin Bay, Davis Strait and Jones Sound; with zoogeographical remarks and bibliography (26 items).

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9241. KRAMP, PAUL LASSENIUS, 1887-. Hydroider. 1914. (In: *Conspetus faunae groenlandica*. 3. del, nr. 9. *Pub. in Meddelelser om Grønland*, 1917. 23. hefte, p. 951-1080)

Summary of earlier research, and list, with synonymy and localities, of eighty-eight species from the west and east coasts of Greenland; bibliography, p. 1074-80.

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9242. KRAMP, PAUL LASSENIUS, 1887-. Hydroids collected by the "Tjalfe" Expedition to the west coast of Greenland in 1908 and 1909. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1915. Bd. 66, p. 1-36)

Annotated list, with synonyms and localities, of forty-four species, a list of stations, and a bibliography (54 items).

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9243. KRAMP, PAUL LASSENIUS, 1887-. Hydroids collected in West-Greenland fjords in 1911 and 1912. København, C. A. Reitzel, 1932. 34 p., 1 l. incl. illus. (incl. maps) tables, fold. map. (Meddelelser om Grønland. Bd. 91, nr. 3)

Results of biological investigations of the "arctic" type fiord, Nordre Strømfjord (67°28'N.) by Dr. V. Nordmann, 1911, and of the "Atlantic" type fiords. Kvanefjord (near Frederikshaab 61°55'N.), Bredefjord (north of Julianehaab 60°45'N.) and Skoofjord (ten miles to the south), by K. Stephensen, 1912. A systematic account of forty-four (including one new) species; list of stations; discussion of distribution and zoogeographical character of the hydroids in the fiords investigated; bibliography (17 items).

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9244. KRAMP, PAUL LASSENIUS, 1887-. *Medusae*. Pt. I. *Leptomedusae*. Copenhagen, B. Luno, 1919. 2 p. l., 111 p. illus., 5 plates, 14 sketch charts. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 8)

Covers the geographical area of North Atlantic (north of 50°N.), Davis Strait, Denmark Strait, Greenland, Barents, and Kara Seas, and some European waters, based on collections of the *Ingolf* and several later expeditions and collectors. A classified list, with synonyms, references, descriptions, distribution, and locations, of twenty-eight (including one new) species of jelly-fish; with a bibliography (133 items).
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9245. KRAMP, PAUL LASSENUS, 1887- . Medusae. Part II. Anthomedusae. Copenhagen, B. Luno, 1926. 2 p. l., 102 p. illus., 2 plates, 18 sketch charts, table. (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 10)

Based on the collections of the cruiser *Ingolf* in Davis and Denmark Strait, Icelandic waters and Greenland Sea between Jan Mayen and Iceland. A list (with synonyms, references, descriptions, locations and distribution and some notes) of twenty-eight species of these coelenterates.

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9246. KRAMP, PAUL LASSENUS, 1887- . Medusae, part III. Trachylina and Scyphozoa, with zoogeographical remarks on all medusae of the northern Atlantic. Copenhagen, B. Luno, 1947. 66 p. illus. (incl. 17 sketch charts) 6 plates (1 col.) (Ingolf-expedition, 1895-1896. [Reports] v. 5, pt. 14)

Following the publication of the author's *Medusae, pt. II*, 1926 it was decided to limit subsequent published results of the Ingolf Expedition to deep-sea animals. Most of the species treated here are bathypelagic, the few neritic forms are only briefly mentioned.

Based on collections made by the *Ingolf* in 1895-96, and later expeditions in Baffin Bay, Davis and Denmark Straits, Greenland Sea and North Atlantic waters.

Classified list, with full discussion of morphology, classification, occurrence and distribution of twenty-six (including one new) species of jelly-fish; additions and correction to parts 1 and 2 (by same author); zoogeographical remarks on all medusae of the northern Atlantic and adjacent waters; and a bibliography (156 items).

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9247. KRAMP, PAUL LASSENUS, 1887- . Medusae collected by the "Tjalfe" Expedition. (Dansk naturhistorisk forening. Videnskabelige meddelelser, 1913. Bd. 65, p. 257-86)

The *Tjalfe* carried out fisheries investigations in Davis Strait, 1908-1909. The author gives a station list showing where medusae were caught, an annotated list, with synonyms, references, locations, and distribution, of twenty-two (including with description, one new) species of jelly-fish; with a bibliography (36 items).

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9248. KRAMP, PAUL LASSENUS, 1887- . Meduser og siphonophorer. (In: *Conspectus fauna groenlandicae*. 3. del, nr. 3, *Pub.* in Meddelelser om Grønland, 1914. 23. hefte, p. 381-456) *Title tr.:* Medusae and Siphonophora.

General discussion and annotated list, with synonymy, references to literature, localities, etc., of thirty-nine species; bibliography, p. 455-56.

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9249. KRAMP, PAUL LASSENUS, 1887- . Report on the hydroids collected by the *Danmark* Expedition at north-east Greenland. 1911. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 5, nr. 7. (Meddelelser om Grønland. Bd. 45, p. 339-96 incl. tables diagrs. plates XX-XXV)

Contains characterizations, and general list of the stations where species were collected, showing algal vegetation, and hard or soft bottom; discussion and tables of bathymetric distribution of species; discussion of stolonization; tables showing different supports on which each species was observed, and geographical (general arctic) distribution; and a taxonomic list, with locations, depths, distribution, and morphologic notes, of thirty-three (including with descriptions, three new) species of hydroids, from the waters of Dove Bay, and around Cape Bismarck, in East Greenland (ca. 76°45'N.)

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9250. KRAMP, PAUL LASSENUS, 1887- . The zoology of East Greenland. Hydroida. København, C. A. Reitzel, 1943. 52 p. illus. (incl. map) (Meddelelser om Grønland. Bd. 121, nr. 11)

Systematic synopsis of forty-eight species, giving synonyms, all East

Greenland records, geographic and bathymetric distribution, and some notes, with a bibliography: (39 items).

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9251. KRAMP, PAUL LASSENIUS, 1887- . The zoology of East Greenland. Medusae, Siphonophora, and Ctenophora. København, C. A. Reitzel, 1943. 20 p. illus. (map). (Meddelelser om Grønland. Bd. 121, nr. 12)

Systematic synopsis, with all East Greenland records, and distribution, of sixteen species (three ctenophores) and a bibliography (24 items).

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9252. KRANCK, ERNST HÅKAN, 1898- . Bedrock geology of the seaboard region of Newfoundland Labrador. St. John's, Nfld., 1939. viii, 44 p. incl. 4 plates, fold. map. diagrs. (Newfoundland. Geological Survey Bulletin no. 19)

Based on a reconnaissance from Belle Isle Strait to Hebron, June-Aug. 1937, during the Finland Labrador Expedition, under V. Tanner. Contains notes on physiography, discussion of paleozoic and Algonkian sediments, Archean sediments and gneisses, and the igneous rocks, a summary of stratigraphy and geologic history of the Labrador coast, a comparison with other areas and a note on minerals; with a bibliography (23 items).

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9253. KRANCK, ERNST HÅKAN, 1898- . Koordination der Grundgebirgsformationen von Labrador und Südgrönland. (In: Naturforschende Gesellschaft. Schaffhausen. Mitteilungen, 1940, pub. 1939. Bd. 16, its: Grönland, p. 213-16) *Title tr.:* Correlation of the primitive rock formations of Labrador and southern Greenland.

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9254. KRANCK, ERNST HÅKAN, 1898- . Med motor och hammare längs Labradorkusten. Helsingfors, Söderström & Co., 1940. 170 p. 16 plates, sketch map. *Title tr.:* With motor and hammer along the Labrador coast.

Account of the author's experience mainly during the Finnish Labrador Expedition, 1937, in the company of Prof. Tanner in localities northward from Belle Isle Strait to Hebron. Describes the party's travel, the Indians and Eskimos, Moravian mission works, etc. Includes some general discussion

of the geology and physical geography.

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9255. KRANCK, ERNST HÅKAN, 1898- . On the crystalline complex of Liverpool Land. København, C. A. Reitzel, 1935. 122 p. incl. illus. (incl. profiles) tables. 2 plates, 2 fold. maps) (Meddelelser om Grønland. Bd. 95, nr. 7)

Detailed analysis of rocks collected during the Danish Three-Year Expedition, 1931-1934, in various localities in Liverpool Land, East Greenland, and theoretical discussion of the petrography and structural geology of Liverpool Land; orogenic movements within each locality, the relation between rock textures and tectonic style, the tectonic development of Liverpool Land and the geological position of its crystalline complex; bibliography, p. 119-22.

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9256. KRANCK, ERNST HÅKAN, 1898- . On turjaite and the ijolite stem of Turja, Kola. Helsingfors 1928. 104 p. 13 illus. (incl. map), 4 plates. (Fennia, Hefte 51, no. 5)

Study of the occurrence, petrology, and genesis of basic igneous rocks of dikes and lenses in the southwestern part of Turij Peninsula (66°35'N. 34°30'E.) in the southwestern part of Kola Peninsula, with comparison with similar rocks of other countries. Principal emphasis is placed upon turjaite, with less detailed treatment of ijolitic rocks, lamprophyres, and dike rocks rich in carbonate. Bibliography, p. 100-102.

Sketch map shows distribution of some types of rock in the Turij Peninsula.

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9257. KRANCK, ERNST HÅKAN, 1898- . The rock-ground of the coast of Labrador and the connection between the Pre-Cambrian of Greenland and North-America. (Finland. Geologiska Kommission, Bulletin, 1939. No. 125, p. 65-86)

Based on observations made by the author on the Finnish Labrador Expedition, 1937, between the Strait of Belle Isle and Hebron, and on previously published literature. Description of the basal gneisses, the Pre-Cambrian and Eo-Cambrian sediments and of the igneous rocks; and some comparisons between Greenland and Labrador geology; with a bibliography.

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KRANTZ, EINAR, see Bernburg, I., & E. Krantz. Kortfattet beretning vedrørende 1903-07. 1908.

KRANZ, HEINRICH, see Peters, H. B., & others. Beitrag z. Somatologie angmagsalik-Eskimos. 1934.

KRANZ, HEINRICH, see also Peters, H. B., & others. Spuren d. nordöstlichen Eskimos Scoresby-Sund. 1934.

9258. **KRARUP-NIELSEN, AAGE**, editor. Jordens erobring; alle tiders store opdagelsesrejser, redigeret af Aage Krarup Nielsen, skrevet af dr. phil. Kaj Birket-Smith, dr. phil. Knud Rasmussen, magister Einar Storgaard, professor, dr. phil. P. Tuxen og redaktøren. København, C. Erichsen; [etc., etc.] 1930-32. 6 v. illus., plates (part col.) ports., maps (1 fold.) *Title tr.*: The conquest of the earth. The great explorations of all times. Edited by Aage Krarup Nielsen. Written by Kaj Birket-Smith, Ph.D.; Knud Rasmussen, Ph.D.; Einar Storgaard, M.A.; Professor P. Tuxen, Ph.D., and the editor.

Contents include (v. 5, p. 19-26, 309-330, 370-74) account of Vinland voyages, exploration of northwest and northern coasts of Canada.

v. 6. Polarforsknings saga (The saga of polar exploration) by Knud Rasmussen, 398 p., maps, and [9] p. index to v. 1-6. This contains a description of the voyages and discoveries of Erik the Red and the Norsemen; the re-discovery of Greenland; discovery of, and whaling at West Spitsbergen; other arctic explorations by Parry, Franklin, and others; the Northeast and Northwest Passages; the achievements of Nansen, Amundsen, Shackleton, Scott, Peary, Sverdrup etc.; exploration of Greenland, discovery of the North and South Poles; explorations by airplane, balloon, submarine, etc. A German version of v. 6. was published as Rasmussen's *Heldenbuch der Arktis*, 1933, q.v.

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9259. **KRASHENINNIKOV, IPPOLIT MIKHAILOVICH**, 1884-1947. Drevneangarskie i drevneberengijskie elementy roda *Artemisia* vo flore sovetskoi arktiki. (Sovetskaja botanika, 1943, no. 5, p. 3-22, illus., text maps) *Title tr.*: Ancient Angara and Beringia elements of the genus *Artemisia* of the flora of the Soviet Arctic.

Contains a geobotanical and phylogenetic study of eighteen species of sagebrushes (*Artemisia*), and their distribution in nine floristic regions of the Soviet Arctic with special attention given to the Angara-Beringia group of *Artemisia*, important for the understanding of phylogeny and distribution of this genus. *Copy seen:* MH-A.

9260. **KRASHENINNIKOV, IPPOLIT MIKHAILOVICH**, 1884-1947. Novye slozhnotsvetnye. (Akademiia nauk SSSR. Botanicheskii institut imeni V. L. Komarova. Botanicheskie materialy gerbariia, 1946. T. 9, vyp. 4-12, p. 152-84, illus.) *Title tr.*: New species of Compositae.

Contains critical notes on, and Latin diagnoses of, three new species of *Artemisia*: from (1) De Long Island (New Siberian Islands); (2) the basin of Olenek and Kolyma Rivers, and (3) Commander Islands.

Copy seen: MH-A.

9261. **KRASHENINNIKOV, IPPOLIT MIKHAILOVICH**, 1884-1947, and M. M. IL'IN. *Aster (Rhinaetina) novopokrovskii*. (Leningrad. Glavnyi botanicheskii sad. RSFSR. Botanicheskie materialy gerbariia, 1924. T. 5, vyp. 11-12, p. 172-73)

Contains Latin diagnosis of this new species of aster, native to Khatanga River basin. *Copy seen:* MH-A.

9262. **KRASHENINNIKOV, STEPAN PETROVICH**, 1713-1755. Aardrykskundige en natuurlyke beschryving van Kantschatka, en de Kurilsche eilanden, met een gedeelte der kust van Amerika. Op Rus-keizerlyk bevel, te Petersburg, in de Russische taal uitg. Vervolgens in het Engelsch en Hoogduitsch, en nu in het Nederduitsch vertaald. Amsterdam, J. W. Willemsz, 1770. 3 p. 1., iii-xiv, 384, [14] p. 3 fold. plates. *Title tr.*: Description of the geography and natural life of Kamchatka and the Kurile Islands, with a section on the coast of America . . . published in Russian at Petersburg by Russian Imperial command, then translated into English and German and now into Dutch.

Abridged translation into Dutch from the English and German versions of the author's *Opisanie zemli Kamchatki*, 1755, q.v. *Copy seen:* DLC.

9263. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. Histoire et description du Kamchatka. Amsterdam, M. M. Rey, 1770. 2 v: xvi, 439 p.; 492 p. 1 l., 6 fold. plates, fold. map (2 pt.) fold. tables.

Translation of the author's *Opisanie zemli Kamchatki*, 1755, q.v. This is a new translation from the original, with the text somewhat condensed but not seriously abridged as is the English translation. **Copy seen:** DLC.

9264. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. The history of Kamtschatka, and the Kurilski Islands, with the countries adjacent; illustrated with map and cuts. Published at Petersburg in the Russian language, by order of Her Imperial Majesty, and translated into English by James Grieve, M. D. Gloucester, Printed by R. Raikes; London, T. Jefferys, 1764. 4 p. l., vii [8]-280, [8] p. front., plates (part fold.) fold. map.

Greatly abridged translation of the author's *Opisanie zemli Kamchatki*, 1755, q.v. **Copy seen:** DLC.

9265. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. *Opisanie zemli Kamchatki*. Sanktpeterburg, Imper. Akademiiā nauk, 1755. 2 v.: 11 p. l., 438 p.; 319 p.; 13 plates (part fold.) 6 maps (3 fold.) **Title tr.:** A description of Kamchatka.

Second edition was reprinted without change in 1786 (copy in DGS). Third edition (2 v.: xxxvi, 493 p.; x, 486 p.) was published 1818-1819 (copy in CtY). Fourth edition, 1949, q.v., was published with extensive additions. Translations of the first edition (with abridgement) were published in the principal European languages.

The first reliable description of Kamchatka, based on observations of the author and his companions, especially Georg Steller, during the Russian expedition to the far North 1734-43, a part of Bering's Great Northern Expedition.

Contains, v. 1, pt. 1, detailed geographical description of Kamchatka, its position and limits, system of rivers and lakes, p. 3-103, also information (from other persons) on Kurile Islands, p. 103-139; description of communication routes and distances on Kamchatka, p. 139-48.

Pt. 2. Natural resources of Kamchatka, its soil, climate, snow cover, rains and fogs and agricultural possibilities,

p. 149-70; volcanoes, hot springs, p. 170-87; ores and minerals, p. 187-90; vegetation, especially edible, fibrous and medicinal herbs and shrubs, p. 191-209; wildlife of land and sea, p. 210-350; data on coastal tides, p. 350-99.

v. 2, pt. 3, gives a general survey of population, p. 1-7; Kamchadals, their origin, former conditions, dwellings, calendar, astronomy, laws, character, p. 9-25; populated places, p. 25-31; utensils, implements, boats and industry, p. 31-43; dress, p. 42-49; food and its preparation, p. 49-54; dog driving, sledges, p. 54-62; war, prisoners, weapons, p. 62-71; cosmogony and religion, shamans, holidays, rites, p. 71-102; festivals, games, songs, p. 103-120; marriage, p. 120-25; birth, names, education, p. 125-30; diseases, medicine and burials, p. 130-37; languages and dialects, vocabulary, p. 137-45. Koryaks, their tribes, physical and moral characteristics, dwellings, food, use of reindeer, religion, marriage, names, burial customs, languages, dialects, vocabulary, p. 145-79; Kurils (aborigines of Kurile Islands) p. 179-88.

Pt. 4, gives a history of Kamchatka, from the time of the Russian conquest, p. 189-236; description of the Russian populated places, strongholds (ostrog), living conditions of Cossacks, relations with aborigines, p. 236-65; routes from Yakutsk to Kamchatka, p. 265-94.

Fold. maps include Kamchatka Peninsula and Sea of Okhotsk, scale 1:1,200,000; and Kamchatka River, scale 1:170,000. Plates are engravings of geographic features, natural phenomena, and inhabitants, especially Kamchadals. **Copy seen:** DLC.

9266. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. *Opisanie zemli Kamchatki*. Moskva-Leningrad, Izd. Glavsevmorputi, 1949. 2 v. in 1: 840 p. illus., port., maps 1-24 (incl. 3 fold.) (Akademiiā nauk SSSR. Institut geografii. Geograficheskoe obshchestvo Sofuza SSR. Institut etnografii) **Title tr.:** A description of Kamchatka.

Fourth edition, edited by L. S. Berg, A. A. Grigor'ev and N. N. Stepanov, of the work first published in 1755, q.v.

This edition contains considerable new material: texts of 18th century mss. hitherto unpublished, and notes, etc., by modern specialists, including a biography of Krasheninnikov by N. N.

Stepanov, p. 13-83; text of mss. reports and letters with many valuable scientific data, p. 545-644, and a number of mss. which were only partly used in the original work, such as diaries of the author's travels in Kamchatka and Kurile Islands, p. 646-69; notes on game animals, p. 671-88; descriptions of the various races inhabiting Kamchatka and Kurile Islands, notes on the conquest of Kamchatka (two drafts), etc., p. 689-770; a supplement by A. V. Efimov on maps concerning great Russian discoveries in the 17th and first half of the 18th century, p. 771-97, representing a summary of the author's book published later; extensive footnotes throughout.

Copy seen: DLC; MH.

9267. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. *Opisanie zemli Kamchatki, v izlozhenii po podlinniku i pod red. N. V. Dumitrashko i L. G. Kamanina*. Moskva, Gos. izd-vo geogr. lit-ry, 1948. 292 p., plate, illus., 10 maps (3 fold.) *Title tr.:* A description of Kamchatka, ed. by N. V. Dumitrashko and L. G. Kaminin.

Abridged edition, with biographical introduction, of the author's *Opisanie zemli Kamchatki*, 1755, q.v.

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9268. KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755. *Opisanie zemli Kamtschatki sotschinennoj Stepanom Krascheninnikowym . . . d. i Beschreibung des Landes Kamtschatka verfasst von Stephan Krascheninnikow . . . II Theile 4. Petersburg bey der Academ. der Wissenschaften 1755 in einem Auszuge in englischer Sprache bekannt gemacht von Jacob Grieve . . . und mit Landkarten und Kupferbildern 1764 hrsg. von T. Jefferys . . . nun in das deutsch übersetzt und mit Anmerkungen erläutert von Johann Tobias Köhler . . . Lemgo, Meyerische Buchhandlung, 1766. xvi, 334 p. front., 5 plates (part fold.) fold. map. *Title tr.:* Description of Kamchatka by Stepan Krasheninnikov . . . published by the Academy of Sciences, St. Petersburg, 1755, made known in an extract in English by James Grieve and published with maps and copper engravings by T. Jefferys, 1764; now translated into German with remarks by Johan Tobias Köhler.*

This is a German translation from

the greatly abridged English translation of the Russian original, q.v.

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KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755, *see also* Berg, L. S. *Puteshestviia akademika S. P. Krasheninnikova*. 1948.

KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755, *see also* Dostovalov, B. N. *Elektricheskie kharakteristiki merzlykh porod*. 1947.

KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755, *see also* Sbornik statei, posviashchennykh S. P. Krasheninnikova. 1939.

9269. KRASIL'NIKOV, P. A. O sveto-tekhnicheskikh sredstvakh ogradzheniia na Severnom morskoi puti. (Severnyi morskoi put', 1939. No. 12, p. 25-44, diagrs.) *Title tr.:* On technical equipment of lighthouses as a means of protection on the Northern Sea Route, U.S.S.R.

A description of existing, and a discussion of the desired, system of light signals along the Northern Sea Route.

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9270. KRASINSKII, G. D. Puti Severa. (Severnye vozdukhnye ekspeditzii 1927 i 1928 gg. Ostrov Vrangeli i pervyi Lenskii reis). Moskva, Izd-vo OSOA-VIAKHIM. 1929. 159 p. illus. *Title tr.:* Routes to the North. (Northern aerial expeditions 1927-28; Wrangel Island and the first Lena trip).

Contains a résumé of the discovery of Wrangel Island, of Russian, British and Canadian claims, and Russian colonization of the island in 1926; account of the first voyage on the Vladivostok-Tiksi route by the *Kolyma* 1927, and the flight on which the author was pilot, from Tiksi (at the Lena delta) to Wrangel Island, then southwest to Irkutsk; discussion of the failure of his flight from Kamchatka along the north Siberian coast by the loss of the plane in Kolyuchin Bay, 1928.

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9271. KRASIUK, A. A., and G. N. OGNEV. Pochvy Lensko-Amginskogo vodorazdela (Iakutskii okrug). Leningrad, 1927. vii, 176 p., illus., 7 plates, 2 fold. maps, diagrs. (Akademiia nauk SSSR. Komissia po izucheniiu Iakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1927. Vyp. 6) *Title tr.:* The soils of the Lena-Amga watershed.

A report of a party of the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1924, containing a description of soils of the region, with chemical analyses and some information on typical flora prevailing in various sections. A map shows the route taken, and another map indicates soils along it. Summary in French.

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9272. KRASNORUTSKAIA, A. A. O sborakh R. R. Pole v Arkhangel'skoĭ i Vologodskoi g. g. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1929. T. 17, vyp. 2, p. 258-60) *Title tr.:* On plants collected by R. R. Pole in the Arkhangel'sk and Vologda provinces.

Contains a list of twenty-two rare or interesting plants collected by R. R. Pole in the Arkhangel'sk and Vologda provinces in 1905-1911, including a few arctic plants from the Northern Ural.

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9273. KRASNOV, A. I. Elektro-navigatsionnye pribory na sudakh Sevmoreputi. (Severnii morskoi put', 1936. No. 5, p. 105-115) *Title tr.:* The electro-navigation apparatus on the ships of the Main Administration of the Northern Sea Route.

A description of electric navigational instruments being introduced on the ships of the Northern Sea Route, U.S.S.R., their importance for mastering the difficulties of arctic navigation. Summary in English.

Copy seen: DLC.

9274. KRASNOV, A. I. Girokompasy na morskikh sudakh Glavsevmorputi. (Severnii morskoi put', 1939. No. 13, p. 18-29) *Title tr.:* Gyrocompasses on the ocean-going vessels of the Main Administration of the Northern Sea Route, U.S.S.R.

A discussion of experience with gyrocompasses on the Northern Sea Route, U.S.S.R.

Copy seen: DLC.

9275. KRASOVSKII, S. K. Biologicheskie osnovy promyslovogo ispol'zovaniia ptich'ikh bazarov; etudy po biologii tolstokl'uvoi kairy. (*Uria lomvia* L.) (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 77, p. 33-91, illus., tables, diagrs.) *Title tr.:* The biological basis for the economic exploitation of bird cliffs, essay on the biology of the guillemot (*Uria lomvia* L.).

Results of investigations made in 1933-34, by the ornithologist of the Scientific and Economic Expedition to Novaya Zemlya, 1931-34. Contains a report on the bird census and on details of nesting, eggs, survival and enemies of the guillemot, with recommendations for planned exploitation of the eggs produced and for improvement of the loomery site. Includes a bibliography (82 items).

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9276. KRASSKE, GEORG. Beiträge zur Kenntnis der Diatomeen-Vegetation von Island und Spitzbergen. (Archiv für Hydrobiologie, 1938. Bd. 33, p. 503-34, plate, 5 fold. tables) *Title tr.:* Contributions to knowledge of the diatoms of Iceland and Spitsbergen.

The investigations reported in Pt. 2 of this paper, were carried out on the fresh- and brackish-water pools in the tundra regions of Albert I Foreland, Andrée Land, Magdalena and Advent Bays, in northwestern West Spitsbergen.

Contents tr.: Pt. 1. Diatoms from the thermal waters of Iceland.

Pt. 2. Diatoms from Spitsbergen, collected by the Spitsbergen Expedition of German Students, 1936. (Notes on habitats and their associations of diatoms; annotated list, with localities, of thirty-four (remarkable or new) species; tabular indication of abundance by station and region, of nearly two hundred species and varieties). Bibliography (25 items). *Copy seen:* DLC.

9277. KRASTIN, E. F. Itogi i perspektivy. (Sovetskaiā Arktika, 1936, no. 1, p. 56-62, illus., fold. map) *Title tr.:* Summary and prospects.

Account of work of sea-going expeditions and aerial reconnaissances in the Soviet North in 1935. Map shows routes of ships along the Northern Sea Route in 1935.

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9278. KRASTIN, E. F. Severnyi morskoi put' v ekspluatatsii. (Sovetskaiā Arktika, 1935, no. 1, p. 20-23, illus., fold. map) *Title tr.:* The Northern Sea Route in operation.

Brief outline of the development of shipping on the route, 1921-35. Map shows routes of expeditions and of individual ships in 1935 and locations of polar stations. *Copy seen:* DLC.

9279. KRAUL. En sommertur for motorbaadenes tid. (Grønlandske selskab. Aarskrift, 1931-32. p. 23-38) *Title tr.*: A summer journey before the days of motorboats.

Describes the author's trip from Upernavik into Laxefjord (72°32'N., 55°24'W.) while he was colonial administrator at Upernavik.

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9280. KRAUS, GREGOR, 1841-1915. Einige Bemerkungen über Alter und Wachstumsverhältnisse ostgrönländischer Holzgewächse. (*In*: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 133-37) *Title tr.*: Some remarks on the age and conditions of growth of East Greenland woody plants.

Discussion and tables giving age, diameter of stems, and breadth of annual rings for willows, birches, etc., on Sabine Island and in the Franz Joseph Fiord region.

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9281. KRAUS, GREGOR, 1841-1915. Treibhölzer. (*In*: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 97-132) *Title tr.*: Driftwood.

Descriptions of the exterior, the cross-sections, and the classification of the twenty-five samples found on the East Greenland coast, and a discussion of their origin, with remarks on currents as a factor in their distribution.

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9282. KRAUS, GREGOR, 1841-1915. Ueber die Abstammung der auf der II. deutschen Nordpolexpedition gesammelten Treibhölzer. (Physikalisch-medizinische Societät, Erlangen. Sitzungsberichte, 1871-72, pub. 1872. Heft 4, p. 56-59) Reprinted with slight changes in text and a different title, in Petermanns geographische Mitteilungen, 1872. Bd. 18, p. 150-51. *Title tr.*: On the origin of the driftwood collected by the Second German North Polar Expedition.

Description of the collection from East Greenland and remarks on the significance of the occurrence of driftwood in connection with ocean currents and plant geography.

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KRAUS, MANFRED, *see* Wegener, E. ed. Alfred Wegeners letzte Grönlandfahrt. 1932.

9283. KRAUSE, ARTHUR, 1851-. Ein Beitrag zur Kenntnis der Mollusken-Fauna des Beringsmeeres. I. Brachiopoda et Lamellibranchiata. II. Gastropoda und Pteropoda. (Archiv für Naturgeschichte, 1885. Jahrg. 51, Bd. 1, p. 14-40, 256-302, 3 plates) *Title tr.*: Contribution to knowledge of the molluscs of Bering Sea. 1-2.

Based on collections of the Krause brothers' expedition to the Chukotsk Peninsula and Alaska in 1881, from bays along the eastern side of the Chukotsk Peninsula. An annotated list, with localities, of one species of brachiopod, forty (including with descriptions, two new) species of lamellibranchs, sixty-six (including with descriptions, six new) species of gastropods, and one pteropod species.

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9284. KRAUSE, ARTHUR, 1851-. Das Chilcat-Gebiet in Alaska. (Gesellschaft für Erdkunde zu Berlin. Zeitschrift, 1883. Bd. 18, p. 344-68, fold. map) *Title tr.*: The Chilkat territory in Alaska.

Contains a review of the history and topography, a description of the physical features, climatic conditions, flora and fauna and (in brief) of the inhabitants (a Tlingit tribe) of the region around the head of Lynn Canal; based on observations made by the author while on the Bremen Geographical Society Expedition, 1881-82.

Map (scale 1:500,000) of the Chilkat territory shows passes to the Yukon.

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9285. KRAUSE, ARTHUR, 1851-. Die Dörfer der Tlingit-Indianer. (Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte. Verhandlungen, 1883. p. 205-208) *Title tr.*: The villages of the Tlingit Indians.

Describes the village of the Tlingit Indians in regard to sites, functions, house types, and house groupings, etc.

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9286. KRAUSE, ARTHUR, 1851-. Die Expedition der Bremer geographischen Gesellschaft nach der Tschuktschen-Halbinsel und Alaska. 1881-1882.

(Reisebriefe des Dr. Arthur Krause). IV. (Deutsche geographische Blätter. 1882. Bd. 5, p. 308-325, 2 maps) *Title tr.*: The expedition of the Bremen Geographical Society to the Chukotsk Peninsula and Alaska, 1881-1882. Travel summary IV.

Narrative of explorations from the head on Lynn Canal up the Chilkoot and Deje Rivers to lakes east of the Yukon divide. Describes physical geography, especially vegetation, animal life, glaciers, lakes.

Maps: Sketch of routes from head of Lynn Canal to West and East Kusawa Lakes (Canada) via Chilkoot and Deje Rivers. *Copy seen*: DLC.

9287. KRAUSE, ARTHUR, 1851- . Katalog ethnologischer gegenstände aus dem Tschuktschenlande und dem südöstlichen Alaska. Gesammelt von den Gebrüdern Dr. Dr. Arthur und Aurel Krause in den Jahren 1881/82. Bremen, 1882. 16 p. (Deutsche geographische Blätter, 1882. Bd. 5, Heft. 4, Anlage) *Title tr.*: Catalog of ethnographic objects from Chukchi land and southeastern Alaska. Collected by the brothers Dr. Arthur and Dr. Aurel Krause in 1881-82.

Contains list of 183 objects and photograph groups from the Tlingits, and 112 objects from the Chukchis, including clothing, ornaments, implements of hunting, fishing and the household, etc.

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9288. KRAUSE, ARTHUR, 1851- . Nudibranchiaten von Tromsø. (Tromsø, Norway. Museum. Årshefter, 1895, pub. 1897. Bd. 18, p. 94-100) *Title tr.*: Nudibranchiata from Tromsø.

List, with localities and some descriptions, of seventeen species of shell-less molluscs from the Norwegian waters near Tromsø.

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9289. KRAUSE, ARTHUR, 1851- . Quartäre Ablagerungen an der Beringstrasse. (Gesellschaft naturforschender Freunde zu Berlin. Sitzungs-Berichte, 1884. p. 14-16) *Title tr.*: Quaternary deposits along Bering Strait.

Contains description of Quaternary deposits on St. Lawrence Bay. Lists seven species of fossil shells, and gives précis of mammoth tusks also found.

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KRAUSE, ARTHUR, 1851- , *see also* Krause, Aurel, & Arthur Krause. Cod & halibut fisheries, Shumagin Island, 1882.

KRAUSE, ARTHUR, 1851- , *see also* Krause, Aurel, & Arthur Krause. Expedition (Reisebriefe. I) 1882.

KRAUSE, ARTHUR, 1851- , *see also* Krause, Aurel, & Arthur Krause. Expedition (Reisebriefe. II) 1882.

KRAUSE, ARTHUR, 1851- , *see also* Krause, Aurel, & Arthur Krause. Expedition (Reisebriefe. III) 1882.

KRAUSE, ARTHUR, 1851- , *see also* Krause, Aurel, & Arthur Krause. Wissenschaftliche Expedition. 1881.

KRAUSE, ARTHUR, 1851- , *see also* Kurtz, F. Flora d. Chilcatgebietes. 1894.

KRAUSE, ARTHUR, 1851- , *see also* Kurtz, F. Flora d. Tschuktschenhalbinsel. 1894.

9290. KRAUSE, AUREL, 1848- . Die Bevölkerungsverhältnisse der Tschuktschenhalbinsel. (Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte. Verhandlungen, 1883. p. 224-27) *Title tr.*: The population relationships of the Chukotsk Peninsula.

Discusses, from observations and from historical sources, the relationships of the coastal people of the Chukotsk Peninsula with the Reindeer Chukchis and with the American Eskimos.

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9291. KRAUSE, AUREL, 1848- . Die Bremer Expedition nach der Tschuktschen-Halbinsel. (Globus. 1883. p. 107-10; 118-120) *Title tr.*: The Bremen expedition to the Chukotsk Peninsula.

Condensed narrative of the expedition.

Copy seen: DLC.

9292. KRAUSE, AUREL, 1848- . Einige Landschnecken von der Tschuktschen-Halbinsel und aus dem südöstlichen Alaska. (Gesellschaft naturforschender Freunde zu Berlin. Sitzungs-Berichte, 1883. p. 31-37) *Title tr.*: Some land snails from the Chukotsk Peninsula and southeastern Alaska.

Discusses twenty-three species collected by the Krause brothers, and describes one new variety.

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9293. KRAUSE, AUREL, 1848- . Die Tlinkit-Indianer. Ergebnisse einer Reise nach der Nordwestküste von Amerika und der Beringstrasse, ausgeführt im Auftrage der Bremer geographischen Gesellschaft in den Jahren 1880-1881 durch die Doctoren Arthur und Aurel Krause, geschildert von Dr. Aurel Krause. Jena, H. Costenoble, 1885. xvi, 420 p. illus., 4 plates, fold. map, tables. *Title tr.*: The Tlingit Indians, results of a trip to the northwest coast of America and Bering Strait, made by Dr. Arthur and Dr. Aurel Krause, in the years 1880-1881, under the auspices of the Geographical Society of Bremen, described by Dr. Aurel Krause.

Results of detailed studies in vicinity of Chilkoot, north end of Lynn Canal. Both brothers Krause spent three-and-a-half months there in winter of 1881-82. In spring, Arthur made pioneer scientific explorations of Chilkoot and Deje Rivers to Yukon basin headwaters. Aurel sailed through Chatham and Clarence Straits with brief stops en route.

Contains chapters on the journey, on the history of the northwest coast, the Tlingit territory (geography, climate, vegetation, wildlife); detailed description of Tlingit life and culture (settlements, dwellings, domestic life, fishing and hunting, trade and arts, birth, marriage and death customs, peace and war, myths, shamanism); remarks on neighboring tribes, also on missions and their efforts to civilize the Tlingits and on the language, with a Tlingit vocabulary of over a thousand words.

Appendix includes a guide to useful literature on the Tlingits and the region; p. 392-404.

Chapter 1, on the journey, includes, p. 10-13, a list of sixteen papers published on the expedition, and a list of fifteen papers, its scientific results. Most of these papers appear in this Bibliography under their respective authors' names. *Copied seen:* DLC.

9294. KRAUSE, AUREL, 1848- . Die Tlinkith. (Globus. 1883. Bd. 43, p. 221-23; 230-32) *Title tr.*: The Tlingits.

A summary description of the ethnology of the Tlingit Indians.

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9295. KRAUSE, AUREL, 1848- , and ARTHUR KRAUSE. Cod and halibut

fisheries near the Shumagin Islands. (U. S. Bureau of Fisheries. Bulletin, 1881, pub. 1882. v. 1, p. 259-60)

Translation of a section (Kalbjau und Heilbutfenfang bei den Schumagin Inseln, p. 267-69) of the authors' *Die Wissenschaftliche Expedition . . . Beringstrasse* 1881, q.v. *Copied seen:* DF.

9296. KRAUSE, AUREL, 1848- , and ARTHUR KRAUSE. Die Expedition der Bremer geogr. Gesellschaft nach der Tschuktschen-Halbinsel. Sommer 1881. (Reisebriefe der Gebr. Dr. Krause). I. (Deutsche geographische Blätter. 1882. Bd. 5, p. 1-35, illus., map) *Title tr.*: The expedition of the Bremen Geographical Society to the Chukotsk Peninsula. Summer 1881. Travel summary I.

Contents: Detailed description of the Chukchis and their environment at St. Lawrence Bay and East Cape.

Map: Authors' routes, southeast coast of Chukotsk Peninsula, scale 1:500,000. *Copied seen:* DLC.

9297. KRAUSE, AUREL, 1848- , and ARTHUR KRAUSE. Die Expedition der Bremer geographischen Gesellschaft nach der Tschuktschen-Halbinsel und Alaska. 1881-82. (Reisebriefe der Gebrüder Dr. Krause). II. (Deutsche geographische Blätter 1882. Bd. 5, p. 111-53, illus. (4 text maps), plate, map (at end of volume)) *Title tr.*: The expedition of the Bremen Geographical Society to the Chukotsk Peninsula and Alaska. 1881-82. Travel summary II.

Narrative of whaleboat trip from East Cape to Plover Bay (along Chukotsk coast), sea voyage from San Francisco to Chilkoot. Describes weather, coasts, flora, fauna, and the Chukchis and Eskimos of the Chukotsk Peninsula.

Map: East Cape (mys Dezhneva), scale 1:300,000. *Copied seen:* DLC.

9298. KRAUSE, AUREL, 1848- , and ARTHUR KRAUSE. Die Expedition der Bremer geographischen Gesellschaft nach der Tschuktschen-Halbinsel und Alaska. 1881-1882. (Reisebriefe der Gebrüder Dr. Krause). III. (Deutsche geographische Blätter. 1882. Bd. 5, p. 177-223), *Title tr.*: The expedition of the Bremen Geographical Society to the Chukotsk Peninsula and Alaska. 1881-1882. Travel summary III.

Narrative of winter and spring trip near Chilkoot, and of Aurel's return trip to Portland. *Copy seen:* DLC.

9299. KRAUSE, AUREL, 1848-, and **ARTHUR KRAUSE**. Die wissenschaftliche Expedition der Bremer geographischen Gesellschaft nach den Küstengebieten an der Beringsstrasse. (Reisebriefe der Gebr. Dr. Krause.) (Deutsche geographische Blätter. 1881. Band 4, p. 245-81) *Title tr.*: The scientific expedition of the Bremen Geographical Society to the coastal region of Bering Strait. Travel summary.

Describes voyage from San Francisco to East Cape (mys Dezhneva), via Akutan Pass and St. Lawrence Island, with notes on the fishing industry off Shumagin Islands. (These notes were published in English translation as *Cod and halibut fisheries near the Shumagin Islands* 1882, q.v.)

Copy seen: DLC.

KRAUSE, AUREL, 1848-, see also Kurtz, F. Flora d. Chilcatgebietes. 1894.

KRAUSE, AUREL, 1848-, see also Kurtz, F. Flora d. Tschuktschenhalbinsel. 1894.

KRAUSE, AUREL, 1848-, and **ARTHUR KRAUSE**, see also Geographische Gesellschaft in Bremen. Notes on visit to Chukchi Peninsula, 1881 Krause. 1882.

9300. KRAUSE, C. W. Life guards of the air. (Alaska sportsman, Mar. 1943. v. 9, no. 3, p. 10-11, 21, illus.)

Describes how a concentration of sea gulls attracted attention to a wrecked boat and its drowning operator.

Copy seen: DLC.

KRAUSE, ED., see Jacobsen, J. A. Ethnologische Gegenstände . . . im Alaska. 1884.

9301. KRAUSE, JOSEPH FRANCIS, 1887-. The glacier bear. (Alaska sportsman, July 1936. v. 2, no. 7, p. 6-7, illus.)

Notes on the occurrence, range, and habits of the blue or glacier bear *Euarcos emmonsii*, found inland as far as glaciers occur around Prince William Sound from Cordova to Cook Inlet.

Copy seen: DLC.

9302. KRAVCHENKO, G. T. Mineralogicheskie nablūdeniia na Kukisvum-

chorre (Khibinskie tundry). (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1934. Seriia kol'skaiia, vyp. 8: Materialy po petrografii i geokhimii Kol'skogo polostrova, chast' 5, p. 109-128, fold map) *Title tr.*: Mineralogical observations on Kukisvumchorr Mountain (Khibina Tundra [Kola Peninsula]).

Report on field investigations for the Lomonosov Institute of the Academy of Sciences U.S.S.R., with a list of minerals (locations indicated also on map).

Copy seen: DLC.

9303. KRAVKOV, M. Poleznye iskopayemye r. Nizhnei Tunguski. (Po dannym issledovaniia 1938 g.). (Sovetskii Sever, 1931, no. 2, p. 114-28) *Title tr.*: Mineral resources of the Nizhnyaya Tunguska River.

On mineral resources, especially graphite and coal, found in the region between Kochumdeka and Taymura Rivers, tributaries of Lower Tunguska (about 64°N. 93°-98°E.); results of field work of the Expedition of the Siberian Geological Committee to the Nizhnyaya Tunguska River in 1930, under the author's leadership.

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9304. KRECHETOVICH, VITALII IVANOVICH, 1901-1942. K sistematike i geografii vidov ozhih gruppy campestris DC. (Botanicheskii zhurnal, 1927, pub. 1928. T. 12, no. 4, p. 487-91) *Title tr.*: On systematics and geography of the species of *Luzula* group *campestris* DC.

Contains a comparative morphological study of five species of wood rushes (*Luzula*) and their distribution in the U.S.S.R., including *L. multi-flora*, native to the Kamchatka Peninsula and *L. sudetica* from the northwestern Kola Peninsula. *Copy seen:* MH-A.

9305. KRECHETOVICH, VITALII IVANOVICH, 1901-1942. Materialy k poznaniu osok iz podroda *Vignea* (P. B.) Nees. (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1932. T. 30, vyp. 1-2, p. 117-38, illus., text map) *Title tr.*: Materials for the knowledge of the sedges of the subgenus *Vignea* (P.B.) Nees.

Contains a critical revision of the subgenus *Vignea* of the sedge family (Cyperaceae) with Latin descriptions of several new species of *Carex*, including at least six native to arctic U.S.

S.R., the Scandinavian Peninsula, Greenland, Svalbard, Alaska and Ellesmere Island. *Copy seen:* MH-A.

9306. KRECHETOVICH, V I T A L I I IVANOVICH, 1901-1942. *Snova o Carex podocarpa* R. Br. i *C. tolmiei* Boott. (Akademiia nauk SSSR. Botanicheskii institut imeni V. L. Komarova, 1941. T. 9, vyp. 1-3, p. 15-22, map) *Title tr.:* Again on *Carex podocarpa* R. Br. and *C. tolmiei* Boott.

Contains critical notes on these and related species of sedges with data on their distribution in eastern Siberia and Alaska. *Copy seen:* MH-A.

9307. KREINOVICH, E. A. Morskoi promysel giliakov derevni Kul'. (Sovetskaiia etnografiia, 1934, vyp. 5, p. 78-96) *Title tr.:* Sea-animal hunting among the Gilyaks in village of Kul'.

Contains an important study of sea animal hunting among the Gilyaks, with information on preparations, personnel, boats, magic ceremonies before and after the hunt, nets and trappings, ownership of fishing places, taboos, kinds of animals hunted and their relative value and use. Additional explanations are furnished regarding religion, social organization and native economy. *Copy seen:* DLC; DSI-M.

9308. KREINOVICH, E. A. Ocherk kosmogonicheskikh predstavlenii giliakov Sakhalina. (Etnografiia, 1929, v. 4, no. 1, p. 78-102) *Title tr.:* An outline of the cosmogonic concepts of the Gilyaks of Sakhalin Island.

Profusely documented with quotations from informants, portions of folklore and supplementary comparative material from other native groups. The data include concepts of the universe, earth, sky, winds, origin of the world, the concept of the three suns, the creation of local topography, the spirit of the sea-creator, the spirits of crests and mountains, the attitude toward the bear, the upper and lower worlds. *Copy seen:* DLC.

9309. KREINOVICH, E. A. Okhota na belukhu u giliakov derevni Puir. (Sovetskaiia etnografiia, 1935, vyp. 2, p. 108-15, 13 illus.) *Title tr.:* White grampus hunting among the Gilyaks of the village of Puir.

Contains a description of the methods and customs connected with hunting for white grampus among the Gilyaks,

with drawings made by a Gilyak hunter and two verbatim accounts of such hunts. *Copy seen:* DLC; DSI-M.

9310. KREINOVICH, E. A. Perezhitki rodovoi sobstvennosti i gruppovogo braka u giliakov. (Akademiia nauk SSSR. Institut antropologii, arkhologii i etnografii. Trudy, 1936, T. 4, Voprosy istorii doklassovogo obshchestva, p. 711-54, illus.) *Title tr.:* Survivals of clan property and group marriage among the Gilyaks.

Contains material on the occupations of the Gilyaks; examples of villages and their plans, the locations of privately, or family- or clan-owned fishing spots are given. The author shows that trade with the Russians influenced the Gilyak fishing methods, that there was an increase of privately owned fishing places, and that clan organization began to disintegrate. Clan- or privately-owned hunting territories for seal and land animals, or for fruit and nettle gathering are described. The second part of the article deals with marriage, family, difficulties of separation, the position of women, and what the author calls traces of "group marriage." *Copy seen:* NN.

9311. KREINOVICH, E. A. Rozhdenie i smert' cheloveka po vozzreniiam giliakov. (Etnografiia, 1930, v. 5, no. 1-2, p. 89-113) *Title tr.:* Birth and death of man according to the Gilyak beliefs.

Contains material collected by the author in 1926-28 on the beliefs of the Gilyaks. Includes attitudes toward conception, pregnancy, childbirth, afterbirth, umbilical cord, precautions against the evil spirits, care of the child, name giving, child death and burial; also general mortuary customs and beliefs, cremation and interment. *Copy seen:* NN.

9312. KREINOVICH, E. A. Sobakovodstvo giliakov i ego otrazhenie v religioznoi ideologii. (Etnografiia, 1930, v. 5, no. 4, p. 29-54) *Title tr.:* Dog breeding and its reflection in the religious ideology of the Gilyaks.

Contains: data collected on methods of killing dogs for sacrifices, or for their fur; methods of care, feeding and use of dogs for sleigh driving; native medicine for dogs, harness, races, dogs as mediums of gifts and exchange, and as sacrifices for various festivals. The

last part deals with the various tabus, dogs dedicated to children, and the role of dogs in mortuary concepts of the Gilyaks. *Copy seen:* NN.

9313. KREITER, VLADIMIR MIKHAILOVICH, and B. I. VOZDVIZHENSKII. *Tekhnika i metodika geologo-razvedochnykh rabot v usloviakh Severa.* (In: U.S.S.R. Glavnoe upravlenie Severnogo morskogo puti. Geologo-razvedochnaia konferentsiia. 1st, Moskva, 1935. Geologiya i poleznye iskopaemye Severa SSSR. Trudy, 1936. T. 2, Poleznye iskopaemye, p. 308-24). *Title tr.:* Technique and methods of geological investigations under the conditions in the North.

Methods recommended in prospecting for mineral resources in the North, especially rare, precious, and non-ferrous metals, coal, and petroleum.

Criticism of these methods is given in I. A. Utkin *Vystuplenie po dokladu V. M. Kreitera*, 1935, q.v.

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KREKLING, MARIE, *see Nordlands og Troms finner. 1943-45.*

KRENITSIN, Capt., *see Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.*

KRENITSIN, Capt., *see Pallas, P. S. Neue nordische Beyträge. 1781-96.*

9314. KRENKEL', E. A. Radiosluzhba v arkticheskoi polete dirizhabla "LTS-127". (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 104-107, illus.) *Title tr.:* The radio service in the arctic flight of the airship LTS-127.

Notes of the radio operator of the airship *Graf Zeppelin* during its arctic flight in 1931. The radio equipment of the ship and the radio connection maintained with various stations during the flight are described.

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KRENKEL, ERICH, ed.: *GEOLOGIE DER ERDE,* *see* Frebald, H. *Geologie von Spitzbergen. 1935.*

9315. KRENKEL', ERNEST TEODOROVICH, 1903- . Chetyre tovarishcha; dnevnik. Moskva, Gosudarstvennoe izd-vo "Khudozhestvennaia literatura", 1940. 311 [1] p., 2 l., front., illus., plates, ports. *Title tr.:* Four comrades.

A diary kept by the author, Mar. 20, 1937-Mar. 18, 1938, describing the ex-

periences of the North Pole Expedition, the life of the four-man party on the drifting ice-floe station, and the return to Moscow. *Copy seen:* DLC.

9316. KRENKEL', ERNEST TEODOROVICH, 1903- . Radioborudovanie ekspeditzii na Severnyi polius. (Sovetskaya Arktika, 1937, no. 6, p. 60-61) *Title tr.:* Radio equipment of the North Pole Expedition.

Discussion on selection of equipment for the drifting station "North Pole", by the radio operator of the party under Papanin. *Copy seen:* DLC.

9317. KRENKEL', ERNEST TEODOROVICH, 1903- . Radiostantsiia "Upol". (Ekspedititsiia SSSR na Severnyi polius, 1937. Trudy Dreifuishchei stantsii "Severnyi polius". T. 1, p. 151-208, illus., plates, mounted port. diagrs.) *Title tr.:* The radio station "Upol".

A description of the radio equipment and working conditions on the ice-floe drifting station "North Pole", by its radio engineer.

Supplement: Observations on contacts with short wave amateur radio stations, p. 188-208.

Copy seen: DLC.

KRENKEL', ERNEST TEODOROVICH, 1903- , *see also* Papanin, I. D., & others. Deviat' mesiatsev na Dreifuishchei stantsii. 1938.

KRENOV, DIMITRI, *see* Berkh, V. N. Chronological history discovery Aleutian Islands. 1938.

9318. KREPS, E., and N. VERBIN-SKAIÁ. The consumption of nutrient salts in the Barents Sea. (International Council for the Study of the Sea. Journal du Conseil, Apr. 1932. v. 7, p. 25-46, incl. tables, diagrs.)

Results of routine cruises of the U.S.S.R. Oceanographic Institute vessels along the Kola meridian (33°30'E.) from the Murman coast to the ice margin, Mar.-Apr., June, Aug.-Sept., Nov. 1930, also Jan. and Mar. 1931. The authors give a detailed presentation of seasonal changes and distribution of phosphates and nitrates, also of fluctuations from year to year, with an estimate of annual phytoplankton production, based on consumption of phosphates; includes a bibliography.

Copy seen: DLC.

9319. KREPS, E., and N. VER'BIN-SKAIĀ. Seasonal changes in the phosphate and nitrate content and in the hydrogen-ion concentration in the Barents Sea. (International Council for the Study of the Sea. Journal du Conseil, Dec. 1930. v. 5, p. 329-46 (incl. diags.)

Contains a discussion of the nutrient salts and the phytoplankton; the variation between sections along the Kola meridian (33°30'E.) and the 38° meridian, in Atlantic and arctic waters, and by stages with vertical mixing of waters.

Copy seen: DLC.

9320. KREPS, GERMAN. Domashnii i dikii olen' v Laplandii. (Sovetskii Sever, 1934. T. 5, no. 3, p. 68-74) Title tr.: The wild and domestic reindeer in Lapland.

Description of the relations between wild and domestic reindeer, based on the author's observations in the Lapland state reserve in the early 1930's, and on information received from the Lapps of the Imandra region.

Copy seen: DLC.

KRIECHBAUMER, J., see Emery, C., & others. Relazione del materiale zoologico Sped. Abruzzi. 1900.

9321. KRIEGER, HERBERT WILLIAM, 1889-. Archeological and ethnological studies in Southeast Alaska. (Smithsonian Institution. Smithsonian Miscellaneous Collections. 1927. v. 78, no. 7, Explorations and field-work of the Smithsonian Institution in 1926, p. 174-87, illus.)

Report on a trip April-May 1926, under auspices of Bureau of American Ethnology, for purpose of inspecting native houses and totem poles at the National Monument of Old Kasaan, with a view to their preservation. The history of the site (on Prince of Wales Island) is discussed and the houses and totem poles described.

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9322. KRIEGER, HERBERT WILLIAM, 1889-. Indian villages of Southeast Alaska. (Smithsonian Institution. Annual report, 1927, pub. 1928. p. 467-94, illus. (map) 16 plates)

Survey of Haida and Tlingit tribal groups of Prince of Wales Island and Southeast Alaskan coastal regions; their habitat, physical characteristics, affiliations with other tribes, their

trade, food, implements and industries, social organization, villages, and their totems.

Copy seen: DLC.

9323. KRIJANOVSKY, N. Volcanoes of Kamchatka. Compiled and translated from Russian sources. (Geological Society of America. Bulletin June 1934. v. 45, p. 529-49, fold. map)

Contains introductory notes on the Russian sources and a descriptive list of the one hundred twenty-seven volcanoes.

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9324. KRIMMER, F. E. AKO. (SovetskaiĀ Arktika, 1936, no. 5, p. 53-60, illus., map) Title tr.: AKO (Kamchatka Joint Stock Company)

Results of the eight-year activity of the Kamchatka Joint Stock Company, established by the People's Commissariat of Food Industry in 1927.

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9325. KRISHTOFOVICH, A. A. Tuzemnye geograficheskie imena na zapadnom beregu ostrova Sakhalina. (Vsesoiuznoe geograficheskoe obschestvo. Izvestiĭa, 1930. T. 62, vyp. 3, p. 287-91) Title tr.: Native geographical names on the west coast of Sakhalin Island.

Contains a list of Gilyak geographical names with an analysis of their derivation.

Copy seen: DLC.

9326. KRISHTOFOVICH, AFRIKAN NIKOLAEVICH, 1885-. Osnovnye cherty razvitiĭa tretichnoi flory Azii. (Leningrad. Glavnyi botanicheskiĭ sad. Izvestiĭa, 1930. T. 29, vyp. 3-4, p. 391-402) Title tr.: Principal features of evolution of the Tertiary flora in Asia.

Contains an outline of the principal boundaries of the former botanical regions of Eurasia in the Tertiary period, including Greenland province (embracing the polar regions of Europe and western Asia) and North Siberian province (along the northeastern margin of Asia). Characteristics and evolution of these fossil floras are discussed. Summary in English.

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9327. KRISHTOFOVICH, AFRIKAN NIKOLAEVICH, 1885-. PaleontologicheskaiĀ istoriĭa vinograda. (Botanicheskiĭ zhurnal, 1938, T. 23, no. 5-6, p. 365-74, illus.) Title tr.: Palaeontological history of grapevine.

Contains a brief history of grapevine (*Vitis*) and some allied species,

with data on some arctic species native to Greenland, Alaska and northeastern Asia (Anadyr region). Summary in English. *Copy seen:* MH-A.

9328. KRISHTOFOVICH, AFRIKAN NIKOLAEVICH, 1885- . *Razvitie Angarskikh flor na osnovanii paleobotanicheskikh.* (Botanicheskii zhurnal, 1949. T. 34, vyp. 1, p. 120-22) *Title tr.:* Development of Angara floras in the light of paleobotanical evidence.

Contains a summary of the author's report to the Third Conference on the history of flora and vegetation of U.S.-S.R., Leningrad, Jan. 20-25, 1948, on the development of Angara floras, including those of arctic regions; traces their origin to various periods in geologic time, and considers such factors as climatic changes and plant migration. *Copy seen:* MH-A.

9329. KRISTOFFERSEN, SIGFRIED. Undersøkelser over lirypens forplantningsforhold. Tromsø museum rypeundersøkelser. (Nytt magasin for naturvidenskapene, 1937. Bd. 77, p. 141-94) *Title tr.:* Investigation of breeding habits of grouse. Tromsø Museum grouse research.

Contains a study of propagation and biology of the willow ptarmigan (Lagopus lagopus) carried out over four years, 1931-34 in Karlsøy, Troms province, with seven tables of data on egg-laying, number of eggs, number of nests, etc., and a journal of observations. Summary in English. *Copy seen:* MH-Z.

9330. KROEBER, ALFRED LOUIS, 1876- . Animal tales of the Eskimo. (Journal of American folk-lore, 1899. v. 12, p. 17-23)

Discussion of types of tales, also list with localities and references to the literature. *Copy seen:* DLC.

9331. KROEBER, ALFRED LOUIS, 1876- . The Eskimo of Smith Sound. (American Museum of Natural History. Bulletin, 1899. v. 12, p. 265-327, illus., 4 plates)

Results of investigation, 1897-98, among six Eskimos and on an ethnological collection, brought from Smith Sound to New York by Lieut. R. E. Peary. Descriptions of utensils, boats, hunting and fishing implements; clothing, string figures, marriage and mortuary customs, mythology, beliefs, with

list of angakok (shaman's religious ceremonial) words from various Eskimo dialects. *Copy seen:* DLC.

9332. KROEBER, ALFRED LOUIS, 1876- . Measurements of Chukchi (American anthropologist, 1909. New ser. v. 11, p. 531-33, table)

Physical characteristics of twenty-one Chukchis at the Alaska-Yukon-Pacific Exposition, Seattle. *Copy seen:* DLC.

9333. KROEBER, ALFRED LOUIS, 1876- . Tales of the Smith Sound Eskimo. (Journal of American folk-lore, 1899. v. 12, p. 166-82)

Thirty-odd tales in English translation, collected 1897-98 (from Eskimos of the Smith Sound region brought to the American Museum of Natural History, New York), with references to comparable tales in the literature. *Copy seen:* DLC.

KRÖBER, O., see Sjøstedt, Y., & others. Entomologische Ergebnisse Kamtschatka-Exped. 37. Abschluss. 1935.

9334. KROGERUS, ROLF. Studien über Lebensweise und Entwicklung einiger *Bledius*-Arten. Helsingfors, 1925. 24 p. illus. plate. (Societas pro fauna et flora fennica. Acta, 1924-1927, pub. 1925. v. 56, no. 3) *Title tr.:* Studies of life and development of some *Bledius* species.

Contains a conspect of fifteen species of beetles of the genus Bledius, data on their distribution in Finland (to 68°30'N.); an ecological study of the genus and description of larvae of five species. *Copy seen:* MH-A.

9335. KROGERUS, ROLF. Zur Kenntnis der Agriliden Finnlands. (Societas pro fauna et flora fennica. Meddelanden, 1922-23, pub. 1925. Häfte 49, p. 70-76). *Title tr.:* To the knowledge of the species of the genus *Agrilus* of Finland.

Contains a key to species and an enumeration of eleven species (one new variety) of slender beetles of the genus Agrilus (fam. Buprestidae) of Finland, including Agrilus viridis subsp. chrysoderes var. calceicola occurring in Sodankylä, Kemi Lappmark, with data on distribution and host plants of larvae. *Copy seen:* MH-A.

9336. KROGH, AUGUST, 1874- . The abnormal CO₂-percentage in the air in

Greenland and the general relations between atmospheric and oceanic carbonic acid. (Meddelelser om Grønland, 1904. 26. hefte, p. 407-34 incl. tables)

Theoretical discussion and results of observations made at Disko Island, West Greenland, during Porsild and Krogh's Expedition to Disko, 1902.

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9337. KROGH, AUGUST, 1874- . On the tension of carbonic acid in natural waters and especially in the sea. (Meddelelser om Grønland, 1904. 26. hefte, p. 331-405, illus., tables, diagrs.)

Account of methods and apparatus used and discussion of the physico-chemical theory of carbonic acid in sea water and fresh water, and of determinations of tension in various waters, including fresh waters on Disko Island, West Greenland.

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9338. KROGH, AUGUST, 1874- , and MARIE KROGH. A study of the diet and metabolism of Eskimos undertaken in 1908 on an expedition to Greenland. 1913. (Meddelelser om Grønland, 1915. Bd. 51 p. 1-52 incl. illus., tables, diagrs.)

Physiological experiments made on West Greenland Eskimos to determine effects of protein diet and the possibility of storing protein in the body for later use by the organism.

Copy seen: DLC.

KROGH, J., *see* Ostermann, H. B. S., & *others*. Beskrivelse af distrikterne i Nordgrønland. 1921.

KROGH, MARIE (JØRGENSEN), 1874- , *see* Krogh, A., & M. Krogh. Study of diet & metabolism of Eskimos. 1915.

9339. KROGIUS, F. V. Hidrologicheskoe issledovanie oz. Umbozera (Ump"-javr). (In: Khibinskie apatity, 1932. T. 2, p. 337-38, map, diagr.) *Title tr.*: Hydrological investigation of Lake Umb-ozero (Ump"-javr).

Results of 132 soundings made in thirteen different localities of Lake Umb-ozero by the Hydrological section of the Kola Expedition of the Academy of Sciences in 1930. Includes a bathymetric map and a diagram of cross sections of the soundings.

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KROGIUS, F. V., *see also* Krokhin, E. M., & F. V. Krogus. Ocherk basseina r. Bol'shoi. 1937.

KROGIUS, F. V., *see also* Krokhin, E. M., & F. V. Krogus. Ocherk Kuril'skogo ozero. 1937.

9340. KROGNESS, OLE ANDREAS, 1886-1934. The importance of obtaining magnetic registrations from a comparatively close net of stations in the polar regions. (Norway. Geofysiske Kommission. Various papers on the projected cooperation with Roald Amundsen's North Polar Expedition. *Pub. in:* Geofysiske publikationer, 1920. v. 1, no. 4, p. 8-18)

Contains résumé of work done previously and discussion of arrangements for magnetic registrations, and the instruments on board the *Maud*, also of scientists' interest in magnetic registrations in the polar regions.

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9341. KROGNESS, OLE ANDREAS, 1886-1934, and E. TØNSBERG. Auroral and magnetic measurements from observations at Haldde Observatory. Oslo, Cammermeyer, 1936. 21 p. incl. tables, 2 plates, diagrs. (Geofysiske publikasjoner. v. 11, no. 8)

The results of auroral height determination by parallactic photos from Haldde Observatory, (69°56'N. 22°55'E.) and Bossekop (69°57'N. 23°14'E.), in 1914. The results of geomagnetic measurements at Haldde during 1914-1926 indicated an annual variation of the declination eastward by 7.5'; an annual decrease in horizontal intensity of 35 γ and an increase of 2' annually in inclination.

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KROGNESS, OLE ANDREAS, 1886-1934, *see also* Norske institutt for kosmisk fysikk. Auroral observatory Tromsø. Results magnet. observ. 1930-46. 1932-49.

KROGNESS, OLE ANDREAS, 1886-1934, *see also* Vegard, L., & O. A. Krogness. Position in space aurora polaris. 1920.

9342. KROK, THORGNY OSSIAN BOLIVAR NAPOLEON, 1834-1921. Bibliotheca botanica suecana ab antiquissimis temporibus ad finem anni MCMXVIII. Uppsala och Stockholm, Almqvist & Wiksell, [1925] xvi, 799 p. front. *Title tr.*: Swedish botanical literature from the oldest times to the end of the year 1918.

Contains an extensive bibliography of Swedish botanical literature with brief biographical data on authors, including record of many papers concerning the arctic regions of Scandinavia.

Copy seen: MH-A.

9343. KROK, THORGNÝ OSSIAN BOLIVAR NAPOLEON, 1834-1921. Tvänne i Finnmarken återfunna fanerogamer. (Botaniska notiser, 1899, p. 137-45) *Title tr.:* Two phanerogams found in Finnmark.

Contains descriptions, synonymy, critical notes and data on distribution of *Glyceria reptans* and *Trichophorum emergens* (often described as *Scirpus alpinus*) found in Finnmark, Norway; the first species is also occurring in West Spitsbergen, Greenland, Novaya Zemlya, arctic Siberia and St. Lawrence Island.

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9344. KROKHIN, E. M. Issledovanie Kronotskogo ozera v marte — mae 1935 g. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, vyp. 5, 702-727, illus., maps) *Title tr.:* A study of Kronots Lake, March-May, 1935.

A physico-geographical description of this lake (54°47'N. 160°10'E. in Kamchatka Peninsula); its hydrology, and ichthyology. Bibliography, p. 727.

Copy seen: DLC.

9345. KROKHIN, E. M. Materialy k poznaniyu ozera Umbozera. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, vyp. 2, p. 211-45, illus., maps, diagrs.) *Title tr.:* Materials for knowledge of Lake Umb-ozero.

Results of work of the colonization section of the Murmansk Railway Expedition, 1930, at Lake Umb-ozero (in Kola Peninsula, about 67°40'N. 52°30'E.) Description of the morphology of the lake shore; thermal conditions and bottom soils, vertical and surface temperature, winds and daily temperature variations. Summary in French.

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9346. KROKHIN, E. M. Nerestovye kluchi Kamchatki. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1935. T. 67, vyp. 1, p. 100-103, diagrs.) *Title tr.:* Spawning springs of Kamchatka.

Description of springs where salmon spawn in the river valleys of Kamchatka Peninsula.

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9347. KROKHIN, E. M. Zametka o pikhtarnike v doline r. Semiachek (Kamchatka). (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1936. T. 68, no. 4, p. 586-88, illus.) *Title tr.:* Note on a stand of spruce in the Semyachek River valley (Kamchatka).

Contains a note on the author's observation of a grove of *Picea (Abies) gracilis* in the valley of Semyachek River (flowing southeast into Kronotskiy Bay at 54°06'N. 159°59'E.), the only known occurrence of this spruce in Kamchatka Peninsula.

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9348. KROKHIN, E. M., and F. V. KROGIUS. Ocherk basseina r. Bol'shoy i nereshtishch lososyevykh raspolozheniykh v nem. Vladivostok, 1937. 156, [2] p. illus., maps (1 fold.) diagrs. (Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khozaystva i okeanografii. Izvestiia, t. 9) *Title tr.:* Study of the basin of the Bol'shaya River and of its salmon spawning places.

A detailed study of the basin of the Bol'shaya River (flowing northeast into Anadyr Bay, at about 64°40'N. 176°24'E., Kamchatka Peninsula); includes a physico-geographical description, results of chemical analyses of numerous rivers, streams and lakes within it and an evaluation and description of various salmon spawning places within the river's system (with folded map). Bibliography (29 items). Summary in English.

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9349. KROKHIN, E. M., and F. V. KROGIUS. Ocherk Kuril'skogo ozera i biologii krasnoy (*Onchorhynchus nerka* Walb.) v ego basseine. (Akademiia nauk SSSR. Tikhookeanskii komitet. Trudy, 1937. v. 4, p. 3-165, plates, tables, fold. map) *Title tr.:* Lake Kuril and the biology of the sockeye salmon (*Oncorhynchus nerka*) spawning in its basin.

Results of investigations by the Kamchatka section of the Marine Pacific Scientific Institute of Fisheries, 1932-33, at Lake Kuril, in southern Kamchatka, 51°29'N. 157°11'E. Brief outline of explorations of the lake, detailed geographical description of its surface waters, depths, shores, islands and its basin; data on physical conditions (temperature, hot springs) and chemical composition of the water; description of vegetation and animal life. Investi-

gation of the sockeye salmon, its spawning grounds, the young, size, age and growth rate, etc.

Maps: Basin of Ozernaya River and Lake Kuril (scale approx. 1:400,000); Lake Kuril and the spawning grounds (scale approx. 1:100,000). Summary in English, p. 155-65. *Copy seen:* DLC.

9350. KROKSTRÖM, TORSTEN HUGO, 1905-. Petrological studies on some basaltic rocks from East Greenland, by Torsten Krokström. With an appendix on the field position of some basalts intermediate between the northern and southern areas in East Greenland, by Helge G. Backlund. København, C. A. Reitzel, 1944. 73, [2] p. 1 illus., 2 plates (incl. fold. map) diags. (Meddelelser om Grønland. Bd. 103, nr. 6)

Results of the Three-Year Expedition to Christian X's Land, 1931-34, under the leadership of Laue Koch.

Detailed petrographic description, based on rock specimens from Liverpool, Jameson and Canning Lands, and from the Fleming Inlet and western Scoresby Sound regions; includes results of chemical analyses of three groups: olivine dolerites, plagioclase porphyrites and basalts.

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9351. KROPOTKIN, PETR ALEKSEEVICH, kniaz', 1842-1921. Doklad Komissii po snariazheniiu ekspeditzii v sievernyia moria, sostavlennyi P. A. Kropotkinym pri sodiestvii A. I. Voikov, M. A. Rykacheva, barona N. A. Shillinga, F. B. Shmidta i F. F. Iarzhinskago. (Vsesoiuznoe geograficheskoe obshchestvo. Izv'iestia, 1871 (pub. 1872). T. 7, p. 29-117) *Title tr.:* Report of the Commission for the Equipping of an Expedition to the Northern Sea, composed by P. A. Kropotkin in collaboration with A. I. Voikov, M. A. Rykachev, Baron N. A. Shilling, F. B. Shmidt, and F. F. Iarzhinskii.

Proposing a scientific expedition to the Kara Sea and the ocean northeast of Novaya Zemlya, the author outlines problems in geography, geodesy, terrestrial magnetism, currents, tides, meteorology, geology, botany, zoology, and the state of knowledge in these fields.

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KROPOTKIN, PETR ALEKSEEVICH, kniaz', 1842-1921, see also Maidel', G.

Reisen u. Forschungen im Jakutskischen Gebiet, 1861-71. 1893-96.

KROPOTKIN, PETR ALEKSEEVICH, kniaz', 1842-1921, see also Toll, E. V. Proposal for expedition to Sannikoff Land. 1898.

KROTOV, F. G., see Girgolav, S. S., & others. Recent findings on frostbite. 1944.

9352. KROTOV, M. Letniia putina 1934 goda v nizov'iaxh r. Leny. (Sovetskii Sever, 1935, no. 3-4, p. 56-63, illus.) *Title tr.:* Summer fishing on the lower Lena.

Description of the activity of the State Fishing Industry Trust in the region, based on the author's observations in 1934. Need for increase of the river fleet, improvement of methods of work, technique of catch, etc.

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9353. KRUEGER, HANS KURT ERICH. Gesteinkörper und Inlandeis Grönlands in ihrer gegenseitigen Beziehung und Auswirkung. (Zeitschrift für Gletscherkunde, Juni 1929. Bd. 17, p. 1-32, illus., fold. map) *Title tr.:* The rock structure and inland ice of Greenland in their mutual relationship and operation.

Contains a technical discussion of tectonic development of Greenland's land forms and the icecap in relation to them, including fiord-building, the probable greatest diluvial extent of the icecap and its present-day form.

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9354. KRUEGER, HANS KURT ERICH. Neuere geologische Forschungen in der Arktis. (Verein für Erdkunde zu Darmstadt. Notizblatt, 1927, pub. 1928. Folge 5, Heft. 10, p. 282-91) *Title tr.:* Recent geological research in the Arctic.

Published in English in: American journal of science, 1929, ser. 5, v. 17, p. 50-62. Review of the 20th century work in Greenland, the North American, Eurasian and Siberian Arctic, with a list of eighty-six publications on the expeditions and their geological results.

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9355. KRUEGER, HANS KURT ERICH. Ueber eine sogenannte Basaltbreccie in der Kreide-Tertiär-Formation von Westgrönland. (Verein für Erdkunde zu Darmstadt. Notizblatt,

1927, *pub.* 1928. Folge 5, Heft 10, p. 270-81) *Title tr.*: On the so-called basalt-breccia in the Cretaceous-Tertiary formation of West Greenland.

Discussion of the chemical composition and possible origin of the rocks occurring on Disko, the Nugsuaq and the Swartenhuk Peninsulas, by a member of the Hessian Greenland Expedition, 1925. *Copy seen*: DGS.

9356. K R U E G E R, HANS KURT ERICH. Zur Geologie von Westgrönland, besonders der Umgebung der Diskobucht und des Umanak-Fjordes. 1928. (Meddelelser om Grønland, 1930. Bd. 74, p. 97-136, illus. (profiles, diagrs.) tables, fold. map) *Title tr.*: On the geology of West Greenland, especially the vicinities of Disko Bay and Umanak Fiord. Author's dissertation, Univ. of Heidelberg, 1929.

General discussion, with remarks on the upper levels, based on observations made during the Hessian Greenland Expedition, 1925. *Copy seen*: DLC.

9357. K R U E G E R, HANS KURT ERICH, and FRITZ KLUTE. Die Hessische Grönlandexpedition 1925. (Petermanns geographische Mitteilungen, 1926. Bd. 72, p. 105-111)

Contains an account of the trip to Umanak and general remarks on the west coast of Greenland where the expedition made stops; geological results, by H. Krueger, containing petrologic notes on the region of the Nugsuaq Peninsula and south to Disko; geographic results, by F. Klute, containing descriptive remarks on the coastal features between 67°-71°N., the marine terraces, glacial erosion, coastal subsidence, etc. *Copy seen*: DGS.

KRUEGER, HANS KURT ERICH, *see also* Drescher-Kaden, F. K., and H. K. E. Krueger. Peridotit Kaersut (Grönland). 1928.

9358. KRÜGER, K. Die drahtlose Nachrichtenübermittlung in den Polargebieten. (Arktis, 1931. Jahrg. 4, p. 52-64, diagrs.) *Title tr.*: Radio transmission in arctic regions.

Contains analysis of the influence of low temperature, snow and ice cover, low solstitial point (solar position), and proximity of the magnetic pole.

Copy seen: DLC; NNS Stef.

9359. KRÜMMEL, OTTO. Handbuch der Ozeanographie. 2. Aufl. Stuttgart,

J. Engelhorn, 1907-1911. 2 v. illus. tables, sketch charts, diagrs. *Title tr.*: Handbook of oceanography.

Contains (v. 1, p. 498-526) a chapter on ice in the sea, with discussion of the physical properties, salinity, temperature, formation, behavior and geographic distribution of ice.

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9360. KRUGLOV, MIKHAIL V. Verkniesiluriiskie Cephalopoda iz doliny Rusanova na severnom ostrove Novoi Zemli. (Akademika nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 161-76, 2 plates) *Title tr.*: Upper Silurian Cephalopoda from the Rusanov valley in the northern island of Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences, 1925. Annotated list of seventeen (including with description, one new) species of fossil Cephalopoda found in Rusanov valley. Summary in English.

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9361. KRULISH, EMIL, 1878- . Sanitary conditions among the Eskimos; a report on conditions in native villages along the arctic coast of Alaska. Washington, U. S. Govt. Print. Off., 1914. 13 p. incl. 4 p. of illus. (U. S. Public Health Service. Public health reports, Dec. 12, 1913. Supplement no. 9)

Based on brief visits during regular calls of the U. S. Revenue Service cutter in 1913, along the coast from Kotzebue to Barrow, and in St. Lawrence Bay, Siberia. Includes notes on settlements, dwellings, food, sanitary conditions, and diseases.

Copy seen: DLC; NNS Stef.

9362. KRUMBACH, THILO. Kämpetozoa und Branchiostoma des arktischen Gebietes. (In: Fauna arctica, 1932. Bd. 6, p. 81-92) *Title tr.*: Kämpetozoa and Branchiostoma of the arctic region.

Lists, with synonymy, references, and distribution, of eighteen species of bryozoans, and five species of chordates from arctic seas; with a bibliography (37 items).

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9363. KRUMBHAER, G. DOUGLAS. *Euphrasia Oakesii* in Hamilton Inlet, Labrador. (Rhodora, July 1926. v. 28, p. 131-32)

Note on a hemiparasitic herb from Indian Harbour, 1925.

Copy seen: DA.

KRUSE, H. D., see Moore, P. E., & others. Medical survey nutrition N. Manitoba Indians. 1946.

9364. KRUSE, J. Barn og skole på Svalbard. (Polar-Årboken, 1939. p. 72-76, illus.) *Title tr.*: Children and the school in Svalbard.

Discusses the influence of the isolation from civilization on the children; their physical well-being and generally good moral condition.

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9365. KRUSE, CHRISTIAN, 1867-. Aggas-Ø til Kap Dalton. (In his: Rejser og botaniske undersøgelser i Øst-Grønland, 3. del. *Pub.* in Meddelelser om Grønland, 1912. Bd. 49, p. 188-89) *Title tr.*: Aggas Island to Cape Dalton.

Listing of forty-seven species of phanerogams from five localities, on Greenland's east coast about 67°30'-69°30'N., collected by Amstrup during the Carlsberg Fund Expedition to East Greenland, 1898-1900.

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9366. KRUSE, CHRISTIAN, 1867-. Angmagssalikerne; ethnografiske iagttagelser paa en expedition til Angmagssalik. (Geografisk tidsskrift, 1901-02. Kjøbenhavn, 1902. Bd. 16, p. 211-17) *Title tr.*: The Angmagssaliks; ethnographic observations on an expedition to Angmagssalik.

Contains remarks on the geography of the Angmagssalik region; characteristics of the Eskimos there; also text and discussion of Eskimo drum songs collected by the author there 1901-02.

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9367. KRUSE, CHRISTIAN, 1867-. Beretning om ekspeditionen i 1901-02. (In his: Rejser og botaniske undersøgelser i Øst-Grønland, 1. del. *Pub.* in Meddelelser om Grønland, 1912. Bd. 49, p. 3-152, illus., 4 maps) *Title tr.*: Report of the Expedition, 1901-02.

Narrative of Kruse's Botanical and Ethnological Expedition to Angmagssalik, 1901-1902, with descriptions of equipment, winter quarters near Angmagssalik, etc., text of the local Eskimo drum songs recorded; accounts of trips taken in the Angmagssalik region and descriptions of the vegetation of the various localities. Summaries in English, p. 289-95.

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9368. KRUSE, CHRISTIAN, 1867-. Botanical exploration of the east coast of Greenland between 65°-74°30' lat. N. (In: Amstrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 4. del. *Pub.* in Meddelelser om Grønland, 1911. 30. hefte, p. i-xiii)

Contains instructions for the botanical section of the Expedition to the East Coast of Greenland, 1898-1899 (part of the Carlsberg Fund Expedition to East Greenland, 1898-1900), and brief account of the botanical journeys of the Carlsberg Fund Expedition and of Kruse's Botanical and Ethnological Expedition to Angmagssalik, 1901-1902.

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9369. KRUSE, CHRISTIAN, 1867-. List of phanerogams and vascular cryptogams found in the Angmagssalik District on the east coast of Greenland between 65°30' and 66°20' lat. N., by Chr. Kruse, 1906. (In: Amstrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 4. del, nr. 6. *Pub.* in Meddelelser om Grønland, 1911. 30. hefte, p. 209-87)

List, with references to literature, localities and remarks, of one hundred eighty-three species collected during the Carlsberg Fund Expedition to East Greenland, 1898-1900, and during Kruse's Botanical and Ethnological Expedition to Angmagssalik, 1901-1902; with list of stations.

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9370. KRUSE, CHRISTIAN, 1867-. List of the phanerogams and vascular cryptogams found on the coast 75°-66° 20' lat. N. of East Greenland, by Chr. Kruse, 1905. (In: Amstrup, G. C. Carlsbergfondets expedition til Øst-Grønland, 4. del, nr. 5. *Pub.* in Meddelelser om Grønland, 1911. 30. hefte, p. 143-208)

List, with references to literature, localities and remarks of one hundred seventy-eight species; with list of stations.

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9371. KRUSE, CHRISTIAN, 1867-. Optegnelser om de 1898-99 paa den Amstrupske baadekspedition besøgte lokaliteter. (In his: Rejser og botaniske undersøgelser i Øst-Grønland, 2. del. *Pub.* in Meddelelser om Grønland, 1912. Bd. 49, p. 153-88) *Title tr.*: Notes on the localities visited by the Amstrup Ship Expedition, 1898-99.

Descriptions of the vegetation of localities along the east coast of Greenland 65°35'–67°20'N., visited by the author during the Expedition to the East Coast of Greenland, 1898–1899 (part of the Carlsberg Fund Expedition to East Greenland, 1898–1900) and (in part) revisited during his Botanical and Ethnological Expedition to Angmagssalik, 1901–1902.

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9372. KRUUSE, CHRISTIAN, 1867–. *Rejser og botaniske undersøgelser i Øst-Grønland mellem 65°30' og 67°20' i aarene 1898–1902, samt Angmagssalik-egnens vegetation, af Chr. Kruse, 1911. København, C. A. Reitzel, 1912. 1 p. l., 304 [3] p. incl. illus., tables. IV maps (1 fold.) Meddelelser om Grønland. Bd. 49. Title tr.: Journeys and botanical investigations in East Greenland between 65°30' and 67°20' during the years 1898–1902, with the vegetation of the Angmagssalik region, by Chr. Kruse, 1911.*

Contents tr.: 1. Report of the Expedition, 1901–02. 2. Notes on the localities visited by the Amdrup Ship Expedition 1898–99. 3. Aggas Island to Cape Dalton. 4. The vegetation on East Greenland between 65°30' and 69°30'. Summary in English, p. 289–304. Each part appears in this Bibliography under its author's (Kruse) name.

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9373. KRUUSE, CHRISTIAN, 1867–. *Vegetation i Egedesminde skjaergaard. (In: Petersen, F. Opmaalingsexpeditionen til Egedesminde distrikt, 1897. Pub. in Meddelelser om Grønland, 1898. 14. hefte, p. 348–99) Title tr.: The vegetation on offshore rocks and islands in Egedesminde.*

Account of the botanical trip; discussion of the physical geography and climate of the islands visited, and of their vegetation, with list of seventy-eight common species of plants.

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9374. KRUUSE, CHRISTIAN, 1867–. *Vegetationen paa Øst-Grønland mellem 65°30' og 69°30'. (In his: Rejser og botaniske undersøgelser i Øst-Grønland, 4. del. Pub. in Meddelelser om Grønland, 1912. Bd. 49, p. 190–304) Title tr.: The vegetation on the east coast of Greenland between 65°30' and 69°30'.*

Contains (1) tables of occurrence of plant species 65°30'–69°30'N.; (2) discussion of ground, soil and ground water; (3) discussion and tables of meteorological observations made during the Carlsberg Fund Expedition 1898–1900 and during the author's trip, 1901–1902; (4) discussion, with lists of species of plants, of vegetation in thickets, on herb and grass slopes, meadows, moors and rocks; (5) discussion of new soil and bogs; and (6) vegetation on beaches and in lakes and ponds.

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KRUUSE, CHRISTIAN, 1867–, *also* Amdrup, G. C., & others. *Østgrønlandske exped., 1898–1899. 1900.*

KRUUSE, CHRISTIAN, 1867–, *also* Hartz, N., & C. Kruse. *Vegetation northeast Greenland. 1911.*

KRUUSE, CHRISTIAN, 1867–, *also* Rostrup, E. *Fungi Groenlandiae orientalis. 1911.*

9375. KRUZENSHTERN, IVAN FEDOROVICH, 1770–1846. *Atlas de l'océan Pacifique dressé par M. de Krusenstern . . . Publié par ordre de Sa Majesté impériale. St. Pétersbourg, 1827 [i.e. 1838?] 9 l. 34 (i.e. 42) maps (part double) on 43 leaves, mounted throughout.*

Recueil de mémoires hydrographiques, pour servir d'analyse et d'explication à l'Atlas de l'océan Pacifique, par le Commodore de Krusenstern . . . Saint-Pétersbourg, Impr. du Département de l'instruction publique, 1824–27. 2 v.: xlviii, 324 [2]; 478 [2] p. and Supplement, pub. 1835: ix, 177 [3] p. map. Titles tr.: Atlas of the Pacific Ocean [etc.]

Collection of hydrographic memoirs to serve as analysis and explanation of the Atlas of the Pacific Ocean.

In the Atlas, maps no. 17–20 show Kodiak, Aleutian Islands, and Alaska Peninsula. In the Memoirs, are descriptions of King, Sledge, St. Lawrence and Nunivak Islands, v. 2, p. 35–39; Kodiak, v. 2, p. 60–74; Aleutians, v. 2, p. 75–97; Alaska Peninsula, v. 2, p. 98–111; with supplemental information on these regions in the Supplement, p. 116–25.

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9376. KRUZENSHTERN, IVAN FEDOROVICH, 1770–1846. *Beyträge zur Hydrographie der grössern Ozeane als Erläuterungen zu einer Charte des*

ganzen Erdkreises nach Mercator's Projection. Leipzig, P. G. Kummer, 1819. 4 p. l., 248 p. **Title tr.:** Contribution to the hydrography of the oceans as explanations for a global map on Mercator's projection.

Sailing directions in brief which include Kodiak and neighboring islands to the west also the Aleutian Islands (p. 85-87), the coasts of North America from Bering Strait to Southeast Alaska (p. 220-26) and (p. 235-37) the Asiatic coast from Bering Strait to the southern tip of Kamchatka Peninsula; with notes (p. 238-44) on exploration of the arctic coasts of Siberia. **Copy seen:** DLC.

9377. KRUZENSHTERN, IVAN FEDOROVICH. 1770-1846. Puteshestvie vokrug svieta v 1803, 4, 5 i 1806 godakh. Po povelieniu Ego Imperatorskago Velichestva Aleksandra Pervago, na korablakh Nadezhdie i Nevie, pod nachal'stvom flota kapitan-leitenanta, nynie kapitana vtorago ranga, Kruzenshterna. V Sanktpeterburgie v Morskoi tipografii, 1809-1813. 3 v.: xxvi, 388 p.; 471, 2 p.; iv, 449, 2 p.; tables (incl. 1 fold.) Atlas vol.: 1 p. l., CIX plates (part double, incl. maps) **Title tr.:** Voyage round the world, in the years 1803, 1804, 1805, 1806, by order of His Imperial Majesty Alexander the First, on board the ships *Nadezhda* and *Neva*, under the command of Lieutenant Commander, now Commander Kruzenshtern.

Account of the first Russian round-the-world voyage on the *Nadezhda*, 1803-06 from Kronstadt round Cape Horn to Kamchatka, Kurile Islands, Sakhalin, Japan, China, and via Cape of Good Hope to St. Petersburg, undertaken with purpose of exploring the Russian Pacific shores and of developing diplomatic and trade relations of Russia with Japan and China. The voyage included three sojourns, totaling more than three months, at Petropavlovsk in Kamchatka in the summer of 1804, and summer and fall, 1805. The account of the voyage of the *Neva* was published as Iu. F. Lisianskii, *Puteshestvie vokrug svieta*, q.v.

Contents include: Introduction with historical sketch of the exploration of Russian lands in the North Pacific and development of the Russian American Co., p. i-xxv. Description of the shores of Kamchatka, Avacha Bay and Petro-

pavlovsk, and characteristics of the Russian administration, v. 1, p. 252-65.

Description of the social life on Kamchatka, the economic conditions of Russians and Kamchadals and possibilities of economic development; the Russian maladministration and the cruelties of the Russian American Co. toward Russian and aboriginal population; Russian relations with Chukchis; v. 2, p. 113-36, and 215-85.

Results of scientific observations on the *Nadezhda* (v. 3) includes a vocabulary of Chukchi dialects, by D. I. Koshelev, p. 381-87, a Kamchadal song, p. 388-90, and tables of meteorological observations in Petropavlovsk, Kamchatka, Aug. 30-Oct. 9, 1805, v. 3, p. 443-49.

Atlas includes world map showing route of the voyage (merc. scale on equator 1:43,000,000); shores of Kamchatka from Cape Lopatka to Cape Shipunskii (scale 1:1,000,000), with panoramic view; and plan of Avacha Bay (scale 1:85,000); pictures of Aleuts and Kamchadals.

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9378. KRUZENSHTERN, IVAN FEDOROVICH. 1770-1846. Reise um die Welt in den Jahren 1803, 1804, 1805 und 1806, auf Befehl seiner kaiserlichen Majestät Alexander des Ersten auf den Schiffen Nadesha und Neva, unter dem Commando des Capitains von der kaiserlichen Marine, A. J. von Krusenstern . . . St. Petersburg; Gedruckt in der Schnoorschen Buchdruckerey, 1810-12. 3 v.: v. 1 pub. 1810, [11], xx, 353 p.; v. 2 pub. 1811, 436 p.; v. 3 pub. 1812, iv, 376 p. also atlas volume:

Atlas zur Reise um die Welt unternommen auf Befehl seiner kaiserlichen Majestät Alexander des Ersten auf den Schiffen Nadesha und Neva, unter dem Commando des Capitains von Krusenstern. St. Petersburg, 1814. 104 plates (incl. front., maps). Double map inserted at end, reads: Allgemeine Welt Charte nach Mercators Projection, entworfen von A. I. von Krusenstern, Capitain der Russischen Marine. London, 1815.

Contents are similar to those of the Russian edition excepting that (in v. 3, scientific results) the vocabulary of Chukchi dialects is not included.

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9378A. KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846. Reise um die Welt, in den Jahren 1803, 1804, 1805 und 1806, auf Befehl seiner Kaiserl. Majestät Alexanders des Ersten, auf den Schiffen Nadesha und Nawa, unter dem Commando des Capitäns von der Kaiserl. Marine A. J. von Krusenstern . . . Zweite rechtmässige, mit Bewilligung des Verfassers veranstaltete und mit dessen Bildniss gezielte, wörtlich nach dem Original gedruckte Ausgabe. Berlin, Haude und Spener, 1811, 2 v. in 3: xlii, 450, 10 p., port.; 8, 294 p. front., 3 plates; 8, viii, 269 p., front., 8 plates.

Contents are the same as those of v. 1-2 of the item above; the volume of scientific results and the atlas volume are not included.

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9379. KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846. Viaggio intorno al mondo fatto negli anni 1803-4-5 e 1806 d'ordine di S. M. imp. Alessandro primo imperatore di Russia . . . Torino, Dalla stamperia Alliana, 1830. 7 v. in 3 (Raccolta di viaggi . . . t. LXXXIX-XCV)

Italian edition of No. 9377-9380.

Copy at: WaU.

9380. KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846. Voyage autour du monde, fait dans les années 1803, 1804, 1805, et 1806, par les ordres de sa majesté impériale Alexandre 1er, empereur de Russia, sur les vaisseaux la Nadiejeda et la Neva commandés par M. de Krusenstern . . . tr. de l'auteur et avec des additions de l'auteur; la traduction revue par M. J.-B.-B. Eyriès . . . Paris, Gide fils, 1821. 2 v. and atlas of 30 plates.

French edition of No. 9377-9381.

Copies at: ICN; WaU.

9381. KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846. Voyage around the world, in the years 1803, 1804, 1805, & 1806, by order of His Imperial Majesty Alexander the First, on board the ships Nadesha and Neva, under the command of Captain A. J. von Krusenstern . . . Translated from the original German, by Richard Belgrave Hoppner . . . London, Printed by C. Roworth for J. Murray, 1813. 2 v. in 1: xxxii, 314; 404 p.

Translation of the German edition of 1811. Narrative of first Russian cir-

cumnavigation of the globe, undertaken for the purpose of developing trade relations between the Russian fur producing area of northwestern America and China. Voyage included three as-journs totalling more than three months at Petropavlovsk, Kamchatka, in the summer of 1804 and fall of 1805.

Contents include: Introduction, v. 1, with historical sketch of exploration and trade development of Russian lands of the North Pacific, and origin and growth of the American (i.e. Russian-American) Co., p. xx-xxix.

Description of current practices of the Russian-American Co. in treatment of its employees and of the Kamchadals, v. 2, p. 104-120.

Description of current social and economic conditions of the Russians and Kamchadals in Kamchatka, including notes on health, agriculture, and the town of Petropavlovsk, v. 2, p. 215-56.

Map shows routes of the expedition in the western Pacific. This edition lacks the sections on natural history contained in v. 3 of the German edition of 1810-1812; the Chukchi vocabulary, etc., in v. 3 of the Russian edition; and the atlas volume.

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9382. KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846. Wörter-Sammlungen aus den Sprachen einiger Völker des östlichen Asiens und der Nordwest-Küste von Amerika. Bekannt gemacht von A. J. v. Krusenstern . . . St. Petersburg, Gedruckt in der Druckerey der Admiralität, 1813. 1 p. l., xi p., 1 l., 69, [1] p. *Title tr.:* Collection of words from the speech of peoples of eastern Asia and the northwest coast of America, made known by A. J. von Krusenstern.

Based on observations of Russian explorers of the early 19th century, Davydov, Khvostov, Langsdorff, Koschelev, Lisianskii, etc., evaluated (particularly Davydov and Khvostov) in the foreword.

Contents include word lists of the Chukchis (p. 31-44), the Koliushis, or Tlingit Indians (p. 45-55), and the Kinai, or Tanaina Indians, of the northwest coastal region 59°-62°N. (p. 57-67); all with German equivalents.

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KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846, *see also* Kotsebu, O. E. Entdeckungs-Reise 1815-18. 1821.

KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846, *see also* Kotsebu, O. E. Entdeckungsreise, 1815-18. 1825.

KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846, *see also* Kotsebu, O. E. Puteshestvie v ūzhnyi okean i v Beringov pr. 1821.

KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846, *see also* Kotsebu, O. E. Voyage of discovery South Sea & Bering St. 1815-18. 1821.

KRYLOV, A. N., *see* Makarov, S. O. *Ermak vo Pdakh. 1901.*

KRYLOV, M. M., *see* Chekotillo, A. M. *Primenenie snega v stroitel'nykh tselakh. 1945.*

9383. KRYLOV, V. A. Iolity i urtity Khibinskikh tundr. (*In: Khibinskie apatity, 1932. T. 4, p. 16-28, illus., tables*) *Title tr.: Iolites and urtites of Khibina tundras.*

Brief historical data on the investigations of the region, its orography, description of the rocks, their nomenclature, mineralogical composition, and chemical analyses, geology, and the urtite deposits. *Copy seen: DLC.*

9384. KRYLOVA, A. K. Priznaki neftenosti zapadnogo sektora Sovetskoi Arktiki. (*Problemy Arktiki, 1938, no. 5-6, p. 77-93, map, table*) *Title tr.: Signs of oil-bearing in the western section of the Soviet Arctic.*

Discussion of potential oil resources in Novaya Zemlya, Vaygach, Timan, and Pay-Khoi, with comparative table of analyses of hard bitumen. Map shows localities where oil or anthraxolite were discovered and those with indications of oil (p. 91).

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9385. KRYSOV, N. A. O ledokolostroeni. (*Sovetskaya Arktika, 1936, no. 7, p. 94-96, illus.*) *Title tr.: On the construction of ice-breakers.*

Discussion of special construction problems, e.g. hull reinforcement, calculation of local and general resistance, types of rudder, etc.

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9386. KRYVOI, N. O proizvodstve meikovykh pod'emov v Arktike. (*Pro-*

blemy Arktiki, 1940, no. 1, p. 44-54, diagrs.) *Title tr.: The construction of a lifting kite in the Arctic.*

The construction of the Molchanov type of kite assembly for lifting meteorographs aloft, is explained and illustrated. Methods of releasing the kite for flight and instructions for conducting this type of a aerological work are included.

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9387. KSENOFONTOV, GAVRIIL VASIL'EVICH. Kul't sumasshestviia v uralo-altaiskom shamanizme. Irkutsk, Izd. "Vlast'truda", 1929. 19 p. *Title tr.: The cult of insanity in Ural-Altaian shamanism.*

Author's observations on Yakut and Tungus shamanism, the role of insanity, and the concept of supernatural selection and training for the shaman's vocation. *Copy seen: NN.*

9388. KSENOFONTOV, GAVRIIL VASIL'EVICH. Legendy i rasskazy o shamanakh u iakutov, buriat i tungusov. (*Vsesoiuznoe geograficheskoe obschestvo. Vostochno-Sibirskii otdel. Iakutskaya sektsiia. Ocherki po izucheniiu iakutskogo kraia. Irkutsk, 1928. Vyp. 2, Addenda, p. 3-74*) *Title tr.: Legends and tales about shamans among the Yakuts, Buryats and Tungus.*

Contains a series of legends about shamans in four parts: (1) legends by the Yakuts of the Kangalass ulus; (2) legends of the Yakuts of the Viluy region; (3) traces of the cult of horned animals; (4) shaman stories of the Buryats and Tungus. An appendix provides biographical data on informants along with explanatory notes.

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9389. KSENOFONTOV, GAVRIIL VASIL'EVICH. Uraangkhai-Sakhalar; ocherki po drevnei istorii iakutov. T. 1. Irkutsk, Vostochnosibirskoe oblastnoe izd-vo, 1937. xi, 572 [2] p. *Title tr.: Uraangkhai-Sakhalar; outlines of ancient history of Yakuts.*

Contains a detailed and comprehensive study of the available data pertaining to the ancient history of the Yakuts, divided into three parts.

1. Survey of the various theories on the origin of the Yakuts, and their ancient migrations. These include the early historians, later historians, the turkologists; Yakut oral traditions, the

southern origin of the Yakuts, distribution of the Yakuts at the time of contact with the Russians.

2. The northern Yakuts: general data; cultural peculiarities; heroic poems of the reindeer-breeding Yakuts; conclusions.

3. The Vilyuy Yakuts: Introductory remarks; early stage of colonization of the Vilyuy regions; the Vilyuy as a colony of the Baykal Yakuts; later stage of Vilyuy colonization; information on the Vilyuy Yakuts from the history of central Asia; the Yakuts and the Mongolian tribes; the ethnic derivation of the Vilyuy Yakuts.

Appendices: Translation of Yakut texts; the poem, "Soluk-Bootur"; list of folklore material; the repertoire of the story-teller Peter Kolesov; examples of the Olenek folklore.

Copy seen: DLC; NN.

9390. KUCHINA, E. S. Vozrast i temp rosta semgi rek Voron'ei i Teriberki. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut ozerogo i rechnogo rybnogo khoziaistva. Izvestiia, 1935. T. 20, p. 187-204, 2 plates) *Title tr.:* The age and rate of growth of salmon in Voron'ya and Teriberka Rivers.

Results of a laboratory study, based on a collection of scales taken from salmon in these rivers of the Murman coast (Kola Peninsula). Summary in French.

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9391. KUCYNIK, JAMES. A list of bryophytes collected in the George River district, Quebec. (Bryologist, Dec. 1949. v. 52, p. 173-87)

Based on collections made by Dr. Jacques Rousseau during his trip in 1947; description of the George River (58°30'N. 66°W.) country; annotated list, with localities, of forty-two species of liverworts and mosses; bibliography (20 items).

Copy seen: DA.

9392. KUDELIN, N. Einige neue Hydroiden des Meeres von Ochotsk. (Zoologischer Anzeiger, Aug. 1913. Bd. 42, p. 333-36) *Title tr.:* Some new hydroids of the Sea of Okhotsk.

Descriptions of three species (hitherto undescribed) in the Zoological Museum of the Imperial Academy of Sciences.

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9393. KUDRIASHOV, V. V. Torfianiki Belush'ego poluoostrova (Novaya Zem-

lya). (Morskoï nauchnyi institut. Trudy, 1925. T. 1, vyp. 12, p. 107-119, illus. (map, diagrs.)) *Title tr.:* Peat bogs of the Belushiy Peninsula (Novaya Zemlya).

Contains a study of peat from three localities on Belushiy Peninsula, Novaya Zemlya, brought home by the Expedition of Floating Marine Scientific Institute in 1923, with analysis of vegetative deposits of each bog. Summary in German.

Copy seen: DF; NNM.

9394. KUDRIAVAIA, K. I. Osnovnye polozheniia dolgosrochnykh ledovykh prognozov dlia Okhotskogo moria. (U.S.S.R. Gidrometeorologicheskai sluzhba. Trudy nauchno-issledovatel'skikh uchrezhdenii, Seria 5. Gidrologiia moria, 1946. Vyp 12, p. 37-51, map, diagrs.) *Title tr.:* Basic theses of long term predictions of ice conditions for the Sea of Okhotsk.

A discussion of factors observed and methods used in ice prognoses for the Sea of Okhotsk, especially in the fall and spring periods.

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9395. KUDRIAVTSEV, I. U. K organizatsii sovkhovov na Severe. (Sovetskii Sever, 1930, no. 4, p. 48-65) *Title tr.:* Organization of state farms in the North.

Discussion of the organization of state reindeer ranges and hunting industry in the far North during the first five year plan.

Copy seen: DLC.

9396. KUDRIAVTSEV, N. V. [O Kolskom poluoostrovie]. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1883. T. 13, vyp. 2. Protokoly zasedanii, p. 99-104) *Title tr.:* [On Kola Peninsula].

Contains report of the author at a meeting of St. Petersburg Society of Naturalists, on his study of the geology and physical geography of Kola Peninsula, with data on orography, structure of river valleys and lakes, influence of glacial action and fluvial deposits, on formation of the landscape, and elevation of Kola Peninsula.

Copy seen: CU.

9397. KUDRIAVTSEV, N. V. [O poezdke na Murmanskii bereg]. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1881. T. 12, vyp. 1.

Protokoly zas'edaniï, p. 60-65) **Title tr.:** (On a trip to the Murman coast).

Contains a general account of a journey along the western coast of the White Sea to Kandalaksha and then to Kola, made by the author in 1880, during the Murman Expedition of Prof. M. N. Bogdanov; with notes on geological formations of Kola Peninsula in the region of Khibiny Mts. and Lake Imandra. **Copy seen:** DLC.

9398. KUDRIAVTSEV, V. A. Dinamika vechnoi merzloty v basseïne sredniïgo techeniïa r. Selemdzhi i svïazannye s neïu usloviïa stroitel'stva v ètom raione. (Akademiïa nauk, SSSR. Komitet po vechnoi merzlotе, Trudy, 1939. T. 8, p. 82-117, tables, diagrs.) **Title tr.:** The dynamics of permafrost in the basin of the Selemdzha River, and resulting changes in the conditions of construction in this region.

Contains description of the region (about 53°N. 132°E.), its climate, the character and distribution of permafrost. In general, permafrost in this region is in a state of degradation, though simultaneously some aggradation was encountered. It is shown that degradation is due to the favorable heat balance in the ground, caused by disappearance of natural growth and sun radiation.

Contrary to some opinions, degrading permafrost creates unfavorable conditions for construction, greatly increasing the moisture content of the ground. Measures tending to slow down this process and to promote drainage are given, also specific recommendations as to manner and time for the earth works. **Copy seen:** DGS.

9399. KUDRIAVTSEV, V. A. Ob opredelenii nizhnego granit'sy vechnoi merzloty. (Merzlotovedenie, 1947. T. 2, no. 1, p. 44-47) **Title tr.:** Determination of the lower limit of permafrost.

Contains data on new, short method of determining the lower limit of permafrost by means of temperature measurement in a bore hole, to obtain a temperature curve with a break which will coincide with the lower limit of permanently frozen soil; includes explanation of theoretical principles involved. **Copy seen:** DLC.

9400. KÜHL, C. Einige Bemerkungen über Onega (Weisses Meer). (Annalen der Hydrographie und maritimen Me-

teorologie, Juni 1897. Jahrg. 25, p. 231-33) **Title tr.:** Some remarks on Onega (White Sea).

The captain of a German commercial steamer discusses the pilot service, anchorage conditions and general lack of provisioning facilities available at the White Sea port of Onega.

Copy seen: DLC.

9401. KÜHNEL HAGEN, S. Die Godthaabexpedition, 1928. Bericht über die chemischen Arbeiten. 1. København, C. A. Reitzel, 1931. 28 p. diagr., tables, fold. map. (Meddelelser om Grønland. Bd. 78, nr. 2) **Title tr.:** The Godthaab Expedition, 1928. Report of the chemical investigations, 1.

Results of chemical analyses of water samples taken from Labrador Sea, and Davis Strait north to Upernavik during the summer of 1928.

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9402. KÜHNEL HAGEN, S. Die Godthaabexpedition 1928. Bericht über die chemischen Arbeiten. 2. Verteilung von Phosphat und Nitrat im Gewässer zwischen Grønland und Kanada. København, C. A. Reitzel, 1936. 36 p. diagrs., fold. map, tables. (Meddelelser om Grønland. Bd. 78, nr. 4) **Title tr.:** The Godthaab Expedition 1928. Report on the chemical investigations. 2. The distribution of phosphate and nitrate in the waters between Greenland and Canada.

Results of chemical analyses of surface and vertical samples taken during July-Sept. 1928 in Baffin Bay, Smith Sound, Disko Bay, Melville Bay, Lancaster Sound, Jones Sound.

Copy seen: DLC.

9403. KUEHNELT-LEDDIHN, ERIK R. von. Cities and towns of Alaska. (Geographical review, July 1946. v. 36, p. 270-90, illus., sketch map)

Report on observations made in the summer of 1945, and facts drawn from published documents and papers, on the size, character, activity and possible future of Ketchikan, Metlakatla, Juneau, Sitka, Valdez, Cordova, Palmer (Matanuska), Anchorage, Fairbanks, and Nome. **Copy seen:** DLC.

9404. KÜKENTHAL, GEORG. Cyperaceae Sibiriae subfamilia Caricoideae Pax. (Russkii botanicheskii zhurnal, 1910. No. 7-8, p. 73-94, illus.; 1911, no. 3-6, p. 29-199) **Title tr.:** Siberian

Cyperaceae of subfamily Caricoideae Pax.

Contains a monographic treatment of Siberian representatives of the sedge family (Cyperaceae) belonging to the subfamily Caricoideae with keys, synonymy, Latin descriptions and data on geographical distribution, including the arctic regions.

Copy seen: MH-A.

9405. KÜKENTHAL, WILLY, 1861-1922. Die Alcyonaceen. Zoologische Ergebnisse einer Untersuchungsfahrt (etc.) nach der Bäreninsel und Westspitzbergen, ausgeführt im Sommer 1898 auf S. M. S. "Olga". VII. (Wissenschaftliche Meeresuntersuchungen, 1908, Neue Folge, Bd. 8, Abt. Helgoland, p. 17-30, illus., plate) *Title tr.:* The alcyonaceans. Zoological results of a research expedition (etc.) to Bear Island and West Spitsbergen in the summer of 1898 on S. M. S. "Olga". VII.

Contains a list, with synonymy, descriptions and a discussion of reclassification, of five species of soft corals; with an arrangement by station number, showing position, depth, and type of bottom.

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9406. KÜKENTHAL, WILLY, 1861-1922, and others. Beiträge zur Fauna Spitzbergens. Resultate einer im Jahre 1886 unternommenen Reise. (Archiv für Naturgeschichte, 1889, Jahrg. 55, Bd. 1, p. 125-68, plates) *Title tr.:* Contributions to Spitsbergen fauna. Results of a trip in 1886.

The author, aboard a Norwegian whaler, dredged in Advent Bay and other nearby waters, during July-August, and brought back a collection of marine fauna, here described.

Contents tr.: MARENZELLER, E. v. Spitsbergen Annelida.

MEYER, E. Terebelloidea.

TRAUTZSCH, H. Polynoidea from Spitsbergen.

KÜKENTHAL, W. Opheliids.

COBB, N. A. New parasitic nematodes.

VOSSELER, J. Amphipoda and Isopoda from Spitsbergen.

GIESBRECHT, W. Pelagic copepods.

KÜKENTHAL, W. Some notes on *Hyperoodon rostratus* Lilljeborg and *Beluga leucas* Gray.

Each of these papers appears in this Bibliography under its author's name.

Copy seen: DSI-M.

9407. KÜKENTHAL, WILLY, 1861-1922. Bericht über die von der Geographischen Gesellschaft in Bremen im Jahre 1889 veranstaltete Reise nach Ostspitzbergens (Dr. Kükenthal und Dr. Walter). (Petermanns geographische Mitteilungen, 1890. Bd. 36, p. 61-75, fold. map) *Title tr.:* Report on Geographical Society of Bremen Expedition to East Spitsbergen, 1889 (Dr. Kükenthal and Dr. Walter).

Contains account of the voyage, May-Aug., 1889, along the west coast of West Spitsbergen to Magdalene Fiord, and return, and to Edge Island, Barents Islands, Hinlopen Strait, King Karl's Land and Olga Strait. Includes descriptions of the physical features, rocks, vegetation, etc., of the south and east coasts of Edge Island (with a list of thirty-one plants), the east coast of Barents Island, King Karl's Land and the east coast of West Spitsbergen from Barents Island northward. Includes also remarks and data on the bathymetry, currents, and water temperatures of Olga Strait.

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9408. KÜKENTHAL, WILLY, 1861-1922. Bericht über die von der Geographischen Gesellschaft in Bremen veranstaltete Forschungsreise in das europäische Eismeer (Dr. Kükenthal und Dr. Walter). (Deutsche geographische Blätter, 1890. Bd. 13, p. 1-92, 2 plates, fold. map) *Title tr.:* Report of the Bremen Geographical Society Expedition to the European Arctic Ocean (Dr. Kükenthal and Dr. Walter).

The expedition in the *Berentine* and later the *Cecile Malene* cruised from Tromsø to Magdalene Fiord, northwestern West Spitsbergen, thence south and east to Whale Point on southwest Edge Island. The greater part of the summer was spent in zoological, oceanographic, meteorologic and geographic research on Edge, Barents, and Ryke Yse Islands, on King Karl's Land, and in Olga Strait.

Author gives an account of the cruise, reporting weather and ice conditions encountered, natural history and whaling or other fishing; brief but informative descriptions of the southeast coast of Edge Island, King Karl's Land, Ryke Yse Islands, and the east coast of Barents and Edge Islands; list of plants collected; and data on the depths, currents, and the water and

air temperatures of Olga Strait and lower end of Hinlopen Strait.

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9409. KÜKENTHAL, WILLY, 1861-1922. Bericht über eine Reise in das nördliche Eismeer und nach Spitzbergen im Jahre 1886. (Deutsche geographische Blätter, 1888. Bd. 11, p. 1-43, plate) *Title tr.:* Report on a voyage in the Arctic Ocean and to Spitsbergen, in 1886.

The author sailed aboard a Norwegian whaler, *Hvidfisken*, Apr.-Aug. to make independent zoological observations in Svalbard waters and Greenland Sea. He gives here an account of daily activities of the whalers, description of the fiords along the west coast of Spitsbergen, and notes on the marine fauna, land mammals and birds.

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9410. KÜKENTHAL, WILLY, 1861-1922. Einige Notizen über *Hyperoodon rostratus* Lilljeborg und *Beluga leucas* Gray. (In his: Beiträge zur Fauna Spitzbergens. *Pub.* in Archiv für Naturgeschichte, 1889. Jahrg. 55, Bd. 1, p. 165-68) *Title tr.:* Some notes on *Hyperoodon rostratus* Lilljeborg and *Beluga leucas* Gray. (Contributions to Spitsbergen fauna).

Descriptive notes on a whale of northern Greenland Sea and the white whale of Svalbard waters.

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9411. KÜKENTHAL, WILLY, 1861-1922. Das nördliche Eismeer und Spitzbergen. (Gesellschaft für Erdkunde zu Berlin. Verhandlungen, 1887. Bd. 14, p. 261-72) *Title tr.:* The Arctic Ocean and Spitsbergen.

Account of the author's voyage on a whaler, May-Aug., 1886, in the Greenland Sea; description of the whaling, and of ice conditions in Ice Fiord, West Spitsbergen, where the ship was held for several weeks by the ice.

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9412. KÜKENTHAL, WILLY, 1861-1922. Opheliiden. (In his: Beiträge zur Fauna Spitzbergens. *Pub.* in: Archiv für Naturgeschichte, 1889. Jahrg. 55, Bd. 1, p. 147-48) *Title etc. tr.:* Opheliids. (Contributions to Spitsbergen fauna)

Description of two (one new) species of polychaetous annelids, collected during the author's zoological trip in 1886.

Copy seen: DSI-M.

9413. KÜKENTHAL, WILLY, 1861-1922. Über die Aufgaben zoologischen Forschung im nördlichen Eismeer. (Deutsche geographische Blätter, 1889. Bd. 12, p. 1-4) *Title tr.:* On problems of zoological research in the Arctic Ocean.

General discussion of the interest in arctic biology, changing from classic taxonomy to comparative morphology, ecology, and zoogeography.

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9414. KÜKENTHAL, WILLY, 1861-1922. Über seine Reise nach Ostspitzbergen im Jahre 1889. (Gesellschaft für Erdkunde zu Berlin. Verhandlungen, 1890. Bd. 17, p. 48-55) *Title tr.:* On his trip to East Spitsbergen, in 1889.

A lecture to the Society, giving an account of the Geographical Society of Bremen Expedition in 1889, which explored the east coast of West Spitsbergen, Edge Island and King Karl's Land.

Copy seen: DLC.

9415. KÜKENTHAL, WILLY, 1861-1922. Die Wale der Arktis. (In: Fauna arctica, 1900. Bd. 1, p. 179-234, (illus.) Based on published accounts and studies.

Contains a full discussion of the morphology of whales, and a list, with synonymy and descriptions of twelve species found in arctic seas.

Copy seen: DA.

9416. KÜKENTHAL, WILLY, 1861-1922. Zur Kenntnis der Alcyonarien des sibirischen Eismeres. St.-Petersbourg, 1909. 1 p. 1., 7 p. (Russkaja poljarnaia ekspeditsiia, 1900-1903. Resultats scientificques. Sect. E, vol. 1, livr. 15. *Pub.* as: Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 15) *Title tr.:* On the Alcyonaria of the Siberian Arctic Ocean.

Contains a systematic, annotated list, with synonyms, references, and localities, of five species of these coelenterates from the Barents, Kara and Laptev Seas and the Arctic Basin north of the New Siberian Islands.

Copy seen: DSI.

9417. KÜKENTHAL, WILLY, 1861-1922, and A. WALTER. Die von der Bremer geographischen Gesellschaft veranstaltete zoologische Forschungsreise in das nördliche Eismeer.

(Deutsche geographische Blätter, 1889. Bd. 12, p. 81-89, 205-16) *Title tr.*: The Bremen Geographical Society Zoological Expedition to the Arctic Ocean.

Contains in pt. 1, a report on preparations, equipment, and the visit to Tromsø before sailing in the yacht *Berentine*.

Pt. 2. Letters from Dr. Kükenthal on the course of the voyage along the western coasts of West Spitsbergen and back to the eastern waters where research was carried out on Olga Strait, King Karl's Land and the Ryk Yse Islands; with a description of the physical features of King Karl's Land.

Copy seen: DLC.

KÜKENTHAL, WILLY, 1861-1922, *see also* Walter, A. Ornithologische Ergebnisse Bremer Reise. 1890.

9418. KUITUNEN-EKBAUM, E., and ZOË W. FLEMING. A note on trichinosis in dogs of the Canadian North. (Canadian journal of public health, Dec. 1949. v. 40, p. 514-15)

Infection discovered in two of four animals examined. *Copy seen:* DSG.

KUITUNEN-EKBAUM, E., *see also* Brown, M., & others. Intestinal parasites of Eskimos. 1948.

KUITUNEN-EKBAUM, E., *see also* Brown, M., & others. Note on trichinosis animals Canadian NWT. 1949.

KUITUMEN-EKBAUM, E., *see also* Brown, M., & others. Trichinosis on Southampton I., N. W. T. 1949.

9418A. KULAGIN, A. N. Reis ledokola "Stalin" v Grenlandskoe more zimoi 1939/40 g. (Problemy Arktiki, 1940, no. 2, p. 126-31, illus. map) *Title tr.*: Voyage of the ice-breaker *Stalin* in the Greenland Sea in the winter of 1939/40.

Account of the trip of the *Stalin* to liberate the *Sedov*.

Copy seen: DLC.

9419. KULAGIN, NIKOLAI. Über einige im europäischen Russland und in Sibirien vorkommende Arten von Regenwürmern. (Akademiā nauk SSSR. Bulletin, 1890. Sér. 4, t. 1, p. 181-90) *Title tr.*: About several species of earthworms that occur in European Russia and in Siberia.

Based on a study of the collection in the Imperial Academy of Sciences.

Zoological Museum. Remarks on the interrelationships of northern species and a list, with synonyms, references, notes and localities throughout Eurasian Arctic, of seven species of earthworms.

Copy seen: DLC.

9420. KULAKOV, P. E. Rybnyi promysel i torgovliā v Turukhanskom kraie. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1898. T. 34, p. 665-91) *Title tr.*: Fisheries and the fish trade in the Turukhansk region.

Discussion of the fisheries of the lower Yenisey (with annotated list of eleven commercially valuable fishes), techniques used, organization of the industry, costs and prices, need of social justice in the treatment of the aborigines employed and the inadequacy of transportation on the Yenisey as a limiting factor in development of the industry.

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9421. KULAKOV, V. S. V kratere deistvuiushchego vulkana. (Akademiā nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Seriia nauchno-populiarnaiā. Na Kamchatka. 1936, p. 159-70, illus.) *Title tr.*: In the crater of an active volcano.

A description of the ascent of the Klyuchevskaya Sopka volcano and the descent into its crater, by a party of the Kamchatka Complex Expedition, 1935.

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9422. KULCZYŃSKI, WLADISLAW. Araneae et Oribatidae Expeditionum rossicarum in Insulas Novo-Sibiricas annis 1885-1886 et 1900-1903 susceptorum. St.-Petersbourg. 1908. 2 p. l., 97 p. 3 plates. (Russkaiā poliarnaiā ekspeditiia, 1900-1903. Resultatsy scientificques. Sect. E, vol. 1, livr. 7. Pub. as: Akademiā nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 18, no. 7) *Title tr.*: Araneae and Oribatidae of the Russian expeditions to the New Siberian Islands, 1885-86 and 1900-1903.

Based on collections of the Imperial Academy of Sciences Expeditions to the Yana region and New Siberian Islands, 1885-86, and the Russian Polar Expedition, 1900-1903.

Contains a list, with localities, of sixty-six species of spiders and two species of wood mites collected on the west side of Taymyr Peninsula, between the mouths of the Lena and Yana Rivers, in the Yana basin, and

on the New Siberian Islands. Includes descriptions of forty-nine (including thirty-two new) and little-known species of the spiders. **Copy seen:** DSI.

9423. KULCZYŃSKI, WLADISLAW. Araneae Sibiriae occidentalis arcticae. Petrograd, 1916. 1 p. 1. 44 p. 2 plates. *Ékspeditsiia brat'ev Kuznetsovskikh na pol'arnyi Ural*, 1909. *Résultats scientifiques*. Livr. 11. **Pub. as:** Akademiia nauk SSSR. Mémoires. Sér. 8, classe physico-mathématique, vol. 28, no. 11) **Title tr.:** Araneae of the Siberian western Arctic. (Scientific results of the Expedition of the Kuznetsov Brothers to the Arctic Ural, 1909)

Contains an annotated list, with synonyms, references and localities, of forty-nine (including with descriptions, six new) species and varieties of spiders and oribatid mites from the Kara and Obdorsk Tundras.

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9424. KULCZYŃSKI, WLADISLAW. Zoologische Ergebnisse der Russischen Expeditionen nach Spitzbergen. Araneae et Oribatidae. (Akademiia nauk SSSR. Zoologicheskii musei. *Ezhegodnik*, 1902. T. 7, p. 335-54, plate) **Title tr.:** Zoological results of the Russian Expedition to Spitzbergen. Araneae and Oribatidae. Text in Latin.

Based on observations and collections of the Russian Expedition for the Measurement of an Arc of Meridian, 1899. A classified, fully annotated list, with synonyms and descriptions of five species of spiders and five (including one new) species of mites.

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9425. KULIK, N. A. Uralo-Païkhoïskaiâ geologicheskaiâ ékspeditsiia 1937 goda. (Problemy Arktiki, 1938, no. 2, p. 198-202) **Title tr.:** Ural-Paykhoy Geological Expedition, 1937.

A note on the work of the expedition in Yugor Peninsula (Archangel Province), with a short description of the geological formation of the region and a reference to possible oil deposits.

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9426. KULIK, N. A. Verkhniï silur Vaigacha. (Leningrad. Vsesoiuznyi arkticheskii institut. *Trudy*, 1936. T. 49, p. 7-30, sketch map) **Title tr.:** The Upper Silurian of Vaygach Island.

Based on extensive paleontological material collected, 1914-33, the author

distinguishes nine horizons in two wide zones along the eastern and western coasts of the island, and establishes their age by correlation with deposits on Novaya Zemlya, in the western Urals and elsewhere. Bibliography (51 items). Summary in English.

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KULIK, N. A., *see also* Fredericks, G. N. *Davisiella gigantea*. 1926.

KULIK, N. A., *see also* Iakovlev, N. N. *Dva novykh roda morskikh lilii*. 1928.

9427. KULIKOVSKII, G. I. O kul'te medvedia. (*Étnograficheskoe obozrënie*. 1890. v. 2, no. 1, p. 113-15) **Title tr.:** The bear cult.

Contains supplementary remarks to the article by N. Iadrintsev, *O kul'te medvedia*, 1890, q.v., on the bear cult among the Lapps. The prevalence of the idea of the bear as a "transformed man" is indicated, and comparative data from other groups given.

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9428. KULLANDA, V. R. Priroda zheleza v nefelinovoi chasti khibinskoï apatito-nefelinovoi rudy. (*In:* Khibinskii apatity, 1931. T. 3, p. 45-51, tables, diagrs.) **Title tr.:** The nature of the iron in the nepheline section of Khibina apatite-nepheline ore.

Description of experiments for obtaining pure nepheline and for determining the iron content of nepheline proper.

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9429. KULLING, OSKAR, 1898-. An account of the localities of the Upper Devonian vertebrate finds in East Greenland in 1929. København, C. A. Reitzel, 1931. 14 p. illus. (Meddelelser om Grønland. Bd. 86, nr. 2)

Geological descriptions of ten localities in the Franz Joseph Fiord region of East Greenland (with enumeration of species found at each locality); source of finds is discussed in Stensiö's *Upper Devonian vertebrates from East Greenland*, q.v.

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9430. KULLING, OSKAR, 1898-. Bidrag til fjordarnas uppkomst och utvecklingshistoria inom nordöstra Grönland. (Geologiska föreningen. *Förhandlingar*, 1930. Bd. 52, p. 351-56)

Title tr.: Contribution to the origin and development of the fiords of northeast Greenland.

Discussion (based on the author's remarks at a lecture by Professor H. Backlund and on his investigations during the Danish Expedition to East Greenland, 1929) of the formation through block faulting of the East Greenland fiords between Jameson Land (71°N.) and Clavering Island (about 74°15'N.); with remarks on their age and denudation.

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9431. KULLING, OSKAR, 1898-. The "Hecla Hoek Formation" round Hinlopenstredet (NW. North-East Land and NE. West Spitsbergen). (Scientific results of the Swedish-Norwegian Arctic Expedition, 1931. Pt. 11. *Pub.* in *Geografiska annaler*, 1934. Årg. 16, p. 161-254, illus. incl. photos., maps, diagrs. 2 fold. maps)

Accompanied by geological maps of the Hinlopen Strait area and of Murchison Fiord on North East Land, and a bibliography.

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9432. KULLING, OSKAR, 1898-. Några geologiska resultat från expeditionen till Nordostlandet 1931. (Geologiska föreningen. Förhandlingar, 1932. Bd. 54, p. 138-46) *Title tr.*: Some geological results from the expedition to Northeast Land, 1931.

Lecture, describing the geological trips made on the Swedish-Norwegian Expedition to Northeast Land in 1931, and the geology of the island, with special emphasis on the stratigraphy and age of the Hecla Hoek formations.

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9433. KULLING, OSKAR, 1898-. De nordöstgrönländska fjordarnas problem. Svar på H. G. Backlunds kritik. (Geologiska föreningen, Stockholm. Förhandlingar, 1931. Bd. 53, p. 209-19) *Title tr.*: The problem of the fiords of northeast Greenland.

Reply to H. G. Backlund's *Fjordbildningsproblemet i NO-Grönland*, 1931, q.v., concerning their disagreement on the origin and age of the East Greenland fiords; with Backlund's final remarks, p. 218-19.

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9434. KULLING, OSKAR, 1898-. Observations on raised beaches and their faunas. (Scientific results of the Swedish-Norwegian Arctic Expedition . . . 1931. Pt. 12 [1]. *Pub.* in *Geografiska annaler*, 1936. Årg. 18, p. 1-7, illus.)

Observations from eleven localities and Hinlopen Strait.

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9435. KULLING, OSKAR, 1898-. Stratigraphic studies of the geology of northeast Greenland. (*In*: *Östgrönlandske expedition til Kong Christian den X's land*, 1929. Preliminary report no. 4. *Pub.* in *Meddelelser om Grønland*, 1930. Bd. 74, p. 317-46)

Geological description of East Greenland from Tiroler Fiord in the north to King Oscar Fiord in the south (74°-72°N.).

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9436. KULLING, OSKAR, 1898-. Studier över den kaledoniska fjälldjans stratigrafi och tektonik inom norra delen av svenska Lappland. (Geologiska föreningen. Förhandlingar, 1930. Bd. 52, p. 647-73, illus., sketch map, fold. plate (profile sketch) *Title tr.*: Studies of the stratigraphy and tectonics of the Caledonian range in the northern part of Swedish Lapland.

Stratigraphic and structural geology of the regions around Torneträsk and Rautasjaure, lakes in northern Sweden.

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9436A. KULLING, OSKAR, 1898-. Über präkarbonische Klimazeugnisse von Svalbard (Bäreninsel, Spitzbergen, Nordostland, sowie nahegelegende Inseln). International Geological Congress. 17th, Moscow and Leningrad, 1937. Report, 1939. v. 6, p. 125-30) *Title tr.*: On evidence of pre-Carboniferous climate from Svalbard (Bear Island, Spitsbergen, Northeast Land, and neighboring islands).

Discussion of paleoclimate based on the Hecla Hook, Devonian and Devonian formations of Svalbard.

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9437. KULTURNOE STROITEL'STVO NA KRAINEM SEVERE. (*In*: *Krainii Sever* k 1934 g. p. 46-49, tables) *Title tr.*: Cultural development in the far North.

Survey of educational activity in the far North of U.S.S.R. (Murmanskii okrug, and northern parts of Severnyy Kray, Obsko-Irtyshskaya Oblast', Zapadno-Sibirskiy Kray, Vostochno-Sibirskiy Kray, Yakut ASSR, and Dal'nevostochnyy Kray) in 1933-34. Includes statistics on literacy (comparing 1926-27 with 1933-34), on children of school age, and on schools.

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9438. KUMLIEN, LUDWIG, 1853-1902. Birds. (*In: Kumlien, L., and others. Contributions to natural history of arctic America. Pub. in U. S. National Museum. Bulletin, 1879. No. 15, p. 69-105*)

Annotated list (with Eskimo names indicated) of eighty-four birds seen or collected in Labrador Sea, Davis Strait and Cumberland Sound, during the Howgate Polar Expedition 1877-78.

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9439. KUMLIEN, LUDWIG, 1853-1902, and others. Contributions to the natural history of arctic America, made in connection with the Howgate Polar Expedition, 1877-78. Washington, U. S. Govt. Print. Off., 1879. 179 p. (U. S. National Museum. Bulletin No. 15) Issued also as Smithsonian miscellaneous collections, v. 23, art. 5. Smithsonian Institution publication 342.

Scientific results of the Howgate Polar Expedition to the Cumberland Sound region of Baffin Island (under Captain G. E. Tyson, q.v.), on which the author served as naturalist and O. T. Sherman as meteorologist.

Contents: KUMLIEN, L. Introduction. Ethnology. Mammals. Birds.

BEAN, T. H. Fishes.

SMITH, S. I. Crustacea.

VERRILL, A. E. Annelides.

DALL, W. H. Mollusks.

VERRILL, A. E. Molluscs. Radiates.

EDWARDS, W. H. Insects: diurnal Lepidoptera.

SCUDDER, S. H., and others. Insects: Hymenoptera, etc.

GRAY, ASA. Plants.

TUCKERMAN, E. Lichens.

FARLOW, W. G. Algae.

ENDLICH, F. M. Minerals.

Each paper appears in this Bibliography under its author's name.

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9440. KUMLIEN, LUDWIG, 1853-1902. Ethnology, fragmentary notes on the Eskimo of Cumberland Sound. (*In: Kumlien, L., and others. Contributions to the natural history of arctic America. Pub. in U. S. National Museum. Bulletin, 1879. No. 15, p. 11-46*)

Notes on customs of local Eskimos made during the wintering of the Howgate Polar Expedition, 1877-78, in the Cumberland Sound region of Baffin Island.

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9441. KUMLIEN, LUDWIG, 1853-1902. Mammals, fragmentary notes on the mammalia of Cumberland Sound. (*In: Kumlien, L., and others. Contributions to the natural history of arctic America. Pub. in U. S. National Museum. Bulletin, 1879. No. 15, p. 47-67*)

Notes on several land mammals, also on seals and whales, made during the wintering of the Howgate Polar Expedition, 1877-78.

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9442. KUMLIEN, LUDWIG, 1853-1902. Report of explorations in Greenland. (Smithsonian Institution. Annual report, 1878, *pub.* 1879. p. 452-54)

Summary account of Kumlien and Sherman's expedition to Baffin Island and Greenland, 1878-79; the wintering at the head of Cumberland Sound, specimens of seals and birds collected, with mention of other results of the expedition.

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KUMMEL, BERNHARD, *see* Miller, A. K., & B. Kummel. New genus Early Paleozoic cephalopods Alaska. 1945.

9443. KUPFFER, A. T. Observations météorologiques faites à Arkhangel (lat. 64°32', long. 38°14' à l'est de Paris). (Akademiâ nauk SSSR. Mémoires, 1844. Sér. 6, Sciences mathématique et physique, t. 3, p. 379-621 incl. tables) *Title tr.:* Meteorological observations made at Archangel.

Tables of monthly maximum, minimum, mean, and mean of all observations, June 1813-Dec. 1931, of atmospheric pressure, and air temperature; three-times daily (irregular) barometer-temperature and pressure, direction and force of wind, and clouds (some dates).

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9444. KUPFFER, A. T. Observations météorologiques, faites à Sitka, sur la côte N. O. de l'Amérique (latitude 57°3' longitude 222°15' à l'est de Paris). (Akademiâ nauk SSSR. Mémoires, 1850. Sér. 6, Sciences mathématique et physique, t. 4. Appendice, p. 1-144, incl. tables) *Title tr.:* Meteorological observations made at Sitka, on the northwest coast of America.

Contains a brief discussion of the data, 1833-42, and tables of monthly, mean, extremes and differences for barometric pressure, air temperature and wind, and four-times daily observations on all these elements and clouds.

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9445. KUPFFER, C. Tunicata. (*In*: Geographische Gesellschaft in Bremen. Die zweite deutsche Nordpolarfahrt in den Jahren 1869 und 1870. 1874. Bd. 2, p. 244-45)

Descriptions of two species (one new) from Germania Havn and Shannon Island, East Greenland.

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9446. KUPFFER, M. A. F. v. Wrangel's Beobachtungen der stündlichen Variationen der Abweichung zu Sitka, auf der Nordwestküste Amerika's. (*Annalen der Physik*, 1834. Ser. 2, Bd. 31, p. 193-98, 2 fold. tables) *Title tr.*: F. v. Wrangel's observations of hourly variations of magnetic deviation at Sitka on the north-west coast of America.

Contains a tabulation and discussion of declination observations made every 20 minutes at Sitka on Dec. 21-22, 1832, Feb. 3-4, Mar. 21, and May 4-5, 1833.

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9447. KUPFFER, M. A. Note on the mean temperature and barometric height of Sitka, on the north-west coast of America. (*London and Edinburgh philosophical magazine and journal of science*, Dec. 1832. Ser. 3, v. 1, p. 427-28) German translation published in: *Notizen aus dem Gebiete der Natur- und Heilkunde*, 1833. Bd. 30, col. 273-74.

Monthly maxima and minima, and annual means for 1828.

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9448. KUPFFER, M. A. Notiz über die mittlere Temperatur und Barometerhöhe in Iluluk auf der Insel Unalaschka (Breite 53°, Länge 210° östliche von Ferro). (*Annalen der Physik*, 1831. Ser. 2, Bd. 23, p. 114-19; also in: *Notizen aus dem Gebiete der Natur- und Heilkunde*, 1833. Bd. 30, col. 275-76) *Title tr.*: Note on the mean temperature and barometric height at Iluliuk on Unalaska Island. Translation in English was published in: *London and Edinburgh philosophical magazine and journal of science*, Dec. 1832, ser. 3, v. 1, p. 429-31.

Contains monthly summaries of pressures and temperatures for Iluliuk, Oct. 1827-June 1829, and for Sitka, 1828; with wind direction frequencies for Iluliuk over the period of one year.

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9448A. KUPLETSKII, B. M. The Arkhanta pyroxenite intrusion. (*In*: P. Kanov, A. A., *editor*. The northern excursion; Kola Peninsula. p. 41-50, tables, diagrs. *Pub.* as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 2]) Translation of his *Piroksenitovaiâ intruziia u st. Arkhanta*, 1937, q.v. *Copy seen*: DLC.

9449. KUPLETSKII, B. M. Arfvedsonitovyî porfir iz ushel'ia Gakmana v Khibinskikh tundrach. (*Akademiia nauk SSSR. Bulletin*, april-mai, 1927. Sér. 6, t. 21, p. 579-92, tables, diagrs.) *Title tr.*: Arfvedsonite porphyry from the Gakman Gorge of the Khibina tundras.

Chemical and microscopic analysis of specimens found by the Fersman Expedition of 1921 and 1923 to the Khibiny Mts.; chemical analysis of the mineral constituents of the rocks.

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9450. KUPLETSKII, B. M. Diabazovye porody doliny Rusanova i guby Krestovoi na Novoi Zemle. (*Akademiia nauk SSSR. Geologicheskii institut. Trudy*, 1932. T. 1, p. 133-45, tables) *Title tr.*: The diabase rocks of the Rusanov valley and Krestovaya Fiord in Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences in 1925. Microscopical description of diabases collected in Krestovaya Bay and Rusanov valley; their mineralogy and results of chemical analyses. Summary in English.

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9451. KUPLETSKII, B. M. Geograficheskii ocherk, rel'ef i orografiia Khibinskikh i Lovozerskikh tundra. (*In*: Fersman, A. E. Khibinskie i Lovozerskie tundry. T. 2. *Pub.* in Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1928. Vyp. 39, p. 3-45, illus. (maps)) *Title tr.*: A geographic sketch, relief and orography of Khibina and Lovozersk Tundras.

Results of field work of the Northern Scientific and Economic Expedition, 1920-1926, in the central region of Kola Peninsula: a general description of the physical geography and land forms. Summary in English, p. 381.

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9452. KUPLETSKII, B. M. Geologicheskoe stroenie Kukisvumchorra po

dannym rabot 1930 goda. (In: Khibinskie apatity, 1932. T. 2, p. 392-95) *Title tr.:* The geological structure of Kukisvumchorr according to data from surveys in 1930.

Brief account of the results of a geological survey by the Kola Expedition in 1930; data on petrographic structure and mineral resources of Kukisvumchorr Mountain.

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9453. KUPLETSKII, B. M. Geologo-petrograficheskai kharakteristika Chuna-tundra na Kol'skom poluostrove. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1933. Serii kol'skaia, vyp. 5; Materialy po petrografii i geokhimii Kol'skogo poluostrova, p. 5-53, chast' 3, 6 plates, fold. col. map) *Title tr.:* Geological and petrographic description of Chuna Tundra in Kola Peninsula.

Results of field work of the Kola Expedition 1931: description of Chuna Tundra, the southern section (extending about 30 km. north-south) of the massif west of Lake Imandra. Includes remarks on Moncha Tundra and Wolf Tundra as the northern section. *Map*, 1:200,000. Summary in German.

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9454. KUPLETSKII, B. M. Issledovanie Khibinskikh i Lovozerskikh tundr. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1928. T. 60, p. 213-15) *Title tr.:* Exploration of the Khibina and Lovozero Tundras.

A sketch of the geomorphology of the Khibina and Lovozero elevations, and of the principal results of the mineralogical expeditions 1920-26 led by A. E. Fersman for the Northern Scientific and Economic Expedition and the Mineralogical Museum of the Academy of Sciences.

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9455. KUPLETSKII, B. M. Kislye porody reki Kolymy. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1935. Serii iakutskai, vyp. 24: Kolymskai geologicheskai ekspeditsiia, 1929-1930, t. 1, chast' 3, p. 3-64, illus. (incl. map), tables) *Title tr.:* Acid rocks of the Kolyma River.

A petrographic description and chemical analyses of acid rocks based on the collection made by S. V. Obruchev, during the Kolyma Geological Expedition, 1929-1930; with the geological account

taken from the author's field notes. Summary in English.

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9456. KUPLETSKII, B. M. Kukisvumchorr i prilegaiushchie k nemu massiv tsentral'noi chasti khibinskikh tundr. po s'emkam 1929 i 1930 gg. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Serii kol'skaia, vyp. 2: Materialy po petrografii i geokhimii Kol'skogo poluostrova, chast' 1, p. 5-72, fold. plate, fold. map) *Title tr.:* Kukisvumchorr Mountain and adjoining massifs of the central section of Khibina tundras according to surveys of 1929 and 1930 of this region.

A petrographic description of this section of Kola Peninsula and chemical analysis of minerals, also a geological map, 1:100,000.

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9457. KUPLETSKII, B. M. Materialy k petrografii vodorazdela mezhdru oz. Imandra i Belym morem v raione Kandalaksha-Kolviša. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Serii kol'skaia, vyp. 2: Materialy po petrografii i geokhimii Kol'skogo poluostrova, chast' 1, p. 105-114, map) *Title tr.:* On the petrography of the watershed between Lake Imandra and White Sea in Kandalaksha-Kolviš region.

A petrologic sketch of this region of southeastern Kola Peninsula based on collections made by N. N. Gutkova, G. D. Rikhter, and others, 1929-30.

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9458. KUPLETSKII, B. M. Materialy po petrografii Novo-Sibirskikh ostrovov. (Akademiia nauk SSSR. Geologicheskii muzei. Trudy, 1930. T. 7, p. 9-53, 3 plates, sketch map) *Title tr.:* Material on the petrography of the New Siberian Islands.

Based on a study of rocks collected by Russian expeditions, 1886-1903, and deposited in the Geological Museum of the Academy of Sciences, U.S.S.R. Results of microscopic and chemical investigations which showed eruptive rocks of five types: (1) plagioclase granite and granodiorite, (2) diabase, (3) teschenite, (4) liparite, and (5) basalt; with discussion of their correlation. Summary in German.

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9459. KUPLETSKII, B. M. Melilitovye porodny v shchelochnom komplekse Enskogo raiona Kol'skogo poluostrova. (Akademiia nauk SSSR. Izvestiia, 1948. Seriiu geologicheskaiu, no. 3, p. 99-120, illus., diagr.) *Title tr.:* Melilit rocks in the basic complex of the Enskiy region of Kola Peninsula.

Account of the sequence of crystallization, composition, and genetic relations of melilit rock masses in the peripheral zone of ultrabasic intrusions of the Ensk iron district, 67°33'N. 30°-31'E. — Geological Society of America. Bibliography and index of geology.

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9460. KUPLETSKII, B. M. Palagonitovye bazal'ty Timana. (Akademiia nauk SSSR. Institut geologicheskikh nauk. Trudy, 1940. Vyp. 25, petrograficheskaiu seriiu 8, p. 7-23, illus., 2 plates) *Title tr.:* The palagonite basalts of Timan.

"Three types of palagonite basalts of Timan (Arkhangel'skaya Oblast') are differentiated on the basis of the different forms of the palagonite inclusions. It is concluded that palagonite is not a devitrified basaltic glass, but was formed in the late stage of differentiation of basalt magma rich in water vapors."—Geological Society of America, Bibliography and index of geology.

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9461. KUPLETSKII, B. M. Petrograficheskii ocherk Khibinskikh tundr. (In: Fersman, A. E. ed. Khibinskie i Lovozerskie tundry. T. 2, pub. in: Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1928. Vyp. 39, p. 76-202, 3 plates, tables, diagrs.) *Title tr.:* A petrographic sketch of Khibina tundras.

A detailed study of rocks of the Khibina massif, with discussions on the geology and a summary of chemical and quantitative mineralogical analyses of alkaline rocks of the region. Results of the Northern Scientific and Economic Expedition, 1920-1926. Summary in English, p. 382-84.

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9462. KUPLETSKII, B. M. Piroksenitovaiu intruziia u st. Afrikanda. (Mezh-dunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. Severnaiu ekskursiia. Chast' 2, Kol'skii poluostrov. Leningrad, 1937, p. 40-50, illus., tables)

Title tr.: The Afrikanda pyroxenite intrusion.

Geological outline of the massif located 70 km. southwest of Kirovsk, characterized by the presence of alkaline pegmatites and the occurrence of titanite ores. Tables show the quantitative mineralogical composition of rocks in several sections of the intrusion and the results of chemical analysis of the minerals found. Also published in English with title as above, q.v.

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9463. KUPLETSKII, B. M. Rezul'taty opredelenii petrograficheskikh sborov Geografo-razvedochnogo otriada Kol'skoi ekspeditsii 1930 g. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1933. Seriiu kol'skaiu, vyp. 6: Materialy k geografii raiona reki Nivy, Kol'skii poluostrov, p. 65-68) *Title tr.:* Result of petrologic determinations in collections made by Geographic Exploration Group of the Kola Expedition, 1930.

Petrologic description of the basin of the Niva River (flowing southeast from Lake Imandra to White Sea) made on the basis of collected material.

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9464. KUPLETSKII, B. M. Shchelochnye proiavleniia v oblasti razvitiia Sibirskikh trappov (Severo-Zapadnaiu chast'). (Nedra Arktiki, 1947. No. 2, p. 3-36, map, diagr.) *Title tr.:* The alkaline rocks of the northeastern part of the area of the development of Siberian traps.

Study of the Kotuy River region of Krasnoyarsk Province.

"The alkaline rocks occurring as veins and schlieren in the trap area of the northwestern part of the Siberian platform constitute a series, ranging from augite through analcime augite to monchiquite and alnoite. The series is characterized by increasing alkalinity but with a constant magnesium and potash content. The rocks are genetically closely related to the trap rocks of the region. They were probably formed by crystallization differentiation of trap magma, during which process the assimilation of carbonate rocks did not play an essential role."—Geological Society of America. Bibliography and index of geology.

Bibliography, p. 27-28. Summary in English. *Copy seen:* DLC.

9465. KUPLETSKII, B. M. Teschenity i drugie osnovnye intruzii r. Kolymy. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1932. Seriya ikutskaya, vyp. 11. Kolymskaya geologicheskaya ekspeditsiya, 1929-1930. T. 1, chast' 1, p. 45-64, illus., plate, table) *Title tr.:* Teschenites and other basic intrusions of the Kolyma River.

Petrographic sketch of the region based on field work of the Kolyma Geological Expedition in 1929-30; characteristics of rocks, especially teschenites, their mineralogical composition, chemical analyses, and comparison with teschenites of other regions. Table (p. 62) shows results of analyses of teschenites from several deposits in the U.S.S.R. Summary in English.

Copy seen: NN.

9466. KUPLETSKII, B. M. Topograficheskie nabludeniia v Khibinskikh tundrach v 1920-22 godakh. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1923. Vyp. 16, p. 76-79) *Title tr.:* Topographic observations in Khibina tundras, 1920-22.

Observations made by the Northern Scientific and Economic Expedition, 1920-26; remarks on topographical corrections for existing maps, with elevations noted.

Copy seen: DLC.

9467. KUPLETSKII, B. M. Ul'tra-osnovnye porody Moncha-tundry. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1935. Seriya kol'skaya, vyp. 7: Materialy po petrografii i geokhimii Kol'skogo poluostrova, chast' 4, p. 5-61, illus., diagrs.) *Title tr.:* Ultra basic rocks of Moncha Tundra.

A petrological description of the eastern part of Moncha Tundra (about 68°N. 32°50'E. in Kola Peninsula). Summary in German.

Copy seen: DLC.

9468. KUPLETSKII, B. M., and A. A. CHUMAKOV. O proiskhozhdenii shchelochnykh granitov Kol'skogo poluostrova. (Akademiia nauk SSSR. Doklady, 1948. Novaya seriya, t. 59, p. 727-30, illus.) *Title tr.:* On the genesis of alkaline granites of Kola Peninsula.

Discussion of granites of Keyv Plateau with the conclusion "that they are magmatic and intrusive in origin, and were emplaced during two intrusive

stages associated with independent periods of folding."—Geological Society of America. Bibliography and index of geology.

Copy seen: DLC.

9469. KUPLETSKII, B. M., and O. A. VOROB'eva. Geologo-petrograficheskie nabludeniia na tsentral'nom vodorazdele Kol'skogo poluostrova letom 1928. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1930. T. 60, vyp. 4, p. 49-78, illus., text map) *Title tr.:* Geological-petrographical observations on the central watershed of the Kola Peninsula.

Contains the results of a geological and petrographic study carried out by the authors in 1928 in the basin of Morelok and Kurgenok Rivers and Lake Seivavr, in central Kola Peninsula, with data on the structure of various rock formations, their crystallography and chemical content; bibliographical footnotes. Summary in German.

Copy seen: DLC.

KUPLETSKII, B. M., see also Beliankin, D. S., & B. M. Kupletskii. Gornye porody i poleznye iskopaemye poberezh'ia Kandalakshskoi guby. 1924.

KUPLETSKII, B. M., see also Fersman, A. E., & others. Opisaniie mestorozhdenii Khibinskikh tundr. 1928.

9470. KUPREVICH, V. F. Brachyformy roda *Puccinia* Pers. (Uredinales), parazitiruiushchie na vidakh gruppy-Anthemideae sem. Compositae. (Akademiia nauk SSSR. Botanicheskii institut. Trudy, Ser. 2, Sporovye rasteniia, 1935, vyp. 2, p. 377-410, illus.) *Title tr.:* Brachy-forms of the genus *Puccinia* Pers. (Uredinales) living parasitically on the species of the group Anthemideae of the family Compositae.

Contains a systematic morphological study of ten species of rusts (Uredinales), including *Puccinia artemisiae-norvegicae*, collected in Kamchatka in 1909, with synonymy, critical notes and citation of literature, illustrations, specimens and host plants. Summary in German.

Copy seen: MH-A.

9471. KURBATOV, I. D. Ob enigmatite iz Khibinskikh tundr. (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1923. Vyp. 16, p. 60) *Title tr.:* Aenigmatite from Khibina tundras.

Results of physical and chemical analysis.

Copy seen: DLC.

9472. KURBATOV, L. M. Radioaktivnost' donnykh otlozhenii morei i ozer SSSR. Neskol'ko dannykh opredelenii radioaktivnosti zhelezomargantsovykh obrazovani. (Arctica, 1936. No. 4, p. 95-105) *Title tr.:* On the radioactivity of bottom sediments.

A study of the radium content and radioactivity of bottom sediments of U.S.S.R. seas and lakes, including bottom samples taken from Kara, Barents, and White Seas. Summary in English.

Copy seen: DLC.

9473. KURBATOV, L. M., and M. M. ERMOLAEV. K voprosu o radioaktivnosti i khimicheskoi sostave gruntov Karskogo moria. (Problemy Arktiki, 1937, no. 2, p. 67-70, tables, diagr.) *Title tr.:* The radioactivity and chemical composition of the bottom sediments of the Kara Sea.

Determinations from samples taken during the *Sadko* High Latitude Expedition, 1935. Summary in English.

Copy seen: DLC.

9474. KURBATOV, L. M., and V. A. EGOROV. K voprosu o vozmozhnosti opredeleniia vozrasta sovremennykh donnykh otlozhenii radioaktivnym metodom. (Arctica, 1936. No. 4, p. 107-120) *Title tr.:* On the possibility of determining the age of contemporary deposits by the radioactive method.

Results of an experiment to determine the age and rate of formation of bottom sediments by the change (in successive layers of the sediments) of their radioactive elements; analysis of bottom samples (taken at 76°02'N. 86°13'E.) of a ferromanganese concretion of Kara Sea. Summary in English.

Copy seen: DLC.

9475. KURENKOV, A. Kolymo-Indigirskii rechnoi transport. (Sovetskaiia Arktika, 1939, no. 10, p. 42-45, illus.) *Title tr.:* Kolyma-Indigirka River transportation.

Characterization of the rivers from the viewpoint of their navigability; need for improvement of shipping conditions.

Copy seen: DLC.

9476. KURENKOV, A. Reka Indigirka i ee osvoenie. (Sovetskaiia Arktika, 1940, no. 7, p. 36-38, illus.) *Title tr.:* Conquest of the Indigirka River.

Geographic sketch of the river, list of docks, navigation conditions in its

different sections, development of freight traffic since 1936.

Copy seen: DLC.

9477. KURENKOV, F. A. Ustanovka limnigrafa na l'du. (Problemy Arktiki, 1938, no. 3, p. 137, illus.) *Title tr.:* The placing of the limnograph on ice.

A short description of the functioning of the limnograph used by the polar station on Yugorskiy Shar in the winter of 1937.

Copy seen: DLC.

9478. KURENTSOVA, G. Z. Lekarsvennye rasteniia Sovetskogo Dal'nego Vostoka. (Akademiia nauk SSSR. Dal'nevostochnaia gornotaezhnaia stanitsiia im. V. L. Komarova, 1941. T. 4, p. 131-226) *Title tr.:* Medicinal plants of the Soviet Far East. *Contents tr.:* Introduction. 1. A brief survey of the literature on medicinal plants of the Soviet Far East. 2. A general geo-botanical sketch on distribution of the medicinal plants in the Far East. 3. Systematic part. Literature used.

Part 3 contains data on geographical distribution and medical uses. The region includes the Maritime province, Sakhalin Island and Kamchatka Peninsula.

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9479. KURGANOVICH, V. O perspektivakh razvitiia aviatsii na Severe. (Sovetskii Sever, 1931, no. 11-12, p. 112-16, fold. map) *Title tr.:* Future development of aviation in the North.

Importance of aviation in the industrialization of the Soviet North. Data and map of air lines in operation in 1931, those under construction, and plans for new construction. Need to prospect the region for oil in connection with the development of aerial transportation.

Copy seen: DLC.

9480. KURGANSKAIA, V. M. Obledenenie samoleta. (Sovetskaiia Arktika, 1935, no. 4, p. 35-36) *Title tr.:* Icing of the airplane.

Discussion of meteorological factors conducive to icing.

Copy seen: DLC.

9481. KURILOVICH, A. Gydanskii poluoostrov i ego obitateli. (Sovetskii Sever, 1934. T. 5, no. 1, p. 129-40) *Title tr.:* Gydan Peninsula and its inhabitants.

General description of the peninsula and adjacent Shokal'skiy Island. Brief historical sketch of expeditions to the region; its physical geographic condi-

tions, Samoyed population, prospective economic and cultural development.

Copy seen: DLC.

9482. KURMANGALIN, N. Opyt kul'tury zernovykh na bolotnykh pochvakh Kol'skogo poluoostrova. (Klimat i Pogoda, 1936. No. 1 (64), p. 25) *Title tr.*: An experiment of cultivation of grain on the marshes of Kola Peninsula.

Copy seen: DWB.

9483. KURSANOV, ANDREI L'VOVICH, and N. N. D'ACHKOV. Lishainiki i ikh prakticheskoe ispol'zovanie. Moskva, 1945. 54, [2] p. illus. map. (Akademiia nauk SSSR. Sovet po nauchno-tehnicheskoi propagande. Po-ljarnyi botanicheskii sad i Institut biokhimii im. A. N. Bakha) *Title tr.*: Lichens and their utilization.

Contains general data on the biology, chemical content and geographic distribution of lichens (*Cladonia*, *Alectoria*, *Stereocaulon* and *Usnea*) in northern and arctic U.S.S.R. The second part deals with utilization of lichens as fodder for reindeer and domestic animals, as food (admixture to flour, lichen starch, etc.), also as raw material for the preparation of alcohol, molasses and glucose for technological uses. Special attention is given to description of the authors' method of producing glucose from lichens, with some statistical and economic data.

Copy seen: DLC.

KURTIN, I. T., see Arkhangel'skaia, N. A., & others. K fiziologii kholodovogo staza. 1943.

9484. KURTZ, FRITZ, 1854-1920. Aufzählung der von K. Graf von Waldburg-Zeil im Jahre 1876 in Westsibirien gesammelten Pflanzen. Botanische Inaugural Dissertation. Berlin, Druck von Mesch & Lichtenfeld, 1879. 69 p. *Title tr.*: Enumeration of the plants collected in western Siberia by K. Graf von Waldburg-Zeil in 1876. Botanical inaugural dissertation. [Friedrich-Wilhelms-Universität, Berlin.]

Result of the West Siberian expedition of the Geographical Society of Bremen under Dr. O. Finsch, 1876.

Contents tr.: 1. Report on the course of the expedition. 2. Arctic florula of the Ob region. 3. Enumeration of the plants collected in western Siberia by Karl Waldburg-Zeil in 1876.

Chapter 2 contains a list of one hundred fifty-five species of vascular plants

known from the western Siberian Arctic, with data on their distribution, and chapter 3, another list of four hundred thirty-two species collected in 1876, with notes on general and local distribution.

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9485. KURTZ, FRITZ, 1854-1920. Bericht über die Pflanzen, welche Karl Graf von Waldburg-Zeil in August 1881 am unten Jenissei gesammelt hat. (Botanischer Verein der Provinz Brandenburg. Abhandlungen, 1894. Bd. 36, p. 141-49) *Title tr.*: Report on the plants collected by Karl Graf von Waldburg-Zeil in the lower Yenisey valley in August 1881.

Contains a systematic enumeration of sixty-seven species of plants collected in the valley of the lower Yenisey, including thirteen species new for that region.

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9486. KURTZ, FRITZ, 1854-1920. Die Flora der Tschuktschenhalbinsel. Nach den Sammlungen der Gebrüder Krause. (In: Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie herausgeg. von A. Engler, 1895, pub. 1894. Bd. 19, Heft 4, p. 432-93) *Title tr.*: Flora of Chukchi Peninsula. Based on collections of the Krause brothers.

Contains a general geobotanical survey of the Chukotsk Peninsula, a list of three hundred twenty-seven species of flowering plants and vascular cryptogams and another list of seventy-five mosses, collected by Aurel and Arthur Krause during the Expedition sponsored by the Bremen Geographical Society, 1881-82.

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9487. KURTZ, FRITZ, 1854-1920. Die Flora des Chilcatgebietes in südöstlichen Alaska, nach den Sammlungen der Gebrüder Krause. (In: Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie herausgeg. von A. Engler, 1895, pub. 1894. Bd. 19, Heft 4, p. 327-431) *Title tr.*: Flora of the Chilkoot region in southeastern Alaska based on collections of the Krause brothers.

Contains a geobotanical sketch of the Chilkoot region (59°-60°N. 135°-136° W.) in southeastern Alaska, p. 327-54, and a systematic enumeration of four hundred ninety-eight species of flowering plants and vascular cryptogams, thirty-seven mosses and twenty-two hepatics, collected by Aurel and Arthur

Krause, while on the Expedition of the Bremen Geographical Society, in 1881-82.

Copy seen: MH-A.

9488. KURTZ, FRITZ, 1854-1920. Ueber die von den Doktoren Aurel und Arthur Krause von der Tschuktschen-Halbinsel mitgebrachte Pflanzensammlung. (Deutsche geographische Blätter, 1882. Bd. 5, p. 326-27) *Title tr.:* Concerning the plant collection brought by Dr. Aurel and Arthur Krause from the Chukotsk Peninsula.

Contents: Comments on the herbarium of about 193 species.

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9489. KURYLEVA, N. A. Novye dannye k stratigrafii pechenskoj formatšii na Kol'skom poluostrove. (Akademiia nauk SSSR. Doklady, 1948. Nov. ser., t. 60, p. 267-68) *Title tr.:* New data on the stratigraphy of the Pechenga formation of the Kola Peninsula.

Brief note on stratigraphy and age of the Pechenga formation (Silurian) in the Kuets-jarvi (lake) region in Pechenga tundra based on field work, 1945-46.

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9490. KUSHELEVSKII, IURII IVAN-OVICH. Sĭevernyĭ polŭs i zemliã ĭal-mal. Putevyia zapiski. Sanktpeterburg, Tip. M. v.d. lit. K. Shtremera, 1868. 2 p. l., ii, 155 p. 1 l., 11 plates, fold. map. *Title tr.:* The North Pole and the Yamal country. Itinerary.

Contains travel notes and observations made by the author during his stay in Obdorsk, 1852-54, and during several trips for the investigation of land and water communications between the northern portions of the Yenisey River and across the Urals to the Pechora. Includes data on the terrain, climate of the region, and scattered information on the culture of the Samoyeds, and a Russian-Samoyed glossary.

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9491. KUSHEV, S. L. Geomorfologiya doliny nizhnego techeniya N. Tunguski. Leningrad, 1934. 61 p., illus., map, diags. (Akademiia nauk SSSR. Geomorfologicheskii institut. Trudy, Vyp. 11) *Title tr.:* Geomorphology of the valley of the lower Nizhnyaya Tunguska River.

Results of a study made for the Geomorphological Institute of the Academy of Sciences, U.S.S.R., 1932, during its Nizhne-Tunguska Expedition. De-

scription of the physiography of the river valley between about 64°-66°N. 87°-94°E., its geologic features, and ancient terraces; brief remarks on geomorphology and permafrost; and a bibliography (49 items). Summary in French (very brief).

Copy seen: DLC.

9492. KUSHEV, S. L. K geomorfologii nizhnego techeniya r. Nizhnei Tunguski. (Predvaritel'nyi otchet). (Akademiia nauk SSSR. Poliarnaya komissiya. Trudy, 1934. Vyp. 15, p. 37-56, illus.) *Title tr.:* On the geomorphology of the lower Nizhnyaya Tunguska River (preliminary report).

Contains data on geology and relief of the area; special section devoted to the manifestation of permafrost in the valley of the Nizhnyaya (Lower) Tunguska on the plateaus and in the forest area north of the town of Turukhansk; data on practical difficulties (land slides caused by thawing of permafrost); suggestions for the selection of building lots. Result of the Nizhne-Tunguska Expedition of the Academy of Sciences U.S.S.R., 1932.

Copy seen: DLC; NN.

9493. KUSHEV, S. L. Morfologiya i genezis bugristykh mareĭ i ikh geograficheskoe rasprostraneniye. (Akademiia nauk SSSR. Komitet po vechnoi merzlotе Trudy, 1939. T. 8, p. 119-69, illus.) *Title tr.:* The morphology and genesis of the hillocky type of relief and its geographical distribution.

Contains results of field work in the region of the upper Zeya River (about 54°N. 29°E.); description of the relief, geology and permafrost of the area. Cross sections of the numerous mounds furnish data on the geological and granulometrical composition of the ground, and its pollen content. These data in conjunction with the geographical distribution of these forms of micro-relief explain the morphology and genesis of the mounds as a factor of the dynamic tensions in the ground produced by freezing. A table shows the relationship between the type of landscape, forms of macro- and micro-relief and their geographical distribution. Bibliography (31 items).

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9494. KUSHEV, S. L. Nablŭdeniya nad torfiyanymi bugrami i nad mogil'ni-

kami (bugristymi moriāmi). (*In*: Akademiā nauk, SSSR. Komitet po vechnoi merzlote. Sbornik instruktīi i programmykh ukazanii, 1938, p. 113-28, illus.) *Title tr.*: Observations on peat mounds and "burial mounds" (hillocky marshes).

Contains discussion of purpose of observations of "burial mounds" and peat mounds, their distribution, morphology, vegetation cover, structure, genesis, and the temperature measurements which must be made. Bibliography (47 items). *Copy seen*: DLC.

9495. KUSHEV, S. L. Vechnaia merzlota v raione nizhnego techeniia reki Nizhnei Tunguski. (Akademiā nauk, SSSR. Komissiiā po izucheniiu vechnoi merzloty Trudy, 1934. T. 3, p. 73-88) *Title tr.*: Permafrost in the region of the lower reaches of the Nizhnaya Tunguska River.

Contains results of geomorphological and permafrostological observations made in 1932 by means of test pits, trenches and sample borings; description of the geology and relief of the region and the occurrence of permafrost; observations on the occurrence of earth-creeping solifluction on the terrace slopes, practical measures to combat it, and its possible effect on building construction. *Copy seen*: DLC.

9496. KUSOV, N. I., and V. I. LAPPO. Mestorozhdenie uglia i Yurung-Tumus. (Nordvik-Khatangskii raion). (Nedra Arktiki, 1947. No. 2, p. 100-12, diagrs.) *Title tr.*: Coal-bearing deposit Yurung-Tumus (Nordvick).

Remarks on "stratigraphic relations, structure, and chemical composition of a Cretaceous lignite on the isthmus connecting Yurung-Tumus Peninsula with the mainland of north Siberia. The hydrogeology of the area is also discussed, with special reference to data of importance for mining."—Geological Society of America. Bibliography and index of geology. Summary in English. *Copy seen*: DLC.

KUSOV, N. I., *see also* Lappo, V. I., & N. I. Kusov. Nordvikskoe mestorozhdenie kamennoi soli. 1947.

9497. KUTOMANOV, G. N. Otchet o komandirovke v ust'e r. Eniseia dlia proizvodstva raskopok trupa mamonta. (Akademiā nauk SSSR. Bulletin,

mars, 1914. Sér. 6, t. 8, p. 377-88) *Title tr.*: Report on the mission to the estuary of the Yenisey River for the exhumation of a mammoth's carcass.

Conditions of travel along Yeniseysk - Monastyrskoye - Dudinka - Gol'chikha route, and return (Feb.-July, 1913). Work at site some forty versts from Gol'chikha. Remarks on poor state of preservation of the carcass. *Copy seen*: DLC.

9498. KUTSEVALOV, M. Na ostrove Chetyrekhshtolbovom. (Sovetskaiā Arktika, 1939, no. 8, p. 57-59) *Title tr.*: Chetyrekhshtolbovoy Island.

Description of the Bear Islands group (Medvezhi Ostrova: Krestovyy, Leont'eva, Andreeva, Pushkareva, Lysova, and Chetyrekhshtolbovoy Islands, about 70°50'N. 161°36'E. in East Siberian Sea), and the polar station on Chetyrekhshtolbovoy Island. Includes (in brief) sailing directions for waters around this island. *Copy seen*: DLC.

KUWANA, SHINKAI I., *see* Kellogg, V. L., & S. I. Kuwana. Mallophaga from Alaskan birds. 1900.

9499. KUYKENDAHL, OTTO. Taku's tidewater tangles. (Alaska life, Feb. 1948. v. 11, no. 2, p. 6, 14, 16, illus.)

On the gillnet salmon fishermen, regulations for their fishery, the taku wind, and other problems, of Taku River (about 58°20'N. 134°W.) in Southeast Alaska. *Copy seen*: DLC.

9500. KUZIAKIN, I. Opyt raboty povar v Arktike. (Sovetskaiā Arktika, 1939, no. 7, p. 65-75, illus.) *Title tr.*: Experience of a cook in the Arctic.

Description of the author's work and methods in preparing meals from polar bear and seal meat, and from game birds, during his three-year service at the Wrangel Island station. *Copy seen*: DLC.

9501. KUZIN, P. S. Kratkoe geograficheskoe opisanie zapadnogo berega p-va Kanina ot reki kii do reki Torny. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1933. T. 65, vyp. 2, p. 178-86, map) *Title tr.*: A brief geographic description of the western coast of Kanin Peninsula between Kiya and Torna Rivers.

Report on investigations along the western coast of the Kanin Peninsula between 67°40'N. 44°08'E. and 69°04'N.

44°11'E., made in Aug.-Sept. 1929 by the sailboat *Savva Lozhkin*. Includes physico-geographic description of this coastal region, with brief notes on the rivers and geographic coordinates of the river mouths. **Copy seen:** DLC.

KUZ'MENKO, A. S., *see* Kagan, M. I., & A. S. Kuz'menko. Pitanie i poliarnye avitaminozy. 1932.

KUZ'MENKO, A. S., *see* Kagan, M. I., & A. S. Kuz'menko. Poliarnaiâ noch' i chelovek. 1933.

9502. KUZ'MIN, D. N. Severnym morskim putem iz Vladivostoka v Murmansk. Plavanie p/kh "Anadyr" v 1935 g. (Severnyi morskoi put', 1936, Prilozhenie 1, p. 33-48, illus., fold. map) **Title tr.:** By the Northern Sea Route from Vladivostok to Murmansk; the voyage of the S.S. *Anadyr* in 1935.

An account of the voyage with description of ice conditions encountered. Includes a short chronological review of attempted and successful voyages along the Northern Sea Route, 1533-1934. **Copy seen:** DLC.

9503. KUZ'MIN, P. P. Radiatsiia otrazhennaiâ ot poverkhnosti moriâ i pogloshchennaiâ sloiami vody razlichnoi glubiny. (Meteorologiia i gidrologiia, 1939. T. 5, no. 7-8, p. 3-11, illus.) **Title tr.:** Radiation reflected from the surface of the sea and absorbed by the layers of water on different depths.

Measurements of the albedo of the surface of the water in Malaya Pir'ya Bay (66°40'N. 34°20'E.) have been summarized for clear and cloudy days. Albedos (%) are also determined for various sea ice and snow covers.

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9504. KUZ'MIN, P. P. Staivanie lednikov i teplovoi balans. (Zhurnal geofiziki, 1937. T. 7, no. 4 (28), p. 272-83) **Title tr.:** The thawing of glaciers and the heat balance.

Separate quantitative estimates of radiation and air temperature influences in ablation are calculated. Summary in English. **Copy seen:** DLC.

9505. KUZMISHCHEV, PAVEL FEDOROVICH. 1798-1850. O lîesakh i kustarnikakh rastushchikh v Kamchatke. (Lîesnoi zhurnal izdavaemyi obshchestvom dlia pooshchreniia lîesnogo khoziaïstva, Sanktpeterburg, 1836, ch.

4, p. 117-31) **Title tr.:** Forests and shrubs growing in Kamchatka.

Contents notes on about thirty species of trees and shrubs with data on their economic importance and uses.

Copy seen: NY.

9505A. KUZNETSOV, E. A. General geology of the Urals. (In: Zavaritskii, A. N., editor. The Uralian excursion: the northern part, 1937. p. 11-20. Publ. as: International Geological Congress. 17th, Moscow and Leningrad, 1937. [Guide-books for the excursions, 23]) **Title tr.:** Translation of his *Obshchii obzor geologicheskogo stroeniia Urala*, 1937, q.v.

Copy seen: DLC.

9505B. KUZNETSOV, E. A. Obshchii obzor geologicheskogo stroeniia Urala. (In: Zavaritskii, A. N., editor. Ural'skaia èkskursiia; severnyi marshrut, 1937, p. 10-19. Publ. as: Mezhdunarodnyi geologicheskii kongress. 17ia sessiia, SSSR, 1937. [Èkskursii, 23]) **Title tr.:** General geology of the Urals.

Notes on orography, stratigraphy, volcanism and tectonics of the whole mountain range, including very brief mention of the arctic region in the Urals. Also published in English, with title as above, q.v. **Copy seen:** DLC.

9506. KUZNETSOV, I. I. Nekotorye nablûdeniia nad razmnozheniem amurskikh i kamchatskikh lososei. Vladivostok, 1928. 195, [1] p., illus., plates, maps, diags. (Vladivostok. Tikhookeanskaiâ nauchno-promyslovaia stantsiia. Izvestiia. T. 2, vyp. 3) **Title tr.:** Some observations on the spawning of the Amur and Kamchatka salmon.

Contents results of author's field observations on the spawning process of several varieties of Kamchatka salmon, with list of the many spawning streams, and a discussion of the need of protective measures for the preservation of Kamchatka fish resources. Summary in English.

Copy seen: DLC.

9507. KUZNETSOV, I. V., editor. Lûdi russkoi nauki. Moskva, Ogiz, 1948-? 2 v. v. 1: 641 p. illus., ports., maps; v. 2 is indicated in contents table as p. 642-1197+, but no copy has been seen. **Title tr.:** Men of Russian science.

Contents include biographical sketches of scientists and explorers noted for their work in the Arctic, with selected bibliographies of works by, and about

them: Ivan Dement'evich Cherskii, 1845-92 (p. 404-10); Evgraf Stepanovich Fedorov, 1853-1919 (p. 427-44); Feodosii Nikolaevich Chernyshev, 1856-1914 (p. 454-61); Aleksandr Evgen'evich Fersman, 1883-1945 (p. 499-510); Semen Ivanovich Dezhnev, 1605?-1673 (p. 525-32); Stepan Petrovich Krashenninnikov, 1713-55 (p. 533-44); Dmitrii Iakovlevich, and Khariton Prokop'evich Laptev, (18th century), the so-called "Brothers" (actually cousins) Laptev (p. 545-50); Aleksandr Ivanovich Voelkov, 1842-1916 (p. 579-87); Petr Aleksandrovich Kropotkin, 1842-1921 (p. 588-98); Iulii Mikhailovich Shokal'skii, 1856-1940 (p. 614-23); Georgii Iakovlevich Sedov, 1877-1914 (p. 632-41). **Copy seen:** DLC.

9508. KUZNETSOV, M. Ratsional'no organizovat' khoziaistvo poliarnykh stantsii. (Sovetskaiia Arktika, 1939, no. 8, p. 51-56, illus.) **Title tr.:** For an efficient organization of polar stations.

Suggestions, based on the author's experience at the Cape Shmidt station, 1935-37. **Copy seen:** DLC.

9509. KUZNETSOV, N. IA. The origin of the lepidopterous fauna of the arctic Eurasia. (Arctica, 1935. No. 3, p. 115-38) **Russian title supplied:** Proiskhozhdenie fauny cheshuekrylykh arkticheskoi Evrazii.

A study of butterflies and moths in palearctic regions and their distribution in the U.S.S.R. arctic area. Bibliography (106 items). Summary in Russian. **Copy seen:** DLC.

9510. KUZNETSOV, NIKOLAI IVANOVICH, 1864-1932. Izsl'edovanie flory Shenskurskogo i Kholmogorskogo uyezдов Arkhangel'skoi gubernii. (Leningradskoe obshchestvo estestvoispytatelei. Trudy 1888. T. 19, Otdeleniye botaniki, p. 67-160, map) **Title tr.:** Investigation of the flora of Shenskursk and Kholmogory districts of Arkhangel'sk government.

Contains a geobotanical sketch of the region investigated by the author under auspices of St. Petersburg Society of Naturalists in 1886; a list of five hundred eleven species of flowering plants and vascular cryptogams, determined according to Ledebour's *Flora rossica*, and data on cultivated plants of the Arkhangel'sk region; bibliographical footnotes. Map indicates the distribu-

tion of *Abies sibirica*, a characteristic tree for this region. Summary in German. **Copy seen:** DLC.

9511. KUZNETSOV, NIKOLAI IVANOVICH, 1864-1932. K voprosu o proiskhozhdenii arkticheskoi flory zemnogo shara. I. Rod *Dryas* L. (Leningrad. Glavnyi botanicheskii sad RSFSR. Botanicheskie materialy gerbariia, 1922. T. 3, vyp. 24-25, p. 93-100; vyp. 34-35, p. 133-40, diagr.; vyp. 38-39, p. 149-154, diagr.) **Title tr.:** On the problem of the origin of arctic flora of the world. I. Genus *Dryas* L.

Contains a general discussion of the phylogeny of the genus *Dryas* L., as a typical representative of arctic flora, and other related genera of the family Rosaceae, distributed in the arctic regions of Europe, Asia and America. **Copy seen:** MH-A.

9512. KUZNETSOV, NIKOLAI IVANOVICH, 1864-1932. K voprosu ob arkticheskoi flore. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1889. T. 20, Otdeleniye botaniki. Protokoly zasiedanii, p. 23-25) **Title tr.:** On the problem of arctic flora.

Contains data on application of the geobotanical method to the study of arctic flora, which has very little in common with alpine flora according to the author; discussion of typical plant formations in arctic regions and anatomical and biological characteristics of arctic plants. **Copy seen:** DLC.

9513. KUZNETSOV, NIKOLAI IVANOVICH, 1864-1932. "Laidy" v nizov'iax r. Eniseia, ikh stroenie, obrazovanie i mesto v klassifikatsionnoi skheme bolotnolesnykh obrazovani. Leningrad, 1932. 40 p. table map. (Akademiia nauk SSSR. Poliarnaiia komissia. Trudy, 1932. Vyp. 12) **Title tr.:** Laidy in the valley of the lower Yenisey, their structure, origin and place in the classification scheme for the woody formations of swampy regions.

Contains definition of the native term "laidy": a tree-less part of the forest tundra terrain with peat substratum, permafrost not far from the surface, and knolls with low shrubs, mosses and liverworts as vegetation. Three types of "laidy" are distinguished on the basis of the vegetation which covers them. Each type is described with a list of plants found in the lower reaches of

the Yenisey River. Distribution of "laida" is indicated, conditions and causes of their origin, and the peat mounds on them, as well as a provisional classification of "laida" type of terrain, which genetically may be considered "deformed lakes" of the upper-tundra region. A detailed map of the region is given. **Copy seen:** NN.

9514. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. Materialy k lishainikovoï florë Novoi Zemli. (Leningrad. Universitet. Botanicheskii sad. Botanicheskie zapiski, 1886-87. T. 1, vyp. 2, p. 251-80) **Title tr.:** Materials for the lichenological flora of Novaya Zemlya.

Contains a systematic enumeration of eighty-seven species of lichens collected by Krivosheïa on Novaya Zemlya (in 1882-83), and a comparative table of their distribution in other arctic regions: including (besides Russia) Greenland, the Svalbard archipelago, Scandinavia and Finland and North America. Summary in German.

Copy seen: MH-A.

9515. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. O granitsië lišesov na Kol'skom poluostrovii, po izshledovaniïam finliândskikh ekspeditsii 1887 i 1889 gg. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1891. T. 21, vyp. 3, Protokoly zasëdaniï p. 20-23) **Title tr.:** On the forest limit of Kola Peninsula based on the results of Finnish Expeditions of 1887 and 1889.

Contains a discussion of the northern limit of woody vegetation on Kola Peninsula based on material collected in 1887 and 1889, by the Finnish expeditions, reported by A. P. Kihlmann [i.e. Kairamo] and I. A. Palmén in *Die Expedition nach der Halbinsel Kola im Jahre 1887*, pub. 1890, and by Kihlmann [i.e. Kairamo] in *Bericht einer naturwissenschaftlichen Reise . . . 1889*, pub. 1890, q.v.

Copy seen: DLC.

9516. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. O lishainikakh Novoi Zemli. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, 1886. T. 17, vyp. 1, Protokoly zasëdaniï, p. 80-81) **Title tr.:** On lichens of Novaya Zemlya.

Contains a discussion of the origin of lichen flora of Novaya Zemlya, based on material collected by the Expedition

of Imperial Geographical Society in 1882.

Copy seen: DLC.

9517. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. Opyt dîleniia Sibiri na botaniko-geograficheskiïa provintsiï. (Akademiia nauk SSSR. Izvestiia, 1912. Ser. VI, t. 6, no. 14, p. 871-97, 4 maps) **Title tr.:** An essay on the division of Siberia into phytogeographical provinces.

Contains a critical revision of the similar works of the earlier geobotanists and a discussion of the division of Siberia into four phytogeographical regions; (1) forest; (2) steppe; (3) alpine; and (4) arctic.

Copy seen: MH-A.

9518. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. Podrod *Eugentiana* Kuznez. roda *Gentiana* Tourn. Sistematicheskaiâ, morfologicheskaiâ i geograficheskaiâ obrabotka. Leningrad, 1894. vii, 531 p. plate, 4 maps. (Leningradskoe obshchestvo estestvoispytatelei. Trudy. T. 24) **Title tr.:** Subgenus *Eugentiana* Kuznez. of the genus *Gentiana* Tourn. Systematic, morphological and geographic survey.

This is an original Russian work from which a German translation was published under the title: Subgenus *Eugentiana* Kusn. generis *Gentiana* Tournef. 1896-1904, q.v.

Copy seen: DLC.

9519. KUZNETSOV, NIKOLAI IVAN-OVICH, 1864-1932. Subgenus *Eugentiana* Kusn. generis *Gentiana* Tournef. S.-Peterburg, Akad. nauk, 1896-1904. iv, 507 p. 1 plate, 4 maps. (Leningrad. Glavnyi botanicheskii sad. Trudy. T. 15, vyp. 1, pub. 1896, p. i-iv, 1-160; vyp. 2, pub. 1898, p. 161-320; vyp. 3, pub. 1904, p. 321-483; p. 483-507—not dated) German translation of the author's original work in Russian, "Podrod *Eugentiana* Kuznez.", [etc.] 1894, q.v. **Title tr.:** Subgenus *Eugentiana* Kuznez. of the genus *Gentiana* Tournef.

Contains a monographic study of one hundred sixty-two species and numerous varieties and forms of new subgenus *Eugentiana* of herbaceous genus *Gentiana*, with a historical review, data on taxonomic division, geographic distribution, keys, descriptions (in Latin), critical notes, synonymy and an index of the species; includes some native to arctic Russia, Alaska and Aleutian Islands.

Copy seen: MH-A.

9520. KUZNETSOV, S. S. K geologii reki Tüng Vilüiskogo okruga ĭakutskoi oblasti. (Akademiia nauk SSSR. Komissiiia po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 10, p. 255-62, illus. (incl. map)) *Title tr.*: The geology of the Tyung River, Vilyuysk District, Yakut A.S.S.R.

A preliminary report on the geology of the basin of the Tyung River (a left tributary of the Vilyuy at 63°46'N. 121°30'E.), based on observations by a group of the Yakut Expedition of the Academy of Sciences of U.S.S.R.

Copy seen: DLC.

9521. KUZNETSOV, S. S. Reka Tüng i ee levoberezh'e (geologicheskii ocherk). Leningrad, 1929. 3 p. l., 79 p., illus. map, diagrs. (Akademiia nauk SSSR. Komissiiia po izucheniiu ĭakutskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki. Materialy, 1929. Vyp. 26) *Title tr.*: The Tyung River and its left bank (geological report).

Results of the Yakut Expedition of the Academy of Sciences, U.S.S.R., 1925-26, along the river course between about 63°40' and 67°N. across the 120° E. meridian. Description of the stratigraphy along successive sections of the river bank, and discussion of the geologic history of the whole area, which traverses Cambrian-Silurian strata in its upper reaches, and Jurassic sediments of four horizons in its lower course. Summary in English.

Copy seen: DLC.

9522. KUZNETSOV, V. N. Geologicheskoe stroenie iuzhnogo ostrova Novoi Zemli po linii peresecheniia ot bukhty Trainoi k bukhte Savvinoi v 1932 g. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 49, p. 31-76, illus., 2 fold. maps) *Title tr.*: Geological structure of the southern island of Novaya Zemlya along the line of intersection from Tainaya Bay to Savina Bay, 1932.

Results of a survey conducted for the Archangel Northern Geological Survey Trust during the summer 1932, on an irregular line across the island at about 71°30'N. Description of the different surface features of the western and eastern sections of the transverse, caused by geologic structure; in the western part outcrops of middle Paleozoic with basic intrusive rocks in

thick dikes producing sharp crests, and in the eastern part a uniform rock mass of sandstones and schists of lower Permian age. Discussion of upper Silurian, Upper Devonian and Permian stratigraphy, of tectonics and of Quaternary deposits represented by separate small patches of argillaceous gravel formations with a pelecypod fauna.

Maps: Geologic and topographic, scale 1:200,000. Summary in English.

Copy seen: DLC.

9523. KUZNETSOV, V. N., and L. T. SOFRONOV. Iskopaemye ugli nizov'ev Leny. (ĭakutskaiia gornotekhnicheskaiia kontora, ĭakutsk. Materialy po geologii i poleznym iskopaemym ĭAASSR, 1929. No. 3. ĭakutsk, 1929) 169 [2] p. 37 plates, fold. diagrs. port. *Title tr.*: Coal deposits of the lower Lena River.

Results of field studies on several coal deposits of the region, made by the authors in 1927, with a short geological description of the areas and detailed information on coal strata observed and coal samples taken, including chemical analyses and quality evaluations.

Copy seen: DLC.

KUZNETSOV, V. V., see Girs, A. A., & T. V. Nikolaeva, comp. Rukovodstvo po proizvodstvu i obrabotke aerolog. nabliud. 1944.

KVALE, ANDERS, see Kolderup, N.-H., & A. Kvale. Jordskjelvet på Jan Mayen 1936. 1940.

9524. KWEE-ENNA. White whale drive. (Beaver, Mar. 1940. Outfit, 270, n. 4, p. 23-25, illus.)

Accounts by a Baffin Island Eskimo of his people's methods of hunting white whales.

Copy seen: DSI-M.

9525. KWIETNIEWSKI, CASIMIR R. Actiniaria von Ost-Spitzbergen, nach sammlungen von Prof. Dr. W. Küenthal und Dr. A. Walter. (Zoologische Jahrbücher; Abt. für Systematik, Geographie und Biologie, 1898. Bd. 11, p. 121-40, plate) *Title tr.*: Actiniaria from east Spitsbergen, collections of Dr. W. Küenthal and Dr. A. Walter.

Results of the Geographical Society of Bremen Expedition, 1889. A list, with synonymy, descriptions, locations and depths, of six (including two new) species of these coelenterates from eastern Svalbard waters.

Copy seen: DSI-M.

9526. KYDD, GEORGE. Paper on the construction of Hudson Bay terminals at Churchill, Man. (Canadian surveyor, July 1932, v. 4, no. 5, p. 3-6)

Presented by the resident engineer before the annual convention, of Dominion Land Surveyors, Feb. 1932 in Ottawa. Succinct summary of development of the port and harbor facilities; with detail of materials, methods, and construction. *Copy seen:* DLC.

9527. KYLIN, HARALD, 1879-1949. Pollenbiologische Studien im nördlichsten Schweden. Stockholm, Almqvist & Wiksell, 1918. 20 p. (Arkiv för botanik, 1918-19, pub. 1918. Bd. 15, no. 17) *Title tr.*: Biological studies of pollen in the northern Sweden.

Contains the results of a biological study of pollen of one hundred sixty-one plants, carried out by the author in the Abisko region (68°20'N.) in Torne Lappmark. *Copy seen:* MH.

KYLIN, JOHN HARALD, *see* KYLIN, HARALD, 1879-1949.

9528. KYLLINGSTAD, HENRY C., 1914-. The secret of the bristle-thighed curlew. (Arctic, 1948. v. 1, p. 113-18, illus.)

Account of an expedition on Seward Peninsula, Alaska in June 1948, sponsored by the Arctic Institute of North America and Cornell University, during which the author discovered the bird's nesting place, sought by scientists since 1785. Includes notes on the nest and description of the bird's appearance. *Copy seen:* DLC.

KYLLINGSTAD, HENRY C., 1914-, *see also* Allen, A. A., & H. Kyllingstad. Eggs & young bristle-thighed curlew. 1949.

9529. KYTMANOV, D. A. Funktsional'nye nevrozy sredi tungusov Turukhanskogo kraia i ikh otnoshenie k shamanstvu. (Sovetskii Sever, 1930, no. 7-8, p. 82-85) *Title tr.*: Functional neurosis among Turukhan Tungus and its relation to shamanism.

Description of nervous diseases observed by the author during his five-year medical practice in Turukhansk district. *Copy seen:* DLC.

9530. L., T. Taymyrskii natsional'nyi okrug. (Sovetskaiia Arktika, 1938, no. 1, p. 81-82) *Title tr.*: Taymyr National District.

Brief general review of the region: its borders, population, administrative divisions, and recent economic development. *Copy seen:* DLC.

L. R., *see* R., L.

LABAREE, BENJAMIN, *see* Baxter, D. V., & others. On & off Alaska trails. 1937.

LABUNOVA, A. N., *see* Fersman, A. E., & others. Opisanie mestorozhdenii Khibinskikh tundr. 1928.

9531. LABUNTSOV, A. N. Apatit i glavnye ego mirovyie mestorozhdeniia. (In: Khibinskie apatity, 1934. T. 7, p. 253-67, tables) *Title tr.*: Apatite and its principal deposits in the world.

Historical data on apatite and its synonyms, p. 253-54; its chemical, mineralogical, and petrographic characteristics, p. 254-57; distribution of apatite deposits throughout the world, p. 257-67 with comparative table. *Copy seen:* DLC.

9532. LABUNTSOV, A. N. Otchet o geokhimicheskikh i poiskovykh obsledovaniakh v raione Takhtarvumchorr. (In: Khibinskie apatity, 1932. T. 2, p. 367-70, map, table) *Title tr.*: Account of geochemical investigations and prospecting of the Takhtarvumchorr region.

Results of exploration of the Takhtarvumchorr region of Khibiny by the survey section of the Kola Expedition in 1930: (1) geochemical investigation of the eastern part of Takhtarvumchorr; (2) preliminary investigation of molybdenite deposits in Takhtarvumchorr; and (3) geological and mineralogical investigation of Chuna Tundra and prospecting there for lime and clay. *Copy seen:* DLC.

9533. LABUNTSOV, A. N. Pirrotin Khibinskikh tundr. (In: Khibinskie apatity, 1933. T. 5, p. 180-89) *Title tr.*: Pyrrhotite of Khibina tundras.

Brief historical sketch of prospecting in the region for magnetic pyrites, 1929-33. Characteristics of pyrrhotite occurrences based on results of geological surveys and electric geophysical exploration organized by the Apatite Trust, the Leningrad Geological Investigation Trust, and some others. Includes mineralogical analyses of typical samples of the ore, and remarks on

significance of Khibina pyrrhotite as a source for obtaining sulphuric acid.

Copy seen: DLC.

LABUNTSOV, A. N., *see also* U.S.S.R. Geologicheskii komitet. Fosfority SSSR. 1927.

9534. LACHAMBRE, HENRI, 1846-1904, and ALEXIS MACHURON. Andrée and his balloon. Westminster, A. Constable & Co., 1898. viii, 9-305, [1] p. plates, ports., facsim.

Translation of Andrée; *au pôle nord en ballon*, 1897, q.v.

Copy seen: DLC.

9535. LACHAMBRE, HENRI, 1846-1904, and ALEXIS MACHURON. Andrée; *au pôle nord en ballon*. Paris, P. Lamm [1897] 3 p. l., 250, [2] p. illus. (incl. ports., facsim.) **Title tr.:** Andrée; to the North Pole in a balloon.

Published in England as *Andrée and his balloon* and in U. S. as *Andrée's balloon expedition in search of the North Pole*.

Contains a biography of Andrée, description of the balloon, account of the trip in 1896 in the *Virgo* to West Spitsbergen, the sojourn on Danish Island and the cancellation of the flight; also account of the trip in 1897 in the *Sveensund* to Danish Island, the preparations there for the flight, and the ascension of the balloon.

Copy seen: DLC.

9536. LACHAMBRE, HENRI, 1846-1904, and ALEXIS MACHURON. Andrée's balloon expedition in search of the North Pole. New York, F. A. Stokes Co., [1898] 2 p. l., 306 p. incl. illus., plates, port. front.

Translation of Andrée; *au pôle nord en ballon*, 1897, q.v. **Copy seen:** DLC.

9537. LACK, DAVID. Nesting conditions as a factor controlling breeding time in birds. (Zoological Society of London. Proceedings, June 1933. p. 231-37, plate)

Results of the Cambridge Bear Island Expedition, 1932. Discussion of significance of the conditions around the nest-site to periodicity phenomena in breeding of the arctic tern, as studied on Bear Island.

Copy seen: DSI-M.

9538. LACK, DAVID. Some insects from the Scoresby Sound region, East Greenland, with an account of the

fauna of a nunatak. (Annals and magazine of natural history, Dec. 1934. Ser. 10, v. 14, p. 599-606)

Notes on a collection made in Aug. 1933, during the Cambridge East Greenland Expedition, in Jameson and Liverpool Lands. Includes a list, with localities and field notes, of thirty species of insects, including three butterflies, eight moths (one new), three beetles, and two bees; notes on the insect life of a Liverpool Land nunatak.

Copy seen: DSI-M.

LACK, DAVID, *see also* Bertram, G. C. L., & D. Lack. Bear Island. 1933.

LACK, DAVID, *see also* Bertram, G. C. L., & D. Lack. Notes on animal ecology Bear Island. 1938.

LACK, DAVID, *see also* Bertram, G. C. L., & D. Lack. Notes on birds of Bear Island. 1933.

LACK, DAVID, *see also* Bertram, G. C. L., & others. Notes on East Greenland birds. 1934.

LACK, DAVID, *see also* Roman, A., & D. Lack. Parasitic Hymenoptera Bear Island. 1934.

9539. LACKSCHEWITZ, PAUL, 1865-1936. Ueber einige hochnordische *Trichocera*-Arten (Diptera Nematocera). Tromsø, 1934. 8 p. illus. (Tromsø. Museum. Aarshefter, 1931. v. 54, nr. 1) **Title tr.:** On some far northern species of Trichocera (Diptera Nematocera).

Notes on three species, including a description of *Trichocera borealis* n. sp., which occur in Bear Island, West Spitsbergen, Novaya Zemlya, Taymyr Peninsula, New Siberian Islands, and Chukotsk Peninsula.

Copy seen: DSI-M.

9540. LACKSCHEWITZ, PAUL, 1865-1936. Zur kenntnis der polyneuren Nematoceren (Dipt.) des nördlichen Norwegens. Tromsø, K. Karlsens tryk., 1935. 27 p. illus., text map. (Tromsø, Norway. Museum. Aarshefter, 1930. Bd. 53, no. 4) **Title tr.:** A contribution to the knowledge of polyneural Nematocera (Dipt.) of northern Norway.

Contains a study of these flies in the region 65°-71°14'N. in Norway, based mostly on collections of T. Soot-Ryen, deposited in the Tromsø Museum, with a systematic list of one hundred one species, including *Oreophila soot-ryeni*

n. sp., citation of specimens, and tabulated data on distribution in thirteen biogeographic regions (indicated on map). *Copy seen:* MH-Z.

9541. LACMANN, OTTO. Geleitworte zu den Blättern Claveringöya, Jordan Hill and Geographical Society-öya der Karte von Nordostgrönland . . . nebst einem Verzeichnis vor 1936 erscheinener Karten Nordostgrönlands und der darin enthaltenen Namen sowie einer Zusammenstellung und Erklärung der neuen Ortsnamen auf den Kartenblättern Claveringöya, Jordan Hill and Geographical Society-öya. Oslo, Norges Svalbard- og Ishavs-undersøkelser; Gotha, J. Perthes, 1937. 57 p. incl. 10 p. of illus., map, 3 fold. maps. *Title tr.*: Text to accompany the Clavering Island, Jordan Hill and Geographical Society Island sheets of the map of northeast Greenland; with a list of maps published before 1936 on northeast Greenland and of the geographic names thereon, as well as a summary and explanation of the place names on the map sheets of Clavering Island, Jordan Hill, and Geographical Society Island. Published by the Norwegian Svalbard and Arctic Ocean Survey (Norges Svalbard- og Ishavs-undersøkelser).

Contains, in addition to the text, etc., noted in title, an account of the triangulation stations and network used for the three map sheets described, and a physiographic sketch of the terrain.

Illus., etc.: reproductions of air photographs of the three islands, and pictures illustrating the life of the country. *Maps*: topographic, scale 1:100,000, of Clavering and Geographical Society Islands, and of the East Greenland mainland coast between 73° 56'-74° 20'N. *Copy seen:* NNNStef.

9542. LACOUR, DAN. Météorologie. Cartes synoptiques du temps pour la période juillet-août 1905. (In: Orléans, L. P. R. *Duc d' Croisière océanographique accomplie à bord de la Belgica dans la Mer du Grönland 1905, pub. 1907. P. 71-82, 52 plates (charts)*) *Title tr.*: Meteorology. Synoptic weather charts, July-August 1905. (Oceanographic cruise on board the *Belgica* in Greenland Sea 1905)

The meteorological observations used to construct these synoptic charts of the North Atlantic and Greenland Sea,

are derived from thirty-three stations in Norway, Sweden, Greenland, Iceland, The Faeroes, and West Spitzbergen, and from reports of twenty-two vessels. *Copy seen:* DSI-M.

9543. LACROIX, FREDERIC, d. 1861. Régions circompolaires. [Paris, Firmin Didot frères, 1840] [177]-328 p. plate, fold. map. Extracted from *L'Univers; histoire et description de tous les peuples*, ser. 4, t. 3, (livr. 12-21).

Contains a general characterization of the polar regions; history of exploration for the Northwest Passage; and chapters on the geography and history of Iceland, Greenland, and (in brief) Jan Mayen and West Spitzbergen.

Copy seen: NNNStef; MIU.

9544. LADD, WILLIAM SARGENT, 1887-. The Fairweather climb. (American alpine journal, 1932. v. 1, p. 429-44, 7 plates)

Detailed account of efforts during May 25-June 8, 1931 to ascend Mt. Fairweather, Southeast Alaska, with information on routes, weather, climbing conditions, equipment and supplies, and note that A. Carpe and T. Moore (q.v.) reached the summit, June 8.

Copy seen: NNA.

9545. LADD, WILLIAM SARGENT, 1887-. The Fairweather mountains. (American alpine journal, 1929. v. 1, p. 23-30, fold. plate, fold. map)

Notes on the area between Lituya Bay (about 58° 37'N.) and Dry Bay (about 59° 10'N.) in Southeast Alaska, the coast, glaciers, approaches to the mountains, and the peaks of Fairweather Range, as observed in 1926; with historical notes, and a bibliography (24 items).

Copy seen: NNA.

9546. LADUE, JOSEPH. Klondyke facts; being a complete guide book to the gold regions of the great Canadian Northwest Territories and Alaska. New York, American Technical Book Co. [1897] 205 p. 13 plates, 5 maps (1 fold.) (Engineering and mining series, no. 1)

Contains (p. 1-92) the same material as appeared in the author's *Klondyke nuggets*, 1897, q.v., to which is added instructions for staking a claim, notes on law and order; game, agriculture and timber; mortality and climate; cost of living and wages. *Appendix:* Excerpts from Canadian mining laws.

Copy seen: DLC; NNNStef.

9547. LADUE, JOSEPH. Klondyke nuggets; being a brief description of the famous gold regions of the great Canadian Northwest and Alaska. New York, American Technical Book Co. [1897] 92, [4] p. (American technical series, no. 5)

The author a successful prospector and miner lived in the Klondike region since 1882, and founded Dawson City, Sept. 1896. He gives a brief description of the Yukon River and its tributaries, a full discussion of routes, distances and transportation, and succinct advice on prospector's outfit and supplies.

Copied seen: DLC.

9548. LADYZHENSKAIA, K. I. Semeistvo Buxbaumiaceae Bruch. et Schimp. v predelakh SSSR. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Ser. 2. Sporovye rasteniia, 1935, vyp. 2, p. 297-312, illus.) *Title tr.*: Family Buxbaumiaceae Bruch. et Schimp. in the limits of the U.S.S.R.

Contains a systematic-ecological study of this family of mosses, a key and enumeration of the species with critical notes, data on distribution and a bibliography; includes *Buxbaumia aphylla*, native to the Omsk and Krasnoyarsk regions. Summary in German.

Copied seen: MH-A.

9549. LADYZHENSKAIA, K. I. Zametka o semeistve Mniaceae iz Khibin. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Ser. 2. Sporovye rasteniia, 1936, vyp. 3, p. 579-87, illus.) *Title tr.*: Note on the family Mniaceae from Khibiny.

Contains a description of the general character, distribution and ecological peculiarities of the mosses of this family, and a systematic list of the species, collected on the mountains and the tundras of Kola Peninsula. Summary in English.

Copied seen: MH-A.

9550. LAESTADIUS, LARS LEVI, 1800-1861. Anmärkningur om de nordiska arterna af släktet *Agrostis*. (Botaniska notiser, 1856, no. 5-6, p. 78-83) *Title tr.*: Notes on northern species of the genus *Agrostis*.

Contains critical notes on northern grasses, *Agrostis stolonifera*, *A. alpestris*, *A. hyperborea* and their forms, occurring in Swedish and Finnish Lapland.

Copied seen: MH-A.

9551. LAESTADIUS, LARS LEVI, 1800-1861. Anmärkningur om der former af *Triticum*, som förekomma i Norden. (Botaniska notiser, 1856, no. 5-6, p. 74-78) *Title tr.*: Notes on some forms of *Triticum* occurring in the North.

Contains critical notes on nine forms of cereal grass *Triticum caninum* & *T. repens* growing in the northern regions, including seven occurring in Swedish Lapland and arctic Norway and Finland.

Copied seen: MH-A.

9552. LAESTADIUS, LARS LEVI, 1800-1861. Anmärkningur om formerna af *Nuphar luteum*. (Botaniska notiser, 1858, no. 9, p. 137-43) *Title tr.*: Notes on the forms of *Nuphar luteum*.

Contains Latin descriptions of nine forms of the pond lily *Nuphar luteum*, including six native to Lule and Torne Lappmark.

Copied seen: MH-A.

9553. LAESTADIUS, LARS LEVI, 1800-1861. Anmärkningur om *Gnaphalium sylvaticum*. (Botaniska notiser, 1856, no. 5-6, p. 84-87) *Title tr.*: Notes on *Gnaphalium sylvaticum*.

Contains Latin descriptions of seven forms of the herbaceous genus *Gnaphalium sylvaticum*, including f. *subsupinum* from Pajala, and two forms of *G. supinum* native to Lule and Torne Lappmark.

Copied seen: MH-A.

9554. LAESTADIUS, LARS LEVI, 1800-1861. Några anmärkningur om *Scirpus lacustris*. (Botaniska notiser, 1856, no. 5-6, p. 83-84) *Title tr.*: Some comments on *Scirpus lacustris*.

Contains critical notes on *Scirpus lacustris* of the sedge family (Cyperaceae), occurring in Swedish and Finnish Lapland.

Copied seen: MH-A.

9555. LAESTADIUS, LARS LEVI, 1800-1861. Om formerna af *Luzula campestris* och *arcuata*. (Botaniska notiser, 1858, no. 9, p. 143-45) *Title tr.*: On forms of *Luzula campestris* and *L. arcuata*.

Contains critical notes on wood-rushes, two forms of *L. campestris* (from Greenland and Torne Lappmark) and Latin diagnoses of three forms of *L. arcuata* native to Swedish Lapland; contains also references to some other arctic *Luzula* species.

Copied seen: MH-A.

9556. LAESTADIUS, LARS LEVI, 1800-1861. Om formerna af *Thalictrum*

flavum och *simplex*. (Botaniska notiser, 1858, no. 8, p. 121-26) **Title tr.:** On forms of *Thalictrum flavum* and *T. simplex*.

Contains Latin descriptions of four forms of the herbaceous genus *Thalictrum flavum*, including three native to Torne Lappmark in northern Sweden, and eleven forms of *T. simplex*, with seven native to Swedish Lapland.

Copy seen: MH-A.

9557. LAESTADIUS, LARS LEVI, 1800-1861. Species, subspecies, varieties and formae, nec non proles hybridae, in Lapponia hucusque observatae, generis *Betulae*. (Botaniska notiser, 1856, no. 7-8, p. 103-111, plates 2-3) **Title tr.:** Species, subspecies, varieties and forms of *Betula*, observed in Lapland, with some hybrids of the same.

Contains Latin diagnoses and critical notes on fifteen species and numerous forms (some described as new) of birches (*Betula*) growing in Swedish Lapland.

Copy seen: MH-A.

LAESTADIUS, LARS LEVI, 1800-1861, see also Lottin, V., & others. Voyages 1838-40 *Recherche. Météorologie. 1844-?*

LAESTADIUS, LARS LEVI, 1800-1861, see also Rosendahl, H. V., & L. L. Laestadius. 1916.

9558. LAETHER, CARL S. Fridtjof Nansen, vore fangstfolke og engelsmennene. (Polar-årboken, 1938, p. 74-76, facsim.) **Title tr.:** Fridtjof Nansen, our arctic hunters and the English.

Discusses a letter from Nansen to Hans Christian Johannesen, paying tribute to his knowledge and seamanship; mentions the lack of understanding shown by high British naval officers in a discussion of his plans for the *Fram* expedition.

Copy seen: NN.

LAFFOND, A., see Breynat, G., & others. Vicariat apostolique du Mackenzie. 1940.

LA FOND, E. C., see U. S. Navy Dept. Electronics Lab. Oceanographic measurements U.S.S. *Nereus*. 1947?

LAGEMANN, JOHN KORD, see Philippe, J., & J. K. Lagemann. Supermen of N. 1949.

LAGERBERG, KARK ERIK TORSTEN, see LAGERBERG, TORSTEN, 1882- .

9559. LAGERBERG, TORSTEN, 1882- . Några anmärkningsvärdare växter från Torne Lappmark. (Svensk botanisk tidskrift, 1909. Bd. 3, häfte 1, p. 19-24. **Title tr.:** Some interesting plants from Torne Lappmark.

Contains a list of fifty-four species collected near Torne Träsk in northern Sweden, in the summer of 1907 and 1908, including data on habitat and Latin diagnoses of six new forms.

Copy seen: MH-A.

9560. LAGERBERG, TORSTEN, 1882- . Ny lokal för *Sedum villosum* i Torne Lappmark. (Svensk botanisk tidskrift, 1929. Bd. 23, häfte 3, p. 388-89) **Title tr.:** A new locality for *Sedum villosum* in Torne Lappmark.

Contains a report of the finding of *Sedum villosum* near Torne Träsk, in the Abisko region of northern Sweden, a new locality for that species.

Copy seen: MH-A.

9561. LAGERCRANTZ, ELIEL, 1894- . Sprachlehre des Nordlappischen nach den Seelappischen Mundarten. Oslo [Glückstadt und Hamburg, Druck von J. J. Augustin] 1929. 369 p. incl. 13 plates on 7 leaves, tables. 30x23cm. (Oslo. Etnografiske museum. Bulletin 3) **Title tr.:** Grammar of northern Lappish according to the maritime Lapp dialect.

Contains introduction (p. 5-9) on the Maritime Lapps, their areal, population, etc., and grammar, parts of speech, accidence, phonetics, etc.

Copy seen: DLC.

9562. LAGERCRANTZ, ELIEL, 1894- . Sprachlehre des Westlappischen nach der Mundart von Arjeplog. Helsinki, Suomalais-ugrilainen seura, 1926. 365 p. diagrs., tables. (Suomalais-ugrilainen seura. Toimituksia, 55) **Title tr.:** Grammar of the west Lappish tongue (Arjeplog dialect).

Includes instruction in the phonetics of the dialect of Arjeplog (66°5'N. 18°30'E.)

Copy seen: DLC; NNC.

9563. LAGERCRANTZ, ELIEL, 1894- . Strukturtypen und Gestaltwechsel im Lappischen. Helsinki, Druck von J. J. Augustin in Glückstadt und Hamburg, 1927. 425 p. diagrs., tables. **Title**

tr.: Structure types and form changes in the Lappish language.

A contribution to the etymology of the Lappish language and dialects, particularly those of the western Lapps in Arjeplog, Sweden (66°5'N 18°30'E.) and of the eastern Lapps at Polmak in northernmost Finland (70°1'N. 28°E.), stressing differences in idiomatic expressions. *Copy seen:* NNC.

9564. LAGERCRANTZ, ELIEL, 1894-. Synopsis des Lappischen. (Oslo. Universitet. Etnografiske museum. Skrifter, 1941. Bd. 2, Hefte 4, p. 227-349 [1] *Title tr.*: Synopsis of Lappish.

Contains a characterization and analysis of the Lappish language and of its dialects; detailed texts in Lappish and German, of legends, tales, and conversations from fourteen localities grouped according to five Lappish languages, with introductory characterizations of the dialect of each locality; and a discussion of the linguistic relationships between Lappish and other Finno-Ugrian languages. *Copy seen:* DSI.

9565. LAGERCRANTZ, ELIEL, 1894-. Wörterbuch des Südlappischen nach der Mundart von Wefsen. Oslo [etc., etc.], H. Aschehoug & Co. (W. Nygaard), 1926. 214 p. (Instituttet for sammenlignende Kulturforskning, Serie B: Skrifter, 4) *Title tr.*: Dictionary of south Lappish, according to the Vefsen dialect.

Lists nearly 3200 words, with German equivalent and commentaries, from the Vefsen (Herred) region. *Copy seen:* DLC; NNC.

9566. LAGERHEIM, NILS GUSTAF, 1860-1926. Beiträge zur Flora der Bären-Insel. 2. Vegetabilisches Süsswasser-Plankton aus der Bären-Insel (Beeren Eiland). Stockholm, P. A. Norstedt, 1900. 25 p. illus. (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 26, afd. 3, no. 11) *Title tr.*: Contributions to the flora of Bear Island. 2. Fresh-water phytoplankton from Bear Island.

General discussion and list, with synonymy and localities, of species collected in Ella Lake and at Russian Harbor in the southern part of Bear Island during the Swedish Expedition to Bear Island, 1899. *Copy seen:* DLC.

9567. LAGERHEIM, NILS GUSTAF, 1860-1926. Ein Beitrag zur Schneeflora Spitzbergens. (Nuova notarisia, Apr. 1894. Ser. 5, p. 650-54) *Title tr.*: Contribution to the snow flora of Spitsbergen.

Introductory notes on algae species causing red and green snow on West Spitsbergen and its coastal islands; and a list with notes and some descriptions of three species of Myxophyceae, four species of Chlorophyceae and one diatom, designated with West Spitsbergen as locality, in an herbarium collection. *Copy seen:* DA.

9568. LAGERHEIM, NILS GUSTAF, 1860-1926. Mykologiska bidrag. III. Ueber einige auf *Rubus arcticus* L. vorkommende parasitische Pilze. (Botaniska notiser, 1887, p. 60-67, illus.) *Title tr.*: Mycological contributions III. On some fungi parasitic on *Rubus arcticus* L.

Contains critical notes on five species of fungi parasitic on bushes of various *Rubus* species, including *Puccinia peckiana* and *Phragmidium rubi* affecting *Rubus arcticus* and found in Lule Lappmark and Norrbotten. *Copy seen:* MH-A.

9569. LAGERHEIM, NILS GUSTAF, 1860-1926. Mykologiska bidrag. V. Ueber eine neue *Peronospora*-Art aus Schwedisch-Lappland. (Botaniska notiser, 1888, p. 49-51, illus.) *Title tr.*: Mycological contributions. V. On a new species of *Peronospora* from Swedish Lapland.

Contains a Latin description of, and critical notes on a new fungus, *Peronospora lapponica* n. sp. from Qvikkjokk, Lule Lappmark, and comparison with some other related species of the same genus. *Copy seen:* MH-A.

9570. LAGERHEIM, NILS GUSTAF, 1860-1926. Mykologiska bidrag VII. Ueber *Accidium astragali* Eriksson. (Botaniska notiser, 1890, p. 272-76) *Title tr.*: Mycological contributions VII. On *Accidium astragali* Eriksson.

Contains a Latin description of *Uromyces (Uromycopsis) lapponicus* n. sp., a parasitic fungus synonymous to *Accidium astragali* Eriksson, native to Lule Lappmark, and critical notes on related species of the same genus. *Copy seen:* MH-A.

9571. **LAGERHEIM, NILS GUSTAF, 1860-1926.** Om växt-och djurlämningarna i André's buoy. (*In: Undersökningar beträffande den på Kung Karls land funna stora flytbojen från André-expeditionen*, pt. 3. *Pub.* in Ymer, 1899, arg. 19, p. 425-43) *Title tr.:* On the remains of plants and animals in André's buoy.

Annotated list of species found in the buoy, with discussion of the course of its drift and the length of time it remained on King Karls Land (Svalbard)

Copy seen: DLC.

9572. **LAGERHEIM, NILS GUSTAF, 1860-1926.** *Phaeocystis*, nov. gen., grundadt på *Tetraspora poucheti*, Har. (*Botaniska notiser*, 1893, p. 32-33) *Title tr.:* *Phaeocystis* n. gen. based on *Tetraspora poucheti* Har.

Contains a republication of *Tetraspora poucheti* Hariot n. sp., a marine alga found by G. Pouchet between Lofoten Island and Varanger Fiord in 1882, and a new generic name, *Phaeocystis* n. gen., established by the author on the basis of this species.

Copy seen: MH-A.

9573. **LAGERHEIM, NILS GUSTAF, 1860-1926.** Studien über arktische Cryptogamen. I. Ueber die Entwicklung von *Tetraëdron* Kütz. und *Euastropsis* Lagerh., eine neue Gattung der Hydrodictyaceen. (Tromsø, Norway. Museum. Aarshefter, 1895, Bd. 17, p. 1-24, plate 1) *Title tr.:* Studies of arctic cryptogams. I. On the development of *Tetraëdron* Kütz. and *Euastropsis* Lagerh., a new genus of Hydrodictyaceae.

Contains a study of the taxonomy and phylogeny of *Tetraëdron* Kütz. and *Euastropsis* Lagerh. n. gen., Latin description of this new genus of freshwater algae and *Euastropsis* (*Euastrum*) *richteri*, native to the island of Tromsø, northern Norway.

Copy seen: MH-Z.

9574. **LAGERHEIM, NILS GUSTAF, 1860-1926.** Uredineae Herbarii Eliae Fries. (Tromsø, Norway. Museum. Aarshefter, 1895, Bd. 17, p. 25-132) *Title tr.:* Uredinales of Elias Fries' Herbarium.

Contains an enumeration of over two hundred fifty species of parasitic rust fungi (order Uredinales) from various countries in the Elias M. Fries Herbarium of the Botanical Museum, Upp-

sala University, with descriptions of new or noteworthy species, synonymy, literature citations, data on distribution, bibliography (102 items), indices of rust species and host plants and a list of forty-nine types of rusts deposited in this herbarium; includes *Puccinia epilobii*, native to eastern Finnmark, Norway.

Copy seen: MH-Z.

9575. **LAGERHEIM, NILS GUSTAF, 1860-1926.** Verzeichnis von parasitischen Pilzen aus Södermanland und Bohuslän. (*Svensk botanisk tidskrift*, 1909. Bd. 3, häfte 1, p. 18-40) *Title tr.:* An enumeration of parasitic fungi from Södermanland and Bohuslän.

Contains detailed data on the history and geographical distribution of *Uromys solidaginis* a parasitic fungus, native to arctic Scandinavia, occurring also in Södermanland and Bohuslän, southern Sweden. *Copy seen:* MH-A.

9576. **LAGERKRANZ, J.** Observations on *Catabrosa aquatica* in Greenland. (*Svensk botanisk tidskrift*, 1937. Bd. 31, häfte 1, p. 117-21, illus.)

Contains botanical notes on *Catabrosa aquatica*, an aquatic grass observed first by the author in Greenland in 1934, also two years later. Includes data on habitat, associated plants and distribution in other countries, the Tromsø (Norway) and Arkhangelsk regions, arctic Siberia, and St. Lawrence Bay on Chukotsk Peninsula.

Copy seen: MH-A.

9577. **LAGERSTEDT, NILS GERHARD WILHELM, 1847- .** Sötvattensdiatomaceer från Spetsbergen och Beeren Eiland. Stockholm, P. A. Norstedt & Söner, 1873. 52 p. illus., 2 plates (Svenska vetenskapsakademien. Handlingar. Bihang. Bd. 1, no. 14) *Title tr.:* Freshwater diatoms from Spitsbergen and Bear Island.

Contains a systematic list of eighty-four desmidian algae collected by the Swedish Spitsbergen Expedition of 1861, the Swedish Arctic Expedition, 1868, and the Swedish Expedition to Greenland, 1870.

Excerpts containing Latin descriptions of twelve new species and twelve varieties were published as his *Diatomaceen von Spitzbergen und Beeren Eiland*, in *Hedwigia*, 1874, Bd. 13, no. 8, p. 116-22. (Copy in MH-F).

Copy seen: DLC.

LAGOVSKAYA, E. A., *see* Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Materialy po biologii [etc.] kamchatskogo kraba. 1945.

LAGUNA, FREDERICA DE, *see* DE LAGUNA, FREDERICA, 1906-.

9578. LAGUNOV, I. I. Molod' lososei roda *Oncorhynchus*. (Zoologicheskii zhurnal, 1939. T. 18, vyp. 5, p. 871-76, illus.) *Title tr.:* The salmon fry of the genus *Oncorhynchus*.

Contains brief morphological and biological description of the fry of five species of Pacific salmon before their descent from fresh water into the sea; based on the observations at the Kamchatka Station of the All-Union Institute of Marine Fisheries and Oceanography, in 1934 and 1937-38. Includes measurements of the fry, data on life span in fresh water, time of migration to the sea, etc. Summary in English. *Copy seen:* DLC.

LAGUNOV, I. I., *see also* Glavatskii, S. N., & I. I. Lagunov. Izvzerhenie vulkana Avachi. 1946.

9579. LAUZEN, IOSIF IVANOVICH, 1846- Die Inoceramen-Schichten an dem Olenek und der Lena. St.-Petersbourg, 1886. 1 p. l., 13 p. illus., 2 plates. (Akademiia nauk SSSR. Mémoires. Sér. 7, t. 33, no. 7) *Title tr.:* The *Inoceramus* layers of the Olenek and Lena.

Contains discussion of the Jurassic layer of over one hundred feet in the region of the lower Lena, which at the mouth of the Olenek, overlies a Triassic formation; and an annotated list of over twenty molluscan fossils characterizing the layer. *Copy seen:* DSL.

LAHUSEN, JOSEF, *see* LAUZEN, IOSIF IVANOVICH, 1846-.

9580. LAING, HAMILTON MACK, 1883- , and others. Birds and mammals of the Mount Logan Expedition. (Canada. Dept. of Mines. National Museum of Canada. Bulletin no. 56. Annual report for 1927, pub. 1929. p. 69-107)

Contents: Laing, H. M., and P. A. Taverner. Notes on birds collected and observed in Chitina River region, Alaska, p. 72-95.

Laing, H. M., and R. M. Anderson. Notes on mammals of upper Chitina River region, Alaska, p. 96-107.

Lists, with notes on habits and locations, of eighty-five birds and seven-teen mammals. Observed by the first author, who accompanied the Canadian Alpine Club party in 1925.

Copy seen: DLC.

9581. LAING, HAMILTON MACK, 1883- . Birds collected and observed during the cruise of the Thiepval in the North Pacific, 1924. Ottawa, F. A. Acland, King's Printer, 1925. 2 p. l., 64 p. incl. 2 plates, front. (Canada National Museum. Bulletin no. 40, Biological ser. no. 9)

A list, with notes on synonymy and habits, of one hundred twenty-five species, mostly from the Aleutian Islands and Kamchatka. *Copy seen:* DLC.

9582. LAING, JOHN, surgeon. An account of a voyage to Spitzbergen; containing a full description of that country, of the zoology of the North, and of the Shetland Isles; with an account of the whale fishery . . . With an appendix, containing some important observations on the variation of the compass, etc. . . . London, Printed for J. Mawman, London; and David Brown, Edinburgh, 1815. 3 p. l., 171, [2] p.

Results of the author's voyages in Greenland Sea as ship surgeon on whalers in 1806 and 1807. He describes the ice conditions, the walrus, seal, polar bear, reindeer, arctic fox and few of the birds near West Spitsbergen; also, the whaling methods.

Copy seen: NNStef.

9583. LAING, JOHN, surgeon. A voyage to Spitzbergen; containing an account of that country, of the zoology of the North; of the Shetland Isles; and of the whale fishery. With an appendix, containing an historical account of the Dutch, English, and American whale fisheries; some important observations on the variation of the compass, etc.; and some extracts from Mr. Scoresby's paper on "Polar ice". 2d ed. Edinburgh, Printed for Adam Black, 1818. 2 p. l., 165 p., 1 l.

This is second edition of the author's *Account*, 1815, q.v., with the addition of appendices. A third edition was published in Edinburgh by W. & C. Tait, 1820, and a fourth edition, Edinburgh for the author, 1822.

Copy seen: DLC (1820); NNStef (1818, 1822).

9584. LAKE, SIMON, 1866-. The development of the under ice submarine. (*In*: Wilkins, Sir G. H. Under the North Pole, 1931, p. 200-232)

Account of the author's experimentation with submarines designed for navigation in waters covered by surface ice, and his advocacy of submarines for north polar exploration; remarks on his *Argonaut*, built 1896-97 and the *Protector*, 1902, and the assignment and remodeling of a U. S. Navy submarine for Wilkins' projected expedition. *Copy seen*: DLC.

9585. LAKHTIN, V. L. Bor'ba za Arktiku. (*In*: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 108-136, maps) *Title tr.*: The struggle for the Arctic.

Discussion of the growing importance of arctic regions, their strategic and economic significance, plans (international, Swedish, German, English) for establishing permanent air communication between Europe and America over the Arctic Ocean; the struggle for control of arctic areas; historical and legal grounds for claims of various countries; the Russian-American convention of 1867, and the fundamental declaration of the Central Committee of the Soviet Union of April 15, 1926; arctic lands (discovered and undiscovered), ice-bound areas, seas and air in their international legal aspect; with a sketch map of existing and projected air lines in the northern regions of the U.S.S.R. (scale 1 in:850 km.), and one showing the division of the arctic oceanic area on the sector principle. *Copy seen*: DLC.

9586. LAKTIONOV, A. F. Aisbergi v raione Severnoi Zemli. (Problemy Arktiki, 1940, no. 9, p. 92-94) *Title tr.*: Icebergs in the region of Severnaya Zemlya.

Position of icebergs seen in 1939 and 1940; explanation of their presence. *Copy seen*: DLC.

9587. LAKTIONOV, A. F. Besposadochnyi perelet po marshrutu Moskva-Severnii poliūs-Severnaia Amerika. (Problemy Arktiki, 1937, no. 4, p. 49-53, port., map) *Title tr.*: Non-stop flight along the route Moscow-North Pole-North America.

Account of the flight of Chkalov, Beliaikov and Baidukov in the NO-25 June

18-20, landing near Portland, Oregon. Summary in English. *Copy seen*: DLC.

9588. LAKTIONOV, A. F. 25-letie otkrytiia Severnoi Zemli. (Problemy Arktiki, 1938, no. 3, p. 119-21) *Title tr.*: 25th anniversary of the discovery of Novaya Zemlya.

Historical note on the search for, and discovery of Novaya Zemlya. *Copy seen*: DLC.

9589. LAKTIONOV, A. F. Dvadsat' piat' let nauchnoi raboty v Arktike. (Sovetskaiia Arktika, 1937, no. 5, p. 38-41) *Title tr.*: Twenty-five years of scientific work in the Arctic.

Biographical sketch of V. I. U. Vize and brief account of his scientific work. *Copy seen*: DLC.

9590. LAKTIONOV, A. F. Ekspeditsiia na l/p "Sadko". (Severnii morskoi put', 1936. No. 5, p. 90-96) *Title tr.*: The expedition of the ice-breaking steamer *Sadko*.

A short account of the expedition to the north polar sea in 1935, under the leadership of G. A. Ushakov, and of the scientific work done. Summary in English. *Copy seen*: DLC.

9591. LAKTIONOV, A. F. Ekspeditsiia na ledokol'nom parokhode "Sedor" v severo-vostochnuiu chast' Karskogo moria v 1934g. (Leningrad. Vsesoiuznyi arkticheskiĭ institut. Trudy, 1936. T. 64, p. 7-41, illus.) *Title tr.*: Expedition on the ice-breaking steamer *Sedor* into the northeastern portion of the Kara Sea in 1934.

A description of the expedition organized by the Arctic Institute of the U.S.S.R. and the Hydrographic Dept. of the Main Administration of the Northern Sea Route, led by R. L. Samoilovich, Director of the Institute, with the author as head of scientific work. Notes on personnel, course of the cruise July 19-Oct. 2, 1934 in Kara and Barents Sea; outline of scientific work and summary of results (no data) on current, depths, temperatures, salinity, ice conditions, drift, bottom fauna and sediments, tides; survey of Vize and Lonely (Uyedineniia) Islands, and correction of their position on maps; hydrobiological and microbiological investigations; distribution of sea animals, physical and chemical properties of sea ice; etc. *Illus.* show types and forms of ice encountered.

Translation in English is included,
p. 29-41. **Copy seen:** DLC.

9592. LAKTIONOV, A. F. *Gidrokhimicheskie nablūdeniia na "Sibiriakove"* v 1932 g. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1936. T. 33, p. 65-74, tables, diagrs.) **Title tr.:** Hydrochemical observations on the *Sibiriakov*, 1932.

Information on analyses of specimens taken from stations in Kara and Laptev Seas. Summary in German.

Copy seen: DLC.

9593. LAKTIONOV, A. F. *Glubokovodnye gidrologicheskie nablūdeniia*. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 18, p. 5-63, tables, diagrs.) **Title tr.:** Deep sea hydrologic observations.

Results of observations made of twenty-two stations in the northwestern section of Kara Sea, Sept. 1931 by the *Lomonosov*. Discussion, with tabular and diagrammatic presentation of data on temperature, salinity, oxygen, pH, and phosphates in regard to water masses, inflow of warm Atlantic water, and effect of ice on water temperatures. Summary in German.

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9593A. LAKTIONOV, A. F. The hydrological régime of the Barents and Kara Seas (a short description). (*In:* Samoilovich, R. L., and A. A. Ermolaev, editors. *The Novaya Zemlya excursion*, 1937. Pt. 1, p. 7-27, illus., fold. chart. Pub. as: International Geological Congress. 17th, *Moscow and Leningrad*, 1937. [Guide-books for excursions, 21])

Translation of his *Kratkii ocherk gidrologii morei, omyvaishchikh berega Novoī Zemli*, 1937, q.v.

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9594. LAKTIONOV, A. F. *Istoriia borby za dostizhenie Severnogo poliūsa*. (Meteorologiia i gidrologiia. 1937. No. 6, p. 12-17, fold. map) **Title tr.:** The history of the struggle to reach the North Pole.

A brief account of expeditions to the North Pole, 1527 to 1937.

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9595. LAKTIONOV, A. F. *Itogi issledovaniī lediānogo pokrova morei sovetскоi Arktiki i ledovye prognozy*. (Vsesoiūznoe geograficheskoe obshchestvo. *Izvestiia*, 1945. T. 77, p. 341-50)

Title tr.: A summary of the research on the ice cover of the Soviet arctic seas and ice forecasting.

On the work of the Arctic Institute and its immediate predecessors only. Summarized in English in *Polar record*, 1950, v. 5, no. 39, p. 458-73.

Copy seen: NNA.

9596. LAKTIONOV, A. F. *K voprosu ob otkrytii ostrova Ushakova i melkovod'ia "Sadko"*. (U.S.S.R. Hidrograficheskoe upravlenie. *Zapiski po gidrografii*, 1936, no. 1, p. 28-32, map) **Title tr.:** On the question about the discovery of Ushakov Island and "Sadko" shallows.

Historical sketch of the search for this island in Kara Sea, and its discovery (at 80°53'N. 79°25'E.) by the party under G. A. Ushakov on the icebreaker *Sadko*, in 1935.

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9597. LAKTIONOV, A. F. *Kratkii ocherk gidrologii morei, omyvaishchikh berega Novoī Zemli*. (Mezhdunarodnyi geologicheskii kongress. 17 sessiia, SSSR, 1937. *Novozemel'skaia ēkskursiia*. Leningrad, 1937. Chast' 1, p. 7-28, illus., maps (incl. 1 fold) tables) **Title tr.:** Brief sketch of the hydrology of the seas washing the coasts of Novaya Zemlya.

Description of the hydrological régime of Barents and Kara Seas, based on observations from the Marine Scientific Institute's research vessel *Persei*, and on the literature. Includes data on the physical geography, bottom relief, constant currents; temperature and salinity, oxygen content, tides, ice conditions, and icebergs. Fold. map shows constant currents of Barents and Kara Seas.

Also published in English with title: *The hydrological régime of the Barents and Kara Seas (a short description)*, 1937, q.v.

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9598. LAKTIONOV, A. F. M. V. *Lomonosov i Severnyi morskoi put'*. (Problemy Arktiki, 1940, no. 6, p. 5-20, port., maps) **Title tr.:** M. V. Lomonosov and the Northern Sea Route.

Lomonosov's writings on possibility of navigation in Arctic Ocean; his sponsorship of V. Ia. Chichagov's two expeditions of 1765-66, "to East India by the Siberian Sea", — expeditions which only reached Spitsbergen.

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9599. LAKTIONOV, A. F. Meteorologicheskie nablūdeniia, proizvedennye ekspeditsei na l/p "Sedov" i g/s "Taimyr" v 1934 g. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1936. T. 64, p. 171-93, tables)

Observations taken four-eight times daily on board the *Sedov* in Kara Sea and on Vize Island, July 26-Sept. 22, and in Barents Sea, July 20-26, Sept. 22-Oct. 1, 1934; also observations taken every four hours on board the *Taimyr* while cruising in Barents Sea and along the shores of Franz Josef Land and Novaya Zemlya, Aug. 15-Sept. 7, 1934. *Copy seen:* DLC.

9600. LAKTIONOV, A. F. Meteorologicheskie nablūdeniia, proizvedennye na sudne "Lomonosov" letom 1931 goda. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 18, p. 91-104, tables) *Title tr.:* Meteorological observations taken on the ship *Lomonosov* in the summer 1931.

Routine observations made about every four hours in Barents Sea July 21-Sept. 17-29, and in Kara Sea, Sept. 2-9, 1931. *Copy seen:* DLC.

9601. LAKTIONOV, A. F. Nablūdeniia nad poverkhnostnym sloem vody v Barentšovom more v 1931 godu. (Leningrad. Vsesoiūznyi arkticheskii institut. Trudy, 1935. T. 18, p. 65-84, tables, diagrs.) *Title tr.:* Surface observations in Barents Sea in 1931.

Observations taken for the Arctic Institute during the voyage of the *Lomonosov* from Archangel to Franz Josef Land: data on temperature, salinity and alkalinity. Summary in German. *Copy seen:* DLC.

9602. LAKTIONOV, A. F. Novye dannye o granitše priipaia v Vostochnosibirskom i Karskom moriakh. (Problemy Arktiki, 1938, no. 2, p. 223-24) *Title tr.:* New data on the extent of static coast ice in East Siberian and Kara Seas.

A summary of information to date, based on observations of several field excursions and a flight along the coast. *Copy seen:* DLC.

9603. LAKTIONOV, A. F. O metodike ledovykh prognozov po planktonu. (Problemy Arktiki, 1940, no. 9, p. 27-34, table) *Title tr.:* On the methods of ice forecasting according to plankton.

Criticism of the theory of ice forecasts in Bogorov, V. G., *Osobennosti sezonnykh iavlenii v planktone*, 1938, q.v. *Copy seen:* DLC.

9604. LAKTIONOV, A. F. O srednikh kromkakh l'da Barentšova moria. (Problemy Arktiki, 1940, no. 7-8, p. 28 fold. map) *Title tr.:* On the average ice border in Barents Sea.

Charts prepared according to data of the Danish Meteorological Institute, showing the mean, maximum, and minimum expansion of ice at the sea border during five summer months (April-August) for the period preceding the so-called warming-up of the Arctic (1898-1920) and during the warming-up period (1921-38). *Copy seen:* DLC.

9605. LAKTIONOV, A. F. O svoistvakh morskogo l'da. (Leningrad. Nauchno-issledovatel'skii institut po izuchenii Severa. Trudy, 1931. Vyp. 49, p. 71-96, tables, diagrs.) *Title tr.:* On the properties of marine ice.

A study based on ice observations made during the voyage of the ice-breaker *Sedov* to Franz Josef Land in 1929 and on results of laboratory investigations on the process of ice formation and the qualities of various ice formations (temperature, salinity, chemistry). Summary in German. *Copy seen:* DLC.

9606. LAKTIONOV, A. F. Operatsii po poiskam samoleta geroia sovetskogo soiūza S. A. Levanevskogo v 1937 godu. (Problemy Arktiki, 1938, no. 1, p. 134-52) *Title tr.:* Operations conducted in the search of the plane of S. A. Levanevskii, 1937.

Account of the search for S. A. Levanevskii and five companions lost on a trans-polar flight in Aug. 1937, from Moscow to United States, before their scheduled stop in Alaska. *Copy seen:* DLC.

9607. LAKTIONOV, A. F. Operatsii po sniatiu stantšii "Severnnyi polius". (Problemy Arktiki, 1938, no. 2, p. 15-20) *Title tr.:* Operations on relieving the station "North Pole."

A brief account of the voyages of several ice-breakers and of the relief of the ice-floe drifting station "North Pole." *Copy seen:* DLC.

9608. LAKTIONOV, A. F. Organizatsiia poliarnoi stantšii v raione Sever-

nogo pol'usa. (Problemy Arktiki, 1937, no. 4, p. 25-36, ports, map) *Title tr.*: Organization of a polar station in the region of the North Pole.

A short account of the flights of the U.S.S.R. Expedition to the North Pole, 1937, and of the equipping of the ice-floe drifting station "North Pole". Summary in English.

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9609. LAKTIONOV, A. F. Osnovnye plavaniia i dreif l/p "G. Sedov", 1926-1940 gg. (Problemy Arktiki, 1940, no. 2, p. 114-25, illus., fold. map) *Title tr.*: The main voyages and drift of the ice-breaker *G. Sedov*, 1926-1940.

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9610. LAKTIONOV, A. F. Prof. V. I. U. Vize; k dvadtsatipiatiletii nauchno-issledovatel'skoi deiatel'nosti v Arktika. (Problemy Arktiki, 1937, no. 2, p. 170-74, port.) *Title tr.*: Prof. V. I. U. Vize; twenty-five years of scientific work in the Arctic. A biographical review. Summary in English, p. 209-211.

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9611. LAKTIONOV, A. F. Severnaia Zemlia. (Moskva, Leningrad, Izd-vo Glavsevmorputi, 1946. 152 p., illus., maps (incl. 1 fold.) tables, diagrs.) *Title tr.*: Severnaya Zemlya [i.e. Northern Land].

Historical sketch of the discovery of this archipelago and establishment of Russian sovereignty there in 1913, p. 13; first Soviet reconnaissance expedition, 1923-30, the Severnaia Zemlia Expedition, under G. A. Ushakov, 1932-34, and other Russian parties' work in the islands till 1942, p. 21-64. Includes descriptions of the physical geography, geomorphology and geological structure of the region p. 64-80; glaciation, icebergs and glaciers, p. 80-90. Climate: summary of meteorological observations at the polar stations on Domashniy Island (about 79°30'N. 91°E.) and Cape Olovnyanny (78°56'N. 99°56'E.) on air temperatures; atmospheric pressure; wind-frequency, velocity and direction; cloudiness; precipitation, snow storms and fog, p. 90-102. Summary of oceanographic observations (temperature-salinity régime, currents, ice conditions), p. 103-26. Vegetation and animal life, p. 126-44. Bibliography (70 items).

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9612. LAKTIONOV, A. F. Severnyi pol'us. Ocherk istorii putesthestvii k

t'sentru Arktiki. Moskva, Izd-vo Glavsevmorputi, 1949. 394 [1] p., illus., maps. *Title tr.*: North Pole, historical sketch of voyages to the center of the Arctic.

Outline of conception of the region in antiquity, notable voyages from ancient times through the 18th century, p. 3-34; chapters on twenty-six expeditions through the 19th and early 20th centuries (to the *Maud* Expedition), p. 34-193; recent expeditions, flights, drifts, etc., in the Arctic Basin and "region of relative inaccessibility", 1925-45, p. 193-325. General review (p. 326-90) of present-day knowledge of the nature of the Arctic Basin, its origin, geological history, climate, terrestrial magnetism, waters, currents, ice pack, drift ice, animal life, etc.; the polar night and its affect on man; aurora borealis. Bibliography, p. 391-93.

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9613. LAKTIONOV, A. F. Soderzhanie kisloroda v severo-vostochnoi chasti Karskogo moria. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1936. T. 64, p. 195-209, 2 charts (1 fold.), diagrs.) *Title tr.*: Oxygen content of the northeastern part of Kara Sea.

Discussion of horizontal and vertical distribution and variation in amount of oxygen, based on data from one hundred two stations, collected during July to Sept. 1934, by the ice-breaker *Sedov*. Summary in English.

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9614. LAKTIONOV, A. F. Sostoianie l'da v more, omyvaushchem severo-zapadnye berega Zemli Frantsa-Iosifa v 1932-33 g. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 34, p. 45-52) *Title tr.*: Ice conditions on the sea around the north-western coast of Franz Josef Land in 1932-33.

Description of ice conditions as observed from land during the period Aug. 1932-Aug. 1933.

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9615. LAKTIONOV, A. F. Sostoianie l'dov v Barentsovom more i severnoi chasti Karskogo moria po nabludeniiam na sudne "Lomonosov" v 1931 godu. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1935. T. 18, p. 85-90. 3 illus.) *Title tr.*: Ice conditions in Barents Sea and the northern part of Kara Sea according to observations from the ship *Lomonosov* in 1931.

Observations during July 31 to Sept. 11, 1931.

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9616. LAKTIONOV, A. F. Sudovye nablūdeniia nad sostoiāniem l'dov v poliarnykh moriakh v navigatsiū 1934 g. Leningrad, 1935. 99 p., maps (part. fold.) (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy. T. 32) **Title tr.:** Ships' observations on the ice conditions in the arctic seas, navigation season, 1934.

Ice conditions in Kara, Barents, Laptev, East Siberian and Chukchi Seas, based on reports of nineteen ships and several planes. Summary in German.

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9617. LAKTIONOV, A. F. Tridtsat' let raboty l/p "Georgii Sedov". (Problemy Arktiki, 1939, no. 4, p. 75-77, fold. map)

Brief chronological review of this ice-breaker's work and a map showing the routes of its main arctic cruises.

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9618. LAKTIONOV, A. F. Usloviia plavaniia v Russkoĭ Gavani. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1935. T. 18, p. 104-106, fold. map) **Title tr.:** On navigation in Russkaya Gavan'.

General information on navigation conditions in this west Novaya Zemlya harbor, based on data prepared for the Arctic Institute in 1931; with a map 1:100,000.

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9619. LAKTIONOV, A. F., and L. L. BALAKSHIN. Glubokovodnye gidrologicheskie nablūdeniia ėkspeditsii na "Sedove" 1934 g. (Leningrad. Vsesoiūznyĭ arkticheskii institut. Trudy, 1936. T. 64, p. 43-157, illus., tables, diagrs.) **Title tr.:** Deep-sea hydrological observations of the expedition on the *Sedov* in 1934.

Discussion (illustrated with vertical section, horizontal distribution, and dynamic charts) of the temperature and salinity; tables of transparency and color with a few notes; and tidal observations. **Tables:** oceanographic observations including oxygen and alkalinity data, from one hundred two stations, for July-Aug. Summary in English.

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9620. LAKTIONOV, A. F., and V. V. DREMLIUG. Analiz skorosti dvizheniia sudov vo l'dakh arkticheskikh moreĭ.

(Problemy Arktiki, 1944. no. 1, p. 5-32) **Title tr.:** Analysis of the speed of movement of ships in the ice of the arctic seas.

Effect of various quantities and types of sea ice on speed of ice-breakers and freighters; based on analysis of journals of forty-five voyages in Soviet arctic waters 1933-41.

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LAKTIONOV, A. F., see also Gakkel', I. A. I. A., & A. F. Laktionov. Al'bom ledovykh obrazovaniĭ. 1940.

LAKTIONOV, A. F., see also Vize, V. I. U., & A. F. Laktionov. Glubokovodnye gidrologicheskie nablūdeniia. 1931.

LAKTIONOV, A. F., see also Vize, V. I. U., & A. F. Laktionov. Glubokovodnye gidrologicheskie nablūdeniia. 1933.

9621. LAMAR, WILLIAM HARMONG, 1859-1928, and FRANK W. ELLIS. Physical observations during the Lady Franklin Bay Expedition of 1883. Washington, U. S. Govt. Print. Off., 1884. 62 p. col. front., 12 col. plates, fold. map. (U. S. Army. Signal Corps. Signal Service notes, no. 14) Supplement to Signal Service notes, no. 10.

Based on work of the *Proteus* and *Yantic*, Greeley Relief Expedition vessels, in 1883. Six-times daily meteorological observations, June 13-July 24 (when the *Proteus* was lost in the ice) between the east coast of the United States and Smith Sound; extracts from the meteorological observer's journal July 25 to Aug. 31, when the *Proteus* party reached the *Yantic*; and magnetic observations at Godhavn, West Greenland.

Chart: course of *Yantic* and *Proteus* showing position of vessels at each meteorological observation; and courses of the whale boats on the retreat from the wreck of the *Proteus*.

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LA MARTINIÈRE, PIERRE MARTIN DE, 1634-1690, see MacRitchie, D. Arctic voyager of 1653. 1909.

9622. LAMB, I. MACKENZIE. Lichens from East Greenland, collected by the Wager Expedition, 1935-36. (Nytt magasin for naturvidenskapene, 1940. Bd. 80, p. 263-86, 2 plates, illus.)

Contains an enumeration of thirty-eight lichens from Kangerdlugssuaĭ district and Knud Rasmussen Land,

East Greenland, collected during the British East Greenland Expedition under L. R. Wager, 1935-36. Includes Latin and English descriptions of three new species and four new varieties.

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9623. LAMBERT, H. F. J. The ascent of Mt. Natazhat (13,480 feet) in Alaska (1913). (Canadian alpine journal, 1914-15, pub. 1915. v. 6, p. 1-10, 2 plates)

Includes description of the surrounding territory (about 61°30'N. 141°W.) near the International Boundary line, and remarks on Klutlan Glacier.

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9624. LAMBERT, H. F. J. The conquest of Mount Logan. (Geographical journal, July 1926. v. 68, p. 1-26, 8 plates (part fold.) fold. map)

A narrative of the ascent in June 1925 by members of the Alpine Club of Canada and the American Alpine Club.

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9625. LAMBERT, H. F. J. The Harry Snyder Canadian Expedition, 1937. (Canadian alpine journal, 1937. v. 25, p. 1-18, 3 plates, sketch map)

Account of this expedition which during June-Sept. 1937, collected biological specimens for the American Museum of Natural History, N. Y., and the National Museum of Canada, Ottawa, and began the survey of the Snyder Mts. along the headwaters of the South Nahanni River (left tributary of the Liard River, Mackenzie District). Describes (briefly) the party's ascent of the river and its scientific work, and sketches previous exploration of the region.

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9626. LAMBERT, H. F. J. Hunting the Barren Ground grizzly on the shores of the Arctic. (Canadian field naturalist, Oct. 1919. v. 33, p. 77-78, illus.)

Account of shooting a grizzly bear (*Ursus internationalis* Merriam) forty-five miles inland from the Arctic Ocean on the Yukon side of the International boundary.

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9627. LAMBERT, H. F. J. Notes on the Klutlan glacier and glaciers of the Pacific coast ranges through Canada and Alaska. (Canadian alpine journal, 1920, v. 11, p. 147-55, 3 plates)

Report on observations made by the author on the glacier which crosses the International Boundary eighty miles north of Mt. St. Elias.

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9628. LAMBE, LAWRENCE MORRIS, 1863-1919. Catalogue of the recent marine sponges of Canada and Alaska. (Canadian field naturalist, Dec. 1900. v. 14, p. 153-72)

List, with bibliographic notes and data on distribution, of ninety-one species, from localities ranging between the Alaskan arctic waters, Bering Sea, Aleutian waters, Gulf of Alaska, Davis Strait, and Hudson Bay.

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9629. LAMBE, LAWRENCE MORRIS, 1863-1919. Notes on Hudson Bay sponges. (Canadian field naturalist, Mar. 1900. v. 13, p. 277-79)

Discussion of the distribution, in the present-day waters of Hudson Bay and Strait, and in the Pleistocene clays of eastern Canada, of the four species of living sponges.

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9630. LAMBE, LAWRENCE MORRIS, 1863-1919. On *Arctotherium* from the Pleistocene of Yukon. (Canadian field naturalist, 1911. v. 25, p. 21-26, 2 plates)

Detailed description of the skull of a giant bear found at Gold-Run Creek.

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9631. LAMBE, LAWRENCE MORRIS, 1863-1919. Sponges from the coasts of northeastern Canada and Greenland. (Royal Society of Canada. Transactions, 1900. Ser. 2, v. 6, sec. 4, p. 19-49, incl. 6 plates)

Based on an examination of museum specimens, from the southern coast of Labrador, Baffin Bay and Davis Strait, with a very few from Hudson Bay.

Contains a systematic, annotated list, with synonyms, references, and localities, of twenty (including with descriptions, eleven new) species.

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LAMBE, LAWRENCE MORRIS, 1863-1919, *see also* Canada. Dept. of Marine & Fisheries. Rapport de l'expédition. *Le Neptune* 1903-04. 1912.

LAMBE, LAWRENCE MORRIS, 1863-1919, *see also* Canada. Dept. of Marine & Fisheries. Report on Dominion Govt.

Exped. Hudson B. *Neptune* 1903-04. 1906.

9632. LAMBERT GUSTAVE, d. 1871. L'expédition au pôle nord. (Société de géographie. Bulletin, 1867, pub. 1868. Sér. 5, t. 14, p. 559-694, fold. map)

The author in projecting a program of French polar exploration (which never materialized) here summarizes polar exploration in general, current opinions on routes to the Pole, and scientific knowledge of the day. Lambert suggests an approach to the North Pole via Bering Strait.

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LAMBERT, GUSTAVE, d. 1871, *see also* Malte-Brun, V. A. Trois projets, d'explor. au pôle nord. 1868.

9633. LAMBERT, RICHARD STANTON, 1894- . Franklin of the Arctic. Toronto, McClelland & Stewart, 1949. 338 p. illus., maps.

"A full and stirring story of the life of the discoverer of the Northwest Passage, from his boyhood to his death on board the imprisoned *Erebus*."—*Arctic*, Apr. 1950. v. 3, no. 1, p. 67. Includes bibliography.

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LA MONNOYE, DAFFRY DE, *see* DAFFRY DE LA MONNOYE, LÉON, b. 1823.

9634. LAMONT, ARTHUR H. Ice conditions over Hudson Bay and related weather phenomena. (American Meteorological Society. Bulletin, Oct. 1949. v. 30, p. 288-89)

Based on the author's experience as meteorological officer at Churchill, on the west coast of Hudson Bay, Oct. 1946-Aug. 1948; notes on nature and extent of ice, and the weather observed in relation to ice conditions.

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9635. LAMONT, JAMES, 1828-1913. Notes about Spitzbergen in 1859. (Geological Society of London. Quarterly journal, Mar. 1860. v. 16, p. 428-44)

Contains description of the physical features of the southeast and east coasts of West Spitsbergen, including glaciers, walrus, and other animals, based on a visit of several weeks.

Appendix: (1) rock specimens (including west-coast locations); (2) recent shells; (3) bones of whales collected above sea level; (4) Prest-

wich, J. Description of the gravels. (5) Salter, J. W. Note on the fossils. (6) Horner, L. Notes on the rock specimens from Spitzbergen, collected by Capt. Parry and Lt. Foster, 1827.

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9636. LAMONT, JAMES, 1828-1913. Seasons with the sea-horses; or, Sporting adventures in the northern seas. New York, Harper & Brothers, 1861. 2 p. l., [ix]-xiii, [1] p. 1 l., [17]-282 p. incl. 6 plates. front., fold. map.

During a brief period in summer 1858 and in 1859 the author cruised the Svalbard waters hunting walrus, and shooting reindeer, polar bear and other game. He describes here his experiences, gives chapters on the walrus, reindeer, arctic fox, polar bear, and other wildlife of West Spitsbergen, a brief history of the early voyagers and hunters on the island and good notes on ice conditions, with reference to the polar sea. *Copy seen:* DLC; NNSStef.

9637. LAMONT, JAMES, 1828-1913. Yachting in the arctic seas; or, Notes of five voyages of sport and discovery in the neighbourhood of Spitzbergen and Novaya Zemlya. London, Chatto & Windus, 1876. viii, 387 p. illus., 22 plates (part fold.) 2 fold. maps.

Contains an account of the author's cruise in the *Diana* in summer 1869, in southern Barents Sea, along the west coast of Novaya Zemlya to about 75°N., westward along the ice line to northern West Spitsbergen, then south and eastward into the waters of Stor Fiord and Edge Island. Includes description of walrus, seal and reindeer hunting, historical notes, remarks on ice conditions and on the coasts visited.

Appendix: Table of chronicles on the Spitsbergen, Barents, and Kara Seas from the voyage of Ohthere (890 A.D.) to 1875. *Copy seen:* DLC; NNSStef.

9638. LAMPE, K. Die Polargebiete in der internationalen Politik. (Arkhis, 1930. Jahrg. 3, p. 74-90, incl. 2 sketch maps) *Title tr.:* The polar regions in international politics.

Discussion of sovereignty in the Arctic and Antarctic, international law, with remarks on the waters.

Copy seen: DLC; NNSStef.

9639. LAMPLUGH, GEORGE WILLIAM, 1859-1926, and others. On the shelly moraine of the Sefström Glacier

and other Spitsbergen phenomena illustrative of British glacial conditions. (Yorkshire Geological Society. Proceedings, 1911, pub. 1912. New ser. v. 17, p. 216-41, illus., 13 plates)

Record of the author's observations made during the Spitsbergen excursion of the 11th International Geological Congress, 1910, into the several branches of Ice Fiord. Notes on former glaciation and present conditions, the Sefström Glacier and its remarkable fluctuations, Cora Island covered by the Sefström moraine, with a description of its cauldrons, by Dr. A. Strahan; the author's further detailed description of the moraine, with a *List of shells, etc. from Cora Island*, by G. DeGeer; further description of moraines of the Nordenskiöld and Von Post Glaciers. **Copy seen:** DGS.

9640. LA NAUZE, C. D. A police patrol in the North-West Territories of Canada. (Geographical journal, May 1918. v. 51, p. 316-23, 2 plates)

Contains an account of a journey from Fort Norman to Great Bear Lake, thence across to, and down the Coppermine River and along the northern coast to Bernard Harbour; descriptions of the country, the customs of the Copper Eskimos, and the hunting and fishing possibilities on Coronation Gulf to the Mackenzie delta. Includes the narrative of the police search for two Eskimos, their arrest, trial, and sentence for murder.

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LANCELIN, GASTON, *see* Carfort, R. de, & G. Lancelin. Études sur mouvement glaciers Baie de Recherche. 1894.

9641. LANDIN, I. A. Chto mozhët dat' aviatsiia Kamchatskomu kraiu. (In: Obshchestvo izucheniia Sovetskoi Azii. Vozdushnye puti Severa, 1933, p. 233-36, diars., maps, tables) **Title tr.:** What aviation has to offer to the Kamchatka region.

Discussion of the necessity and prospects of air communication with and on Kamchatka; the geographical and meteorological conditions; the task of air communication, transport and exploration; with sketch map of the air routes in northeastern Siberia existing or planned for 1932. **Copy seen:** DLC.

9642. LANDMARK, A. Nyt Norsk voxested for *Stellaria longipes*, Goldie.

(Botaniska notiser, 1902, p. 141-43) **Title tr.:** A New Norwegian locality for *Stellaria longipes*, Goldie.

Contains a report of the finding of *Stellaria longipes* near Talvik, Finnmark, Norway, and data on distribution of this herb in other Scandinavian arctic regions. **Copy seen:** MH-A.

9643. LANDSBERG, HELMUT ERICH, 1906-. The use of solar energy for the melting of ice. (American Meteorological Society. Bulletin, Mar. 1940. v. 21, p. 102-107)

Review of experimentation on melting of glacier and other ice by solar radiation, with a bibliography (8 items). **Copy seen:** DLC.

9644. LANE, ALFRED CHURCH, 1863-. Northern climatic variations affecting geotherm initial. (Canadian mining and metallurgical bulletin, July 1946. No. 411, p. 397-402)

Discussion of soil temperatures in relation to permafrost, referring to occurrences in North America and elsewhere. **Copy seen:** DGS.

9645. LANE, BOB. Wolves are queer devils. (Alaska sportsman, Jan. 1941. v. 7, no. 1, p. 10-11, 32-34, illus.)

Discussion of southeastern Alaska wolves, and facts about their habits which one needs to know in order successfully to trap them.

Copy seen: DLC.

9646. LANG, ARTHUR HAMILTON, 1905-. The Cordilleran Region of western Canada. (In: Canadian Institute of Mining and Metallurgy. Geology Division. Structural geology of Canadian ore deposits, 1948. p. 1-19, 3 sketch maps)

The region includes most of British Columbia, and the Yukon and parts of Alberta and Northwest Territories. Succinct information on its general geology, structure, and lode deposits; and summary of structural controls exemplified by mines; with a bibliography (11 items). **Copy seen:** DGS.

9647. LANG, ARTHUR HAMILTON, 1905-, and others, compilers. Interim catalogue of the Geological Survey collection of outstanding air photographs. Ottawa, 1947. 17 l. (Canada. Geological Survey. Paper 47-26). Mimeographed. Other compilers: H. S. Bostock and Y. O. Fortier.

Brief descriptions of three collections of photographs on (1) phenomena (glaciers, land forms, etc.), (2) regions, and (3) mapping (to use in teaching geological mapping with the aid of photographs), each collection including material on the Yukon and Northwest Territories.

Copy seen: DGS.

9648. LANG, ARTHUR HAMILTON, 1905-. Notes on prospecting for uranium in Canada. Ottawa, 1949. 2 p. l., 22 numb. l. (Canada. Geological Survey. Paper 49-4) Mimeographed.

Contains general notes on the history, mineralogy, and types of deposits, the use of Geiger counters and atomic energy regulations; also notes on districts which may be favorable for uranium occurrence; with a bibliography (29 items) and a list of maps.

Copy seen: CaOGB; DGS.

9649. LANG, G. Några sällsynta eller för Sverige nya *Cladonia*-arter (Botaniska notiser 1912, häfte 1, p. 33-37) **Title tr.:** Some species of *Cladonia* rare or new to Sweden.

Contains critical notes on five lichens of the genus *Cladonia*, rare or new to the flora of Sweden, including four occurring in Torne Lappmark.

Copy seen: MH-A.

9650. LANG, HERBERT. Problems and facts about frozen Siberian mammoths (*Elephas primigenius*) and their ivory. (Zoologica, Jan. 1925. v. 4, p. 25-53, incl. 7 full p. of illus.)

Review, in popular style, of early and recent accounts of mammoth finds; detailed notes on physical characteristics of the mammoths, notes on their habits and habitat and mention of range, from the Urals to the Kolyma River and New Siberian Islands.

Copy seen: DSI-M; NNStef.

9651. LANG, KARL. Die während der schwedischen Expedition nach Spitzbergen 1898, und nach Grönland 1899 eingesammelten Harpacticiden. Stockholm, Almqvist & Wiksell, 1936. 55 p. illus. (Svenska vetenskapsakademien. Handlingar, 3 ser., bd. 15, no. 4) **Title tr.:** Harpacticidae collected during the Swedish Expedition to Spitzbergen, 1898 and to Greenland, 1899.

List, with synonymy, remarks and localities, of species (including sixteen

new) collected in the Svalbard waters and the Greenland Sea.

Copy seen: DLC.

9652. LANGDON-DAVIES, JOHN. Greenland's ice-stone mountain. (Discovery, Dec. 1949. v. 10, p. 386-92, illus.)

Notes on the cryolite deposit at Ivigtut, and on the history of aluminum production by use of cryolite.

Copy seen: DLC.

9653. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898. Bemaerkninger om de af expeditionerne i aarene 1880-85 samlede karplanter fra vestkysten af Grønland. (Meddelelser om Grønland, 1889. 8. hefte, p. 131-50) **Title tr.:** Remarks on the vascular plants collected on the west coast of Greenland by expeditions, 1880-85.

Based on collections made by expeditions to Julianehaab District in 1880, to Cape Farewell, 1881, to Umanak Fiord, 1878-80, to the west coast of Greenland (Disko Bay) 1883, to the same area (Holsteinsborg, Sukkertoppen, and Godthaab Districts) 1884-85, and the *Fylla* Expedition of 1884. Lists of species for each expedition's collection, and a short list for the southeastern coast. Summary in French at end of volume.

Copy seen: DLC.

9654. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898. Bemaerkninger om de af expeditionerne i aarene 1886-87 samlede karplanter fra vestkysten af Grønland. (Meddelelser om Grønland, 1889. 8. hefte, p. 281-88) **Title tr.:** Remarks on the vascular plants from the west coast of Greenland collected on the expeditions in 1886-87.

Based on collections made by the *Fylla* Expedition, 1886, and the Expedition to Greenland's West Coast, 1886-87. Lists with localities (Upernavik, Prøven, Godhavn, north and south Isortok Fiord, Holsteinsborg, Godthaab, Sukkertoppen, and Frederikshaab) of nearly two hundred species, many not previously reported from West Greenland. Summary in French at end of volume.

Copy seen: DLC.

9655. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898. Bemaerkninger om de i 1883-85 indsamlede planter paa Østkysten af Grønland. (In: Østgrønlandske expedition, 1883-1885. Be-

retninger 1. del, 5. *Pub.* in: Meddelelser om Grønland, 1889. 9. hefte, p. 271-83) *Title tr.*: Remarks on the plants collected in 1883-85 on the east coast of Greenland.

Contains lists of the species collected by Hans Knutsen and Peter Eberlin, arranged to show new species and to give a comparison of their occurrence and distribution on the west and east coasts. Summary in French, p. 396-98.

Copy seen: DLC.

9656. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898, and others. *Conspectus florae Groenlandicae. Oversigt over Grønlands flora.* Kjøbenhavn. C. A. Reitzel, 1880-1894. 5 pt.: xxxvi, 1016 p. illus. plates 1-2, 5 fold. maps. (Meddelelser om Grønland, 3. hefte) *Title tr.*: *Conspectus of the flora of Greenland. Survey of Greenland flora.*

Part 1 of this work (xxxvi, 231 p.) was republished in 1890 as second edition ("Andet oplag") in Meddelelser om Grønland, 3. hefte, 1, 229 p. *Contents tr.*: pt. 1 (pub. 1880.) Lange, J. M. C. Preface, p. vii-xv; Bibliography, etc., p. xvi-xxvi.

LANGE, J. M. C. Dicotyledons - Monocotyledons - Gymnosperms - vascular cryptogams, p. 1-221.

KORNERUP, A. N. General notes on the nature of Greenland, p. xxvii-xxxvi; French résumé, p. 224-31.

Pt. 2 (pub. 1887). LANGE, J. M. C. Preface, p. xxxvii-1; supplement to phanerogams and vascular cryptogams, p. 233-308.

LANGE, J. M. C., and C. E. O. JENSEN. Mosses of Greenland, p. 309-446.

Pt. 3 (pub. 1887-88). DEICHMANN BRANTH, J. S., and C. C. H. GRØNLUND. Lichen flora of Greenland. (pub. 1887). p. 447-513.

ROSTRUP, E. A revision of Greenland fungi. (pub. 1888). p. 515-90.

Pt. 4 (pub. 1891-92). ROSTRUP, E. Supplement to Greenland fungi, (pub. 1891). p. 591-643.

KOLDERUP-ROSENVINGE, J. L. A. Second supplement to phanerogams and vascular cryptogams of Greenland. (pub. 1892). p. 645-749.

DEICHMANN BRANDT, J. S. Supplement to the lichen flora of Greenland, (pub. 1892). p. 751-62.

Pt. 5 (pub. 1893-94). KOLDERUP-ROSENVINGE, J. L. A. Marine algae of Greenland, (pub. 1893). p. 763-981.

Index of vascular plants, p. 983-94; index of geographic names, p. 995-1016.

This critical flora of Greenland, compiled by J. M. C. Lange with collaboration of various specialists, contains Latin descriptions, synonymy, critical notes and data on Greenland and total distributions; bibliography (about 200 items), and algal bibliography (74 items, see J. L. A. Kolderup-Rosenvinge, 1893). Each paper appears in this Bibliography under its author's name. French translation of the preface (by J. M. C. Lange), p. 215-23.

Copy seen: DGS (pt. 2-5); DLC (pt. 1 only); MH.

9657. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898. I. Dicotyledoneae- II. Monocotyledoneae- III. Gymnospermae- IV. Cryptogamae vasculares. (In: Lange, J. M. C., and others. *Conspectus florae Groenlandicae. Pars. 1. Pub.* in: Meddelelser om Grønland, 1880. 3. hefte, p. 1-214, 3 maps) *Title tr.*: Dicotyledons - Monocotyledons - Gymnosperms - Vascular cryptogams. Second edition of this paper was published as Meddelelser om Grønland, 1890. 3. hefte, p. 1-221.

Contains a critical revision of three hundred seventy-eight species of flowering plants and vascular cryptogams of Greenland, with Latin descriptions, synonymy, critical notes and data on Greenland and total distribution.

For continuation see J. M. C. Lange, *Tillaeg til fanerogamerne og karsporeplanterne*, 1887, and J. L. A. Kolderup-Rosenvinge, *Andet tillæg, til Grønlands fanerogamer og karsporeplanter*, 1892. Appended (p. 212-214) is a list of native Greenlandic names for plants with Latin and/or Danish equivalents.

Copy seen: DLC (1880); MH (1890).

9658. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898. *Tillaeg til fanerogamerne og karsporeplanterne.* (In: Lange, J. M. C., and others. *Conspectus florae Groenlandicae. Pars 2. Pub.* in Meddelelser om Grønland, 1887. 3. hefte, p. 231-308) *Title tr.*: Supplement to phanerogams and vascular cryptogams of Greenland.

Contains Latin descriptions of additional flowering plants to the author's *Dicotyledoneae*, etc., 1880, and additional data to the plants described in the same work. For continuation see

J. L. A. Kolderup-Rosenvinge, *Andet tillæg*, 1892. **Copy seen:** DGS; MH.

9659. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898, and A. KORNERUP. Bemaerkninger om de af Cand. Kornerup i 1878 samlede planter paa vestkysten af Grønland af J. Lange. Om det organiske liv paa en af nunatakkerne, af A. Kornerup. (Meddelelser om Grønland, 1879. 1. hefte, p. 141-52) **Title tr.:** Remarks on the plants collected by Cand. Kornerup in 1878 on the west coast of Greenland, by J. Lange. Concerning the organic life on a nunatak, by A. Kornerup. 128 species of plants are listed, with remarks on their distribution. The second paper is a note on the plant and animal life found on a nunatak ten miles from the coast, on the inland ice.

Copy seen: DLC.

9660. LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898, and C. E. O. JENSEN. Grønlands mosser. V. Cryptogamae cellulares. (*In:* Lange, J. M. C., and others. *Conspectus florum Groenlandicae*, Pars 2. *Pub.* in Meddelelser om Grønland, 1887. 3. hefte, p. 309-446) **Title tr.:** Greenland mosses. V. Cellular cryptogams.

Contains a general sketch of moss flora of Greenland and a systematic enumeration of three hundred thirty species with Latin description of new species, critical notes and data on distribution. **Copy seen:** DGS; MH.

LANGE, JOHAN MARTIN CHRISTIAN, 1818-1898, *see also* Rink, H. J., & others. *Naturhistoriske bidrag*. 1857.

9661. LANGE, MORTON. Macromycetes. Pt. 1. The Gasteromycetes of Greenland. København, C. A. Reitzel, 1948. 32 p. illus., 4 plates, map. (Meddelelser om Grønland, Bd. 147, nr. 4)

Results of the Botanical Expedition to West Greenland, 1946, comprising a revision of previous collections, 1888-1905, and report of some specimens collected in 1947, in addition to the author's large collections of 1946, from the Søndre Strømfjord region, Ivigtut and Godhaab. Includes full notes and descriptions of fifteen species of fleshy fungi, including one new variety; and a bibliography (35 items).

Copy seen: DGS.

LANGE, T., *see* Kairamo, A. O. *Om en ny Taraxacum*. 1889.

9662. LANGE, TH. *Calypso bulbosa* (L.) Oakes i Sverige. (Botaniska notiser, 1934, häfte 1-2, p. 43-63, illus., text map) **Title tr.:** *Calypso bulbosa* (L.) Oakes in Sweden.

Contains critical notes on Calypso bulbosa, a high mountain orchid, and two lists of localities, arranged chronologically (1831-1928) by the dates of find, and by the regions, including some in Swedish Lapland and Norrbotten, and a table of forty-seven associated plants with data on distribution in four localities, including Jokkmokk, Lule Lappmark; bibliography (43 items). **Copy seen:** MH-A.

9663. LANGELIER, JEAN CHRYSOSTÔME. Le bassin méridionale de la baie d'Hudson. Québec, J. Dussault, 1887. 104, [1] p. **Title tr.:** The central basin of Hudson Bay.

Limits are stated as that portion of the Bay lying south of 60°N. latitude, with west and northwest boundary the watershed separation of Mackenzie River and Hudson Bay, and the east and south boundary the watershed of James Bay, northward to Cape Jones.

Contents tr.: 1. Limits. 2. Rivers and lakes. 3. Geology, topography, mountains, and cultivable areas. 4. Climate, seasons and agriculture. 5. Forests. 6. Mineral deposits. 7. Regions for colonization. 8. Need for a railway, conclusions, and meteorological observations Fort York and Moose Factory (monthly averages, one year only).

Copy seen: NNStef.

LANGLEY, A. J. G., *see* Mirrlees, S. T. A. Summer weather Ungava Bay. 1932.

9664. LANGSDORFF, GEORG HEINRICH, *Freiherr von*, 1774-1852. Bemerkungen auf einer Reise um die Welt in den Jahren 1803 bis 1807, von G. H. von Langsdorff . . . Frankfurt am Mayn, F. Wilmans, 1812. 2 v. in 1. fronts. (parts) 1 illus. (music) plates (2 fold., incl. music) diags. **Title tr.:** Observations on a voyage around the world, in the years 1803 to 1807.

v. 1. contains an account of the Kruzenshtern Expedition of 1803-1807 till Langsdorff's separation from it in Kamchatka in 1805. v. 2 contains an account of his experiences in America, Kamchatka and Siberia, of which the Alaskan and Kamchatka sections are

described under the author's *Voyages and travels* . . . 1803-1807, 1813-14, q.v.
Copy seen: DLC.

9665. LANGSDORFF, GEORG HEINRICH, *Freiherr von*, 1774-1852. *Voyages and travels in various parts of the world, during the years 1803, 1804, 1805, 1806, and 1807*. By G. H. von Langsdorff . . . Illustrated by engravings from original drawings. London, H. Colburn; [etc., etc.] 1813-14. 2 v.: xxi, 362, [6] p.; [viii,] 386. [6] p.; 21 plates (incl. fronts. ports. music) fold. map.

Narrative of the author's experience on the Kruzenshtern expedition of 1803-07, in which Langsdorff participated as physician. The author left the expedition at Kamchatka 1805, visited the Aleutian Islands, the northwest coast of America, and returned, via Kamchatka, overland across Siberia to St. Petersburg. Vol. 2 of this narrative is a record of his travels after he left Kruzenshtern, q.v.

Vol. 2 contains account of the voyage and description of the Pribilofs, Unalaska, Kodiak and Sitka (Baranof) Islands, and the mainland around Norfolk Sound; particularly the aboriginal inhabitants, their material culture, religion, customs and social relations; the settlements of the Russian American Co. Account of the wintering on Kamchatka, with remarks on the Kamchadals and extensive notes on natural conditions, vegetation and wildlife, Kamchadal dogs and sledges, political occurrences and social life at Petropavlovsk; a trip among the Koryaks with remarks on their customs and reindeer; voyage to Okhotsk, journey westward via Yakutsk to St. Petersburg. Includes lists of animals and plants observed.

Copy seen: DLC.

9666. LANGSDORFF, GEORG HEINRICH, *Freiherr von*, 1774-1852. *Voyages and travels in various parts of the world, during the years 1803, 1804, 1805, 1806, and 1807*. By G. H. von Langsdorff . . . Carlisle [Pa.] Printed by George Phillips, and for sale in Philadelphia, by M. Carey & Son, Abraham Small, and Moses Thomas; in New York, by Kirk & Mercier; in Boston, by Wells & Lilly; in Baltimore, by J. & T. Vance; in Richmond, by Fitzwhylson & Potter, and Peter Cotton. 1817. xvii, 1 l., [19]-617, [17] p. fold. front. Re-

print of the London, 1813-14 edition of the same title, q.v.

Copy seen: DLC.

LANGUEPIN, J. J., *see* Victor, P. E., & others. *Rapport préliminaire Groenland 1948. 1949.*

LANGUEPIN, SAMIVEL, *see* Victor, P. E., & others. *Rapport préliminaire Groenland 1948. 1949.*

9667. LANGVAGEN, A. V. Nekotorye dannye o gidrokhimicheskikh rabotakh ekspeditzii ledokola "Krasin" v 1935 godu. (*In*: Duplitskii D. S., and G. E. Ratmanov, editors. *Nauchnye raboty ekspeditzii na ledokole "Krasin" v 1935 godu*, 1936. p. 90, 98, tables) **Title tr.:** Some data on hydrochemical work of the expedition of the ice-breaker *Krasin*, 1935.

Results of oceanographic observations in Chukchi Sea with a few data on temperature, salinity, density, pH, and phosphates, and full discussion and data of carbon dioxide content.

Copy seen: DLC.

9668. LANKESTER, Sir EDWIN RAY, 1847-1929. Report on fragments of fossil fishes from the Palaeozoic strata of Spitzbergen. Stockholm, P. A. Norstedt & Söner, 1884. 6 p. 4 plates. (*Svenska vetenskaps-akademien. Handlingar. Bd. 20, no. 9*)

Discussion and descriptions of three specimens from the Upper Siberian sandstone of the Dickson Bay Region, and of fish remains from Mimers Valley, collected by the Swedish Geological Expedition to Spitsbergen, 1882.

Copy seen: DLC.

9669. LANMAN, CHARLES, 1819-1895. Farthest north; or, The life and explorations of Lieutenant James Booth Lockwood, of the Greely Arctic Expedition. New York, D. Appleton and Co., 1885. 1 p. l., 333 p. 6 plates, fold. map.

Biography, based on the journal of Lockwood, who carried out surveys on northern Ellesmere Island and along the coast of North Greenland during the Lady Franklin Bay Expedition, 1881-84. **Copy seen:** DLC; NNStef.

9670. LANSING, ROBERT. The questions settled by the award of the Alaskan Boundary Tribunal. (American Geographical Society, N. Y. Bulletin, 1904. v. 36, p. 65-80, fold. map)

An address before the Society, Jan. 19, 1904, in which the author gives "a general outline of the origin, course, and termination of the Alaskan Boundary Controversy," a dispute concerning the line between the Mt. St. Elias region and Portland Canal, Southeast Alaska.

Copy seen: DLC.

9671. LANTIS, MARGARET, 1909- . Alaskan Eskimo ceremonialism. New York, J. J. Augustin [1947] xiii, 127 p. 2 maps. (American Ethnological Society. Monograph, 11)

Study of the content, function and regional differences of ceremonialism from Pt. Barrow to Kodiak.

Contents: Pt. 1. Rituals and their distribution. Ceremonies of life crises; memorial feasts; secret society performances; building rites; war ritual; rites for sun, moon and weather; boat launching; and hunting festivals.

Pt. 2. Ceremonial elements or complexes and their distribution. Shamanism in relation to ceremonialism; masks and other objects; dress and adornment; ritual numbers; song, dance, and musical instruments; the Kashim; sweat-bathing and other methods of purification; and potlatch features. Bibliography (94 items).

Copy seen: DLC; NNS Stef.

9672. LANTIS, MARGARET, 1909- . The Alaskan whale cult and its affinities. (American anthropologist, 1938. New ser., v. 40. p. 438-64. Addendum in *ibid.*, 1940. New ser. v. 42, p. 366-68)

Ritual aspects of the whale hunt among tribal groups of North Pacific, Bering Sea and arctic coastal regions. Bibliography, v. 40, p. 462-64.

Copy seen: DLC.

9673. LANTIS, MARGARET, 1909- . The mythology of Kodiak Island, Alaska. (Journal of American folk-lore, 1938. v. 51, p. 123-72)

A study to explore the cultural relationships of the Koniangs with other native groups in southern Alaska, based on the author's fieldwork in the region, and on the literature. Description of the Koniangs and their culture, synopsis and discussion of their myths. Bibliography, p. 170-72.

Copy seen: DLC.

9674. LANTIS, MARGARET, 1909- . Security for Alaskan Eskimos. Washington, D. C. 1948. 9 p. (*In:* U. S.

Dept. of the Interior. Bureau of Indian Affairs. Indians of the United States, contributions by members of the delegation, and by advisers to the Policy Board of the National Indian Institute for the Second Inter-American Conference on Indian Life, convened at Cuzco, Peru, October 10-20, 1948 [i.e. June 24-July 4, 1949])

Describes changes of Eskimo economy under impact of white civilization, and suggests administrative and socio-economic patterns for the development of land utilization satisfactory for both aboriginal and white settlements in Alaska.

Copy seen: CaMAI; DI (has also *Summaries of Contributions by members of the delegation* [etc.]).

9675. LANTIS, MARGARET, 1909- . The social culture of the Nunivak Eskimo. (American Philosophical Society. Transactions, 1946. New ser. v. 35, p. 153-323, illus., 8 plates, sketch map)

Based on a year's residence on Nunivak Island, 1939-40, financed by the American Philosophical Society and the Dept. of Anthropology, University of California. This paper consists of the first two parts of a projected four-part study (1, non-material culture; 2, mythology; 3, material culture, and 4, the psycho-dynamics of Nunivak society.) of West Alaskan Eskimos living on Nunivak Island (60°N. 166°W.)

Contents: 1. Non-material culture: Natural environment and economic factors, ceremonialism, religion, recreation (songs, dancing, sport and games, string figures), life crises, social organization, and summary (example of generic Eskimo culture; local Bering Sea culture, and antiquity of Nunivak culture).

2. Mythology: Translations of forty-one tales with text and translation of four additional myths.

Appendices: 1. Households. 2. Plants. 3. Personal names. Bibliography (16 items).

Copy seen: DLC.

LA PEROUSE, JEAN FRANÇOIS GALOUP, Comte de, 1741-1788, see Alaska magazine. Alaskan adventures La Perouse. 1927.

9676. LAPPO, S. D. Būro ledovykh prognozov. (Sovetskaiā Arktika, 1937, no. 1, p. 68-69) *Title tr.:* Ice Forecasting Bureau.

Work of the Interdepartmental Bureau of Ice Forecasting at the Main Administration of the Northern Sea Route, established in 1934 to coordinate activities of organizations and individuals.

Copy seen: DLC.

9677. LAPPO, S. D. Cherez karskie l'dy v Khatangskii zaliv. (Severnyi morskoi put', 1936. Prilozhenie 1, p. 5-23, illus.) *Title tr.:* Through the Kara Sea ice to Khatanga Bay.

A description of the voyage of the ice-breaker *Rusanov*, in 1934 to carry construction materials, supplies and equipment to the polar station at Nordvik, Khatanga Bay.

Copy seen: DLC.

9678. LAPPO, S. D. Hidrologicheskie issledovaniia na Severnom morskome puti. (Sovetskaiia Arktika, 1939, no. 7, p. 31-38, illus.) *Title tr.:* Hydrographic investigations on the Northern Sea Route.

Brief general review of hydrographic work at polar stations of the Northern Sea Route, 1933-1939.

Copy seen: DLC.

9679. LAPPO, S. D. Grenlandskoe more. (Sovetskaiia Arktika, 1940, no. 7, p. 29-36, illus., map) *Title tr.:* Greenland Sea.

Brief general description of the sea, its bottom relief, coasts, climate, oceanography and exploration.

Copy seen: DLC.

9680. LAPPO, S. D. Ledovyi pokrov v Arkticheskikh moriakh. (Sovetskaiia Arktika, 1937, no. 9, p. 78-82, illus.) *Title tr.:* Ice cover in the arctic seas.

Description of the ice cover along the coasts April-May 1937, as observed from Farikh's airplane during his arctic winter flight in 1937.

Copy seen: DLC.

9681. LAPPO, S. D. Materialy po lotsii pribrezhnoi zony moria Laptevkh ot ust'ia reki Leny do mysy Chel'uskina. Leningrad, Izd-vo Glavsevmorputi, 1935. 37 p. *Title tr.:* Pilot guide for the coastal zone of Laptev Sea from the estuary of the Lena River to Cape Chelyuskin.

Contains brief description (from viewpoint of coastal navigation) of the western section of Laptev Sea from north of Bykov Channel to Boris Vil'itsky Strait: a general account of the

coasts, islands, waters, rivers, depths, type of bottom, ice conditions (including freezing and break-up) sea level and currents. Includes sailing directions for the estuary, channels, bars, capes, bays and islands.

Copy seen: DLC.

9682. LAPPO, S. D. More Laptevskikh. (Sovetskaiia Arktika, 1939, no. 11, p. 71-81, illus., map) *Title tr.:* The Laptev Sea.

Brief general description of the sea: its geographic situation, climate, coasts, bottom relief, hydrographic conditions and its exploration. Gaps in the scientific investigation of the region, are noted.

Copy seen: DLC.

9683. LAPPO, S. D. Morskoe techeniia. (Sovetskaiia Arktika, 1936, no. 11, p. 99-102, illus.) *Title tr.:* Sea currents.

Discussion of continuous currents in the seas of the Soviet Arctic.

Copy seen: DLC.

9684. LAPPO, S. D. Nekotorye dannye o ledovykh prognozakh v arkticheskikh moriakh. (Meteorologiia i gidrologiia, 1937. No. 9, p. 94-97) *Title tr.:* Some data on ice prognoses in arctic seas.

A discussion of various factors determining ice formation as they affect ice forecasting.

Copy seen: DLC.

9685. LAPPO, S. D. O techeniakh moria Laptevskikh i Karskogo moria. (Severnyi morskoi put', 1936. No. 5, p. 72-82, maps, diagr.) *Title tr.:* On currents of Laptev and Kara Seas.

Results of currents observations conducted during the voyages of the ice-breaker *Rusanov*, 1934. Summary in English.

Copy seen: DLC.

9686. LAPPO, S. D. Okeanograficheskii spravocnik arkticheskikh morei SSSR (obshchii lot'siia). Leningrad, Izd-vo Glavsevmorputi, 1940. 182 p. illus., 2 sketch maps, table. Errata slip inserted. *Title tr.:* Oceanographic handbook of the arctic seas of the U.S.S.R. (general sailing directions).

A handbook "intended to aid arctic workers in evaluating and describing phenomena observed at sea," and also to give basic information (in dictionary form) on oceanography from the point of view of physical geography. This book has been revised and incorporated in author's *Spravochnaiia knizhka pol'arnika*, q.v. *Contents tr.:* 1. Water

bodies. 2. Forms of land and coasts. 3. Relief and surface of coasts. 4. Relief and the floor of the seas. 5. The surface of the sea (level, currents, disturbances, and other phenomena). 6. Ice. Bibliography (77 items) and index.

Appendices: Decision of TsIK SSSR establishing uniform geographic nomenclature for the parts of the Arctic Ocean adjoining the coasts of the Soviet Union.

Beaufort wind and sea scale.

Maps: 1. Bathymetric map of the Arctic Ocean. 2. Schematic map of surface currents of the Arctic Ocean.

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9687. LAPPO, S. D. Ostrova Pakhtusova. (Sovetskaiā Arktika, 1938, no. 1, p. 81-83) **Title tr.:** Pakhtusov Islands.

Brief historical sketch of the discovery of these islands off the east coast of Novaya Zemlya (74°20'N. 59° E.), by Pakhtusov in 1835, their subsequent investigation, physical geography, etc.

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9688. LAPPO, S. D. Sostoianie p'dov v navigatsiiu 1935 goda. (Sovetskaiā Arktika, 1936, no. 1, p. 70-71) **Title tr.:** Ice conditions in the navigation season of 1935.

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9689. LAPPO, S. D. Spravochnaiā knizhka poliarnika; kratkie svedeniā ob okeanografii, klimate, zhivotnom mire i naselenii Arktiki. [Moskva] Izd-vo Glavsevmorputi, 1945. 423 p. illus., map (part fold.) tables. Errata slip inserted. **Title tr.:** The handbook of the polar worker; concise information on the oceanography, climate, animals, and population of the Arctic.

A basic reference book intended for "seamen, fliers, employees of polar stations, various enterprises, and expeditions of the Northern Sea Route Administration." In dictionary and tabular form, this work offers general definitions of concepts (including dialect terms), as well as much specific information about the Soviet sector of the Arctic.

The first six chapters are based on the author's *Okeanograficheskii spravochnik arkticheskikh morsk SSSR*, q.v., here revised. Chapter IX was written by members of the Biological Faculty and the Museum of Zoology of Moscow University. Chapter X is based on the unpublished work of A. F. Anisimov, *Narody Severa*. **Contents**

tr.: 1. Water bodies. 2. Forms of land and coasts. 3. Relief and surface of coasts. 4. Relief and the floor of the seas. 5. The surface of the sea (level, currents, disturbances, and other phenomena). 6. Ice. 7. Climate. 8. Various geophysical phenomena. 9. Animals. A. Invertebrates. B. Vertebrates: Fishes, Birds, Mammals. 10. Population. 11. Administrative divisions of the coasts [of the U.S.S.R.] and populated places.

Appendices: 1. The geographical limits of oceans and seas. 2. Areas of continents and oceans. 3. Limits and depths of the arctic seas. 4. Principal islands of the U.S.S.R. arctic seas. 5. Principal straits of the arctic seas. 6. Principal rivers flowing into the Arctic Ocean and their tributaries. 7. The mountains of the coasts and islands of the arctic seas. 8. Information about high tides. 9. The magnitude of magnetic deviation. 10. Duration of day in hours and minutes. 11. Duration of evening twilight in minutes. 12. Duration of morning twilight in minutes. 13. Beaufort scale. 14. Classification scheme for sea deposits. 15. Names of ice forms according to the classification of the Arctic Institute. 16. Conventional symbols of ice forms. 17. Conventional hydrographic symbols on maps. Bibliography (about 275 items). Index.

English translation of oceanographic terms used in this handbook, is on file at DN-HO. **Copy seen:** DGS; DLC.

9690. LAPPO, S. D. Uluchshit' delo ledovykh prognozov. (Sovetskaiā Arktika, 1938, no. 2, p. 48-50) **Title tr.:** For the improvement of work in ice forecasting.

Discussion of measures to ensure adequate ice forecasts; opinions of V. I. Vize, N. N. Zubov, and the author.

Translation of this article is available at Brookhaven National Laboratory, Research Library, Upton, N. Y.

Copy seen: DLC.

9691. LAPPO, S. D., and V. S. NAZAROV. Ledovaiā sluzhba. (In: Zubov, N. N., and others. Arkticheskie navigatsii. Sbornik pervyi, 1941. p. 65-73) **Title tr.:** The ice service.

Methods used and results obtained by Arctic Institute ice forecasting teams in 1939. **Copy seen:** NNSf.

9692. LAPPO, V. I. Neftianoe mesto-rozhdenie Nordvik. (fUrung-Tumus).

(Nedra Arktiki, 1946. No. I, p. 74-129, maps, diagrs.) *Title tr.*: The Nordvik oil field (Yurung-Tumus).

Geological description and results of trial borings for oil at the Yurung-Tumus section of Nordvik oil field 1942-44. This oil field (about 74°05'N. 111-112°E.) "is composed of a faulted brachyanticlinal fold pierced by a salt stock. Oil is known to occur in Triassic and Permian strata. Further investigations are expected to reveal the presence of additional extensive reservoirs."—Geological Society of America. Bibliography and index of geology. Summary in English.

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9693. LAPPO, V. I., and N. I. KUSOV. Nordvikskoe mestorozhdenie kamennoi soli. (Nedra Arktiki, 1947. No. 2, p. 147-76, maps, diagrs.) *Title tr.*: The Nordvik deposit of rock salt.

Description of the Nordvik salt dome, Yurung-Tumus Peninsula, Krasnoyarskiy Kray, "an open dome with exposed cap rock. The cap rock, intensely folded in places, consists chiefly of gypsum and anhydrite, with limestone, clay, sandstone, and diabase inclusions. The salt is probably Cambrian or Silurian in age. It occurs in layers which are extremely crushed or as irregular bodies which probably represent the zone of greatest deformation."—Geological Society of America. Bibliography and index of geology.

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LAPPO, V. I., see also Kusov, N. I., & V. I. Lappo. Mestorozhdeniia uglii Yurung-Tumus. 1947.

LAPTEV, DMITRII, see Pokrovskii, A. A. Ékspeditsiia Beringa; sbornik dokumentov. 1941.

LAPTEV, KHARITON PROKOP'EVICH, d. 1763, see Middendorff, A. T. Puteshestvie na sïever i vostok Sibiri. 1860-78.

LAPTEV, KHARITON PROKOP'EVICH, d. 1763, see Pokrovskii, A. A. Ékspeditsiia Beringa, sbornik dokumentov. 1941.

9694. LAPTEV, S. N. K materialam po istorii amerikanskoi polïarnoi ékspeditsiï kapitana De-Longa na sudne Zhanneta. (Vsesoïuznoe geografiche-

skoe obshchestvo. Izvestiia, 1942. T. 74, p. 16-57, 2 plates) *Title tr.*: New source materials for the history of the American Arctic expedition of Captain De Long in the ship *Jeannette*.

An account of events after the *Jeannette* sank in June 1881, and its survivors reached the Lena delta, dealing mainly with Melville's rescue efforts (a list of the food for his expedition for six months is given, p. 36-37); the return of the bodies of DeLong and his companions, and the cooperation throughout of the Russian governors and others, on the basis of instructions from the Minister of the Interior Ignat'ev. Bibliographical footnotes, with references to unpublished Siberian archives.

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9695. LARIN, I. V. Materialy po dinamike rastitel'noi massy i khimicheskikh veshchestv travostoev v techenie vegetatsionnogo perioda v razlichnykh zonakh SSSR. Moskva-Leningrad, 1936. 140 p. (Akademiia nauk SSSR. Institut fizicheskoi geografii. Trudy. Vyp. 21) *Title tr.*: On the dynamics of plant associations and their chemical composition observed in the principal herbaceous groups of different zones within the U.S.S.R. during the period of vegetation.

Contains a study of various grass associations from the point of view of their nutritive value as cattle forage, data on changes of chemical composition during the periods of growing and vegetation, and yield of various types of pastures in European and Asiatic U.S.S.R., including alpine arctic regions.

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9696. LARKIN, P. A. *Pontoporeia* and *Mysis* in Athabaska, Great Bear, and Great Slave Lakes. Ottawa, 1948. p. 1, 33 p. illus. (3 sketch maps, tables, diagrs.) (Canada. Fisheries Research Board. Bulletin no. 78)

Discussion of the ecology and economic importance of an amphipod (*Pontoporeia affinis*) and a schizopod (*Mysis relicta*), based on collections and observations made during the North West Canadian Fisheries surveys in 1944-46. Includes notes on geography and hydrography of the lakes, depth distribution, life history, and importance as fish food, of the two crustaceans; with a bibliography (30 items).

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LAROCHE-PONCIÉ, J. de, see Lottin, V. C., & others. Voyages 1838-40 Recherche. Magnétisme terrestre. 1843-?

9697. LA ROCQUE, A. *Lasmigona compressa* (Lea) in the Hudson Bay drainage. (Canadian field naturalist, Mar. 1936. v. 50, p. 51-52)

Records of fresh-water mussel from Missinaibi and Attawapiskat Rivers, northern Ontario. **Copy seen:** DLC.

9698. LA ROCQUE, A. Post-Pleistocene connection between James Bay and the Gulf of Saint Lawrence. (Geological Society of America. Bulletin, Feb. 1949. v. 60, p. 363-79, 4 sketch maps)

Detailed discussion of objections to D. Potter's idea of a connection between Lake Timiskaming and James Bay, as advanced in the latter's *Botanical evidence for a post-Pleistocene connection* (etc.) 1932, q.v.

Contains a critique of Potter's plant migration argument, followed by geologic and paleontologic objections to the western routes proposed for the connection, and discussion of an alternate route via Lake St. John; with a bibliography (28 items).

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9699. LARSEN, C. F. Nordlandske-folkningen; antropologiske undersøgelser 1904. Christiania, Jacob Dybwad, 1905. **Title tr.:** The population of Nordland; anthropological investigations.

Anthropometric data and general anthropological discussion of the population of northern Norway in the region of 63° to about 70°N., including Lapps, Finns and half-breeds.

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9700. LARSEN, EINAR, 1878- . Ferskvandsalger fra Vest-Grønland. (Meddelelser om Grønland, 1907. 33. hefte, p. 305-364, 1 l. plates VII-VIII) **Title tr.:** Fresh-water algae from West Greenland.

Annotated list, with references to literature of about three hundred and fifty species from West Greenland, 60°-74°N.; also list of the localities; bibliography, p. 313-15.

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9701. LARSEN, EINAR, 1878- . The freshwater algae of East Greenland. (In: Amdrup, G. C. Carlsbergfondets

expedition til Øst-Grønland. 4. del, nr. 2. Pub. in Meddelelser om Grønland, 1911, 30. hefte, p. 75-110, illus.)

List, with references to literature and localities, of about a hundred and eighty species collected during the Carlsberg Fund Expedition to East Greenland, 1898-1900 and during Kruuse's Botanical and Ethnological Expedition to Angmagssalik, 1901-1902.

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9702. LARSEN, HELGE EYVIN, 1905- . Archaeological investigations in Knud Rasmussens Land. København, C. A. Reitzel, 1938. 75, [3] p. illus. (incl. maps, plans) 3 plates. (Meddelelser om Grønland, Bd. 119, nr. 8)

Results of the Anglo-Danish East Greenland Expedition, 1935, in the region around Kangerdlugssuaq. Description of the settlements on Skaergaards Peninsula, Ivnarmiut (island) Jacobsens Fiord, and Cape Irminger; general observations on the house ruins; description of the finds; remarks on the cultural position of the Eskimos; and a bibliography (23 items).

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9703. LARSEN, HELGE EYVIN, 1905- . Dødemandsbugten, an Eskimo settlement on Clavering Island. København, C. A. Reitzel, 1934. 185 [1] p. illus., 20 plates (incl. fold. maps). (Meddelelser om Grønland, Bd. 102, nr. 1)

Results of the Three-Year Expedition to King Christian X's Land, 1931-34, under Lauge Koch. An archeological study of a large settlement, at 74°08'N. 21°N. Introductory notes on the Eskimos encountered by Clavering in 1823, but not seen subsequently; a description of the site (23 houses excavated) and cultural material representing two main stages; discussion of inter-cultural relationship with Thule and Inug-suk cultures. Includes a list of objects and a bibliography (54 items).

Appendix: Degerbol, M. Animal bones from the Eskimo settlement; a contribution to the immigration history of the musk ox and reindeer in East Greenland.

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9704. LARSEN, HELGE EYVIN, 1905- . Indtryk fra et ophold blandt Alaskas eskimoer. (Grønlandske selskab. Aarskrift, 1940. p. 68-89, illus. sketch map) **Title tr.:** Impressions from a stay among the Eskimos of Alaska.

Contains a brief history of Alaska from its discovery in 1741, to its purchase from Russia by the U.S.A. in 1867; notes progress under American rule; phenomenal growth of small reindeer herd from Siberia; schools, missions, churches. Includes comparison between the Eskimos in Greenland and Alaska, and their dialects; also approach to the Eskimo problem in the two regions, and data from stay at Point Hope, Alaska, during an archaeological expedition in 1939.

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9705. LARSEN, HELGE EYVIN, 1905- , and F. RAINEY. Ipiutak and the Arctic Whale Hunting Culture. New York, 1948. 276 p. illus., maps (1 fold.) (American Museum of Natural History, Anthropological papers, v. 42)

Report on excavations at Ipiutak, Point Hope, by the authors and J. L. Giddings, Jr., for the American Museum of Natural History, the University of Alaska, and the Danish National Museum, 1938-41.

Contents: History of the expeditions, topography of Point Hope, ecology of northwest Alaska, sketches of the two contrasting types of Eskimo culture in North Alaska (the inland-dwelling Nunamiut, who belong to the Ipiutak complex, and the Tikerarmiut, or Pt. Hope Eskimos who are representative of an Arctic Whale Hunting Culture). Summary and analysis of house types and burials and detailed description and analysis of material found. Description of other culture types than Ipiutak at Point Hope (the Near Ipiutak, Birnirk, Thule, protohistoric, modern). Discussion of position of Ipiutak in Eskimo culture and of its relationships to Okvik, Old Bering Sea, Dorset and other prehistoric and modern culture stages in America and Asia. Concludes that Ipiutak is the oldest known Eskimo culture, dating to the first or second century A.D., that it originated in the northern part of Ural region, around the mouth of the Ob. The Ipiutak complex includes also the Near Ipiutak, Dorset, Kachemak Bay, and modern Central and Bering Sea Eskimos, all of whose culture has an inland orientation, in contrast to that of Okvik, Old Bering Sea, Birnirk, Punuk, Thule and modern North Alaskan and Greenland Eskimos who com-

prise the Arctic Whale Hunting Culture.

Appendices (1) notes on excavations of 72 houses; (2) notes on excavations of 162 burials; (3) analysis of small fragment of iron engraving tool; (4) Dog skulls from Ipiutak, by Olaus J. Murie, Bibliography 260-66.

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LARSEN, HELGE EYVIN, 1905- , *see also* Gad, F. Grønlands historie 1500-1945. 1946.

9706. LARSEN, HENRY A. The conquest of the North West Passage; the arctic voyages of the St. Roch, 1940-44. (Geographical journal, July-Sept. 1947. v. 110, p. 1-16, 6 plates, sketch map)

Accounts of the two voyages of the Royal Canadian Mounted Police vessel, 1940-42, and 1944, east and west through Canadian Arctic Waters, with notes on the Eskimos, ice conditions, and historic points of interest.

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9707. LARSEN, HENRY A. Our return voyage through the North-West Passage. (R.C.M.P. Quarterly, April, 1945. v. 10, p. 298-320, illus. fold. map)

Detailed narrative of the voyage (returning from the west-east trip 1940-42) of the R.C.M.P. *St. Roch* from Halifax to Vancouver, July 19-Oct. 16, 1944, by the northern route (Lancaster Sound, Melville Sound, Prince of Wales Strait) of the Northwest Passage. Includes remarks on ice and weather conditions, R.C.M.P. work and stops along the route, and on cairns, caches and memorials of earlier explorers.

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LARSEN, HENRY A., *see also* Royal Canadian Mounted Police. East through Northwest Passage. 1942.

LARSEN, HENRY A., *see also* Royal Canadian Mounted Police. Reports & other papers *St. Roch* 1940-44. 1945.

9708. LARSEN, KAY. Magt mod magt. (Grønlandske selskab, Aarskrift, 1935. p. 35-47.) *Title tr.:* Might against Might.

Describes breaches against Danish laws and regulations pertaining to navigation on, and trading in Greenland by Dutch, English, French, Spanish and Hamburg sailing ships in the early

18th century. The culmination of encroachments by the Dutch, and battle at Christianshaab, June 9, 1739, ending with the defeat of the Dutch and confiscation of their ships by the Danes.

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LARSEN, OSCAR, *see* Gunderson, F. J., & O. Larsen. Fish traps. 1948.

LARSEN, POUL, 1859- , *see* Gandrup, J., & others. Botanical trip to Jan Mayen. 1924.

9709. LARSEN, SOFUS. Grønlands genopdagelse. (Grønlandske selskab. Aarsskrift, 1922-23. p. 72-80) *Title tr.*: The rediscovery of Greenland.

A reply to P. R. Sollied and O. Solberg, q.v., accusing them of presenting Norwegian claims to the rediscovery of Greenland in a dogmatic fashion; quotes sources to disprove their contentions.

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9710. LARSSON, HUGO. The use of radar in the ice-breaker service. (Institute of Navigation, London. Journal, Oct. 1949. v. 2, p. 315-23, 7 plates)

Contains specialized information (based on experience of Swedish service in the Baltic Sea, but applicable in arctic regions) on estimation of type and consistency of ice, its position, the superintending of convoys; effects of falling snow, low temperatures, heavy rolling, etc., on radar.

Reviewed in *Discovery*, Jan. 1950, v. 11, p. 3. *Copy seen:* DN-HO; NNA.

9711. LASKY, SAMUEL GROSSMAN, 1901- . A colloidal origin of some of the Kennecott ore minerals. (*Economic geology*, Nov. 1930. v. 25, p. 737-57; illus.)

Results of the author's studies in the use of the reflecting microscope, on specimens of copper ore from deposits in the southeastern part of Wrangell Mts.

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9712. LASKY, SAMUEL GROSSMAN, 1901- . Transverse faults at Kennecott and their relation to the main fault systems. New York, 1928. 17 p. (American Institute of Mining and Metallurgical Engineers. Technical publication no. 152) Reprinted in the Institute's Transactions, 1929, Yearbook, p. 303-317.

Contains a description of the geology of the Kennecott mines (61°29'N. 142°56'W.) the faulting, the mineral-

bearing fissures, and a discussion of the fault system.

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LATADY, WILLIAM R., *see* Miller, M. M., & W. R. Latady. Juneau Icefield Research Project 1948. 1949.

9713. LATARJET, RAYMOND. Expédition française au Groenland. Résumé des opérations effectuées à la date du 20 juillet 1948. [Paris? 1948] 31 mimeographed. *Title tr.*: French Expedition to Greenland. Summary of operations to July 20, 1948.

The author, assistant to the commander, Paul Émile Victor, outlines the purposes, and summarizes the movements of the party. A list of members of the expedition is appended.

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9714. LATARJET, RAYMOND. Rations alimentaires. (In: Victor, P. É., and others. Rapport préliminaire de la campagne préparatoire au Groenland (1948) pub. 1949. p. 57-62, tables) *Title tr.*: Food rations. (In the Preliminary report of the preparatory expedition to Greenland 1948).

One of the assistant commanders of the French Arctic Expedition to Greenland's icecap discusses the physiological and nutritional problems studied during the five weeks in both warm and cold climate; appended tables indicate kinds and quantity of food taken, and different rations.

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LATARJET, RAYMOND, *see* also Victor, P. É., & others. Expéd. polaires françaises. 1949.

9715. LATHAM, L. R. "The insulted and injured"; some changes in man's outlook on the North. Editorial. (*Scottish geographical magazine*, Sept. 1937. v. 53, p. 297-306)

Historic perspectives of settlement and economic development of the Arctic, in relation to modern exploitation of the northern regions, more particularly by the U.S.S.R.

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9716. LATHAM, ROBERT GORDEN, 1812-1888. The native races of the Russian Empire. London, H. Baillière; [etc., etc.] 1854, viii, 340 p. col. front., fold. map. (The ethnographical library, v. 2)

In twenty-one chapters on native groups of European and Asiatic Russia, the introduction, general section,

and four additional chapters include discussion of the Lapps, Voguls, Ost-yaks, Samoyeds, Yukaghirs, and Yakuts. *Copied seen: DLC; NNS Stef.*

9717. LATHAM, ROBERT GORDON, 1812-1888. On the ethnography of Russian America. (Edinburgh new philosophical journal, Jan. 1846. v. 40, p. 35-44)

Paper read before the Ethnological Society, Feb. 1845, on the relationships of the tribes inhabiting the Alaskan coast from Bering Strait southward, (also the Chukchis), with a list of the various groups showing their localities. *Copied seen: DLC.*

9718. LATHAM, ROBERT GORDON, 1812-1888. On the ethnography of Russian America. (Ethnological Society of London. Journal, 1848. v. 1, p. 182-91)

Discusses the linguistic relationships between the various Alaskan tribes and between these tribes and other American and Asiatic peoples. Lists sources of vocabularies. *Copied seen: DLC.*

9719. LATKIN, NIKOLAI VASIL'EVICH, 1833-1904. Krasnoĭarskii okrug Eniseiskoi gubernii. Peterburg, 1890. 74 p. *Title tr.:* Krasnoyarsk District of the Yenisey Province.

Contains sketch of population (with data from 19th century censuses. General description of the district, its mountains, rivers, geological structure, mineral resources, placer deposits, climate, soil, forests, vegetation, animal life, farming, trade, industry, and communication facilities. Historical sketch of the development of the region, its administration, settlements, etc., with detailed description of the town Krasnoyarsk, (56°02'N. 92°48'E.). *Copied seen: DLC.*

9720. LATKIN, VASILII NIKOLAEVICH, 1809-1869. Dnevnik Vasilii Nikolaevicha Latkina, vo vremia putesthestviia na Pechoru, v 1840 i 1843 godakh. (Vsesoiuznoe geograficheskoe obshchestvo. Zapiski, 1853. Kn. 7, p. 1-154, 1-143) *Title tr.:* Vasilii Nikolaevich Latkin's diary during his trips to the Pechora region in 1840 and 1843.

In 1843 the author, a merchant, reached Pustozersk (about 67°30'N. 52°30'E.), traveling by boat down the Pechora. His diary includes a description of that region and the activities of its people, a history of the commerce,

and speculations on the economic possibilities (part 2, p. 20-76). *Copied seen: DLC.*

9721. LATTA, THOMAS A. Observations on ice-bergs, made during a short excursion in Spitzbergen. (Edinburgh philosophical journal, Oct. 1820. v. 3, p. 237-43)

A general account (by the ship's surgeon on Captain Scoresby's voyage of 1818) of the surface features of one of the Seven Glaciers (Dei Sju Isfjella) at 79°20'N. on the west coast of West Spitzbergen. *Copied seen: DLC.*

9722. LATTA, THOMAS A. Observations on the arctic sea and ice, and the intended expedition of Captain Parry to the North Pole. (Edinburgh new philosophical journal, 1826-27, pub. 1827. v. 2, p. 86-104)

Discussion of the (then) current concepts of the nature of ice in the polar region, and of the author's opinion concerning the probability of a frozen Arctic Basin, with theoretical treatment of the action of the sun, wind and currents on the arctic pack. *Copied seen: DLC.*

9723. LATTA, THOMAS A. Observations on the glaciers and climate of Spitzbergen, made during a visit to that island; with a reply to Mr. Scoresby's remarks. (Edinburgh new philosophical journal, Apr.-Oct. 1827. New ser. v. 3, p. 91-103)

Contains a discussion (based on the author's visit in 1818, "a very hot summer") of the snow line, the air temperature, and the glaciers, in support of the author's criticism of Scoresby's *Treatise on the arctic region*, which suggested a warmer climate than Latta experienced. *Copied seen: DLC.*

9724. LATTA, THOMAS A. Observations on the Greenland Sea as connected with the late disasters in Baffin's Bay. (Edinburgh new philosophical journal, Oct.-Dec. 1830, pub. 1831. v. 10, p. 136-46, map)

Suggestions concerning the whaling grounds in Baffin Bay—Davis Strait, as they are affected by ice conditions. *Copied seen: DLC.*

9725. LAUB, VILHELM, 1887- . Kapitajn Einar Mikkelsens ekspedition. (Geografisk tidskrift, 1909-10. Kjøbenhavn, 1910. Bd. 20, p. 291-95) *Title tr.:* Captain Einar Mikkelsen's expedition.

Account (dated Sept. 8, 1910) of the *Alabama* Expedition to the northeast coast of Greenland (74°-82°N.) 1909-1912 describing the voyage sledge journeys etc. in 1909-10.

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9726. LAUB, VILHELM, 1887- . Report concerning the remaining part of the expedition during Mikkelsen's sledge-journeys. (*In:* Mikkelsen, E., *Alabama-expeditionen til Grønlands nordøstkyst 1909-1912*, nr. 2. *Pub.* in *Meddelelser om Grønland*, 1922. Bd. 52, p. 145-84, illus., 3 sketch maps, 17 plates)

Contains the second-in-command's accounts with geographic descriptions of sledge journeys (1) to Haystack Peninsula on Hochstetter's Foreland, and around Shannon Island, with remarks on currents and ice conditions, 1909-10, and (2) to the west of Queen Louise Land, with descriptions of the glaciers, lakes, and nunataks; a report on the sinking and condemnation of the *Alabama* (Mar. 1910), and account of the base party's activities until it was taken off Shannon Island, and returned home, Aug. 1910.

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LAUB, VILHELM, 1887- , *see also* Mikkelsen, E. *Ein arktischer Robinson*. 1913-22.

LAUB, VILHELM, 1887- , *see also* Mikkelsen, E. *Tre aar paa Grønlands østkyst (Alabama exped.) 1913-14*.

LAUBACH, HERMANN SOLMS, *Graf zu*, *see* SOLMS-LAUBACH, HERMANN, *Graf zu*, 1842-1915.

9727. LAUBE, GUSTAV CARL, 1839- . *Geologische Beobachtungen gesammelt während der Reise auf der "Hansa" und gelegentlich des Aufenthaltes in Süd-Grønland*. (Akademie der Wissenschaften, Wien. Mathematisch-naturwissenschaftlichen Classe. Sitzungsberichte, 1873. Bd. 68, Abt. 1, p. 17-108, illus., fold. map) *Title tr.*: Geological observations made during the voyage on the *Hansa* and, incidentally during the stay in south Greenland.

Results of the Second German North Polar Expedition, 1869-70. *Contents tr.*: 1. Geology of the *Hansa* cruise: Observations (northeast Greenland) from the ice. The ice of the Arctic as an agent for transporting debris and rocks. Remarks on the crystallography of ice.

2. Description of the geology of Greenland's south tip: Orographical sketch. Glaciers of south Greenland. Traces of the ice age in south Greenland. Geologic sketch of the east coast of south Greenland between 60°-61°N., exclusive of Cape Farewell. Geologic sketch of Julianehaab District.

Extracts from the journal of a mineralogical excursion in Greenland, by C. L. Giesecke, 1806. (On the west coast).

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LAUBE, GUSTAV CARL, 1839- , *see also* Koldewey, K., & others. *Gemeinschaftliche Reise beiden Schiffe u. Hansa*. 1873.

9728. LAUFER, BERTHOLD, 1874-1934. *Decorative art of the Amur tribes*. Jesup North Pacific Expedition. Publications, v. 4, pt. 1. Leiden, E. J. Brill, 1902. 86 p., illus., 33 plates (incl. col.) (American Museum of Natural History. Memoir, v. 7 (Anthropology, v. 6))

Decoration of utensils, clothing among Gilyaks and Tungus, with some examples also from Yakuts, based on the author's work in Sakhalin Island and the Amur region, and on specimens (previously collected by A. Jacobsen) in the Museum für Völkerkunde, Berlin.

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9729. LAUFER, BERTHOLD, 1874-1934. *The Eskimo screw as a culture-historical problem*. (American anthropologist, 1915. New ser., v. 17, p. 396-406)

Discussion of Porsild, M. P. *Principle of the screw technique of the Eskimo*, 1915, q.v.

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9730. LAUFER, BERTHOLD, 1874-1934. *The reindeer and its domestication*. (American Anthropological Association. Memoirs, 1917. v. 4, no. 2, p. 91-147)

History, centers and process of domestication in Europe and Asia.

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LAUFER, BERTHOLD, 1874-1934, *see also* Hatt, G. *Notes on reindeer nomadism*. 1919.

9731. LAURENCE, GEORGE CRAIG, 1905- , and F. B. FRIEND. *Tests for mesothorium in radium from Labine Point, Great Bear Lake*. (Canadian journal of research, Mar. 1934. v. 10, p. 332-34)

Ore from Echo Bay deposits was found to be free from this objectionable impurity, within the limits of the experimental error, 0.2% radiation equivalent.—Abstract. *Copy seen:* DSI-M.

9732. LAURENT-CHRISTENSEN. En laege ser paa Grønland. (Grønlands-posten, Dec. 31, 1946. Aarg. 5, p. 276-78) *Title tr.:* A doctor looks at Greenland.

An interview with district health officer Laurent-Christensen of Julianehaab, who discusses the status of his profession, some of its problems in Greenland and the general health situation there. *Copy seen:* DLC.

9733. LAURIDSEN, PETER, 1846-1923. Nysibirien. (Geografisk tidsskrift, Kjøbenhavn, 1881. Bd. 5, p. 97-111) *Title tr.:* The New Siberian Islands.

Outline of the history, natural conditions, and need for scientific investigation of the region.

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9734. LAURIDSEN, PETER, 1846-1923. Vitus Berings erste Expedition und das Vorgebirge Serdze Kamen. (Petermanns geographische Mitteilungen, 1884. Bd. 30, p. 259-63) *Title tr.:* Vitus Bering's first expedition and the Serdze Kamen promontory.

Analysis of early accounts of Bering's voyage, 1728, from Kamchatka, northward and around East Cape (mys Dezhneva), in support of the author's view that Serdze Kamen was not the point reached by Bering at that time.

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9735. LAURIDSEN, PETER, 1846-1923. Vitus Jonassen Bering. (Geografisk tidsskrift, Kjøbenhavn, 1882. Bd. 6, p. 89-103, map)

Biographical remarks on Bering, account of his first voyage as leader of the so-called First Kamchatka Expedition, 1725-1730, originally projected by Peter the Great, and evaluation of the results of the expedition.

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LAURIDSEN, PETER, 1846-1923, see also Pfaff, C. G. F. *Bigliographia groenlandica*. 1890.

9736. LAURSEN, DAN. Marin-kvartære skaller fra Utorqait, Vest Grønland. (Dansk geologisk forening. Meddelelser, 1945. Bd. 10, p. 591-93, illus.)

Title tr.: Marine Quaternary fossils from Utorqait, West Greenland.

List of twenty-four invertebrate fossils from a marine terrace and a kitchen midden of the Sukkertoppen region.

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9737. LAURSEN, DAN. Quaternary shells collected by the Fifth Thule Expedition 1921-24. Copenhagen, Gyldendal, 1946. 59 p. illus., fold. map. (Report Thule Expedition. 5th, 1921-1924. v. 1, no. 7)

The collections were made in the easternmost areas of northern Canada visited by the expedition, and investigations made on journeys from headquarters on Danish Island (65°50'N. 83°40'W. in the northwestern Hudson Bay region. The author describes the localities, giving lists of shells found in each, on Baffin Island, Melville Peninsula, Southampton Island, Simpson Peninsula, the coast of Keewatin District from Repulse Bay to Chesterfield Inlet, and the environs of Baker Lake. Includes remarks on the fauna and the geological interpretations; also a list of the recent shells found in more than thirty localities along shores of the same region. Bibliography (39 items).

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9738. LAURSEN, DAN, and K. DREYER JØRGENSEN. Contributions to the Quaternary geology of northern West Greenland, especially the raised marine deposits, by Dan Larsen. With a contribution on Foraminifera by K. Dreyer Jørgensen. København, C. A. Reitzel, 1944. 125 p., 4 l. illus. (incl. profiles) plates, 2 maps, 4 fold. tables. (Meddelelser om Grønland. Bd. 135, nr. 8)

Results of the Danish Nûgssuaq Expeditions in 1938 and 1939, under the leadership of Alfred Rosenkrantz. In addition to collections and observations made in 1939, this paper is based on Quaternary shell collections in the Copenhagen Mineralogical Museum and on a private collection from the Giescke Lake region of Egedesminde District.

The area of investigation in 1939, was Svartenhuk, and Nûgssuaq Peninsulas and Disko Island. Species here described are derived from the area between Norde Strømfjord and Melville Bay. The authors give characterization of beds in each locality and lists

of their fossils; annotated list, with synonyms, of four echinoderm, one brachiopod, eighty-eight mollusc, six crustacean, one bird, four mammal and eighteen foram species. Includes chapters on changes of levels and development after the glacial age, and a bibliography (106 items).

Appendix gives detailed report on outstanding terraces in river valleys of the two peninsulas.

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LAURSEN, DAN, *see also* Harder, P., & others. Marine Quaternary sediments Disko Bay. 1949.

LAURSEN, DAN, *see also* Rosenkrantz, A., & others. Danske Nugssuak eksped. 1939. 1940.

LAURSEN, DAN, *see also* Rosenkrantz, A., & others. Geological reconnaissance Svartenhuk Pen. 1942.

9739. LAURSEN, VIGGO. Det internationale polaraar 1932-33. (Geografisk tidsskrift, Kjøbenhavn, 1932. Bd. 35, p. 22-36, sketch map) *Title tr.:* The International Polar Year, 1932-33.

Plans for international research in meteorology, aerology, terrestrial magnetism, atmospheric electricity and auroras, and for establishment of new polar stations.

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9740. LAUSCHER, FRIEDRICH. Vom Klima der Packeiszone. Referat über die Forschungsergebnisse der Norwegischen Nordpolarexpedition mit der "Maud", 1918 bis 1925, erstattet nach den Veröffentlichungen von H. U. Sverdrup. (Meteorologische Zeitschrift, Nov. 1934. Bd. 51, p. 401-408) *Title tr.:* Concerning the climate of the pack ice zone; based on the scientific results of the Norwegian polar expedition on the *Maud*, 1918-1925, as published by H. U. Sverdrup.

On the basis of observations made during the *Maud* Expedition, climatic conditions of the pack ice zone in the Soviet sector of the Arctic Ocean are compared with climatic conditions in northern Siberia. *Copy seen:* DWB.

9741. LAUSEN, CARL, 1889- A geological reconnaissance of the east end of Great Slave Lake. (Canadian Institute of Mining and Metallurgy. Transactions, 1929. v. 32, p. 88-121, illus. (incl. sketch map)) Published also in: Canadian mining and metal-

lurgical bulletin, Feb. 1929. No. 202. p. 361-92.

Results of exploration at east end of Tochatwi Bay, of Kahochella and Pethel Peninsulas, during the summer of 1928; description of physiographic features, the general and structural geology and (in detail) the rocks, with remarks on mineralization; discussion p. 120-21.

Copy seen: DGS.

LAUT, WALLACE, *see* Stefansson, V., & others. Use of motor tractors in N. Ontario. 1936.

9742. LAVRENKO, EVGENII MIKHAILOVICH, 1900- . Istoriia flory i rastitel'nosti SSSR po dannym sovremennogo rasprostraneniia rastenii. (Akademii nauk SSSR. Botanicheskii institut. Rastitel'nost' SSSR, 1938. T. 1, p. 235-96, text maps, fold. map) *Title tr.:* History of the flora and vegetation of the U.S.S.R. based on the present distribution of plants.

Contents tr.: 1. General data on the areals. 2. Centers of the development of the vegetative population of the U.S.S.R.: (a) group of the humid centers; (b) groups of the arid centers; (1) group of the arcto-alpine centers. Ecologic-genetic types of the relicts in the limits of the U.S.S.R. 4. On succession of the vegetation in connection with the present-day areals of the plants. Literature (120 items).

The history of the flora and vegetation of the U.S.S.R. is reconstructed in the light of the study of Tertiary and Quaternary relicts of the typical plants, as the evidence of past plant migration and succession of the vegetation in the U.S.S.R., including the arctic region.

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9743. LAVRENKO, EVGENII MIKHAILOVICH, 1900- . Osnovnye botanicheskie oblasti Palearktiki i ikh vozrast. (Botanicheskii zhurnal, 1949. T. 34, vyp. 1, p. 110-111) *Title tr.:* Chief botanical regions of the Palearctic and their age.

Contains a summary of the author's report to the Third Conference on the history of flora and vegetation of the U.S.S.R., Leningrad, Jan. 20-25, 1948, on the geobotanical division of the Palearctic, including arctic tundra and Kamchatka, based on landscape and geographic characteristics, and data on their age; with discussion following the report.

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9744. LAVRENKO, EVGENII MIKHAILOVICH, 1900-. Regional'nye issledovaniia i kartografiia rastitel'nosti SSSR za 25 let (1917-1942). (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1943. T. 75, vyp. 5, p. 24-33) **Title tr.:** Regional investigations and vegetation cartography of the U.S.S.R. for these 25 years (1917-1942).

Contains data on geobotanical investigations of the U.S.S.R., including the arctic region; a survey of the most important works and maps of the vegetation. **Copy seen:** NN.

9745. LAVRENT'EV, S. F. Rannee plavanie ledokol'nogo parokhoda "Sadko" k ostrovu Rudol'fa. (Problemy Arktiki, 1938, no. 1, p. 97-98) **Title tr.:** An early voyage of the ice-breaker *Sadko* to Rudolf Island.

Information on the *Sadko's* trip carrying supplies for the Expedition to the North Pole, 1937.

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9746. LAVROV, A. M. Sklad provizii na myse Mogil'nom v zalive Tollia. (U.S.S.R. Gidrograficheskoe upravlenie. Zapiski po gidrografii, 1933. No. 1, p. 83-84) **Title tr.:** The food depot at Cape Mogil'nyy on Toll Bay.

Some information on the condition of the food depot left (at about 76°45'N. 101°07'E.) by the Hydrographic Arctic Ocean Expedition, 1914, and reconditioned (the structure) by a landing party of the Taymyr Hydrographic Expedition, Oct. 7, 1932.

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9747. LAVROV, A. M. Sostoiianie i'da u vostochnykh beregov Sval'barda. (Iiun' i Iiul' 1928 goda). (Leningrad. Nauchno-issledovatel'skii institut po izucheniiu Severa. Trudy, 1929. Vyp. 45, p. 56-81, 8 plates, maps, diagrs.) **Title tr.:** State of the ice on the east shores of Svalbard. (June and July 1928).

Results of observations of ice conditions in Barents Sea and Svalbard waters made during the voyage and drift of the ice-breaker *Malygin*, June-July, 1928. Summary in English.

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9748. LAVROV, A. M. Taiymyskaia gidrograficheskaiia ekspeditiia 1932 g. (In: Taiymyskaia gidrograficheskaiia ekspeditiia, 1932. Trudy, 1935. Chast' 1, p. 9-42, illus., fold chart) **Title tr.:**

The *Taiymyr* Hydrographic Expedition, 1932.

Account of the organization, personnel, itinerary (with chart), and type of work carried out by the *Taiymyr*, July 30-Oct. 13, 1932. Includes description of ice conditions (also shown on chart) encountered in Shokalsky Strait (Severnaya Zemlya) and between Novaya Zemlya, Vize Island and Severnaya Zemlya. **Copy seen:** DN-HO.

9749. LAVROV, B. Pokhod i zimovka pervoi lenskoi ekspeditiia. (Sovetskii Sever, 1935, no. 1, p. 74-88, illus. map) **Title tr.:** The course and the wintering of the First Lena Expedition.

Contains an account of the First Lena Expedition, a voyage by commercial ships *Stalin*, *Volodarskii*, and *Pravda*, and the ice-breaker *Krasin*, in 1933-34, from Arkhangel'sk around Cape Chelyuskin to the mouth of Lena and return, and the wintering of a part of expedition in the region of Cape Chelyuskin. **Copy seen:** DLC.

9750. LAVROV, B. V., and N. E. SHADRIN. Ekonomika gruzooborota Severnogo morskogo puti. (Sovetskaiia Arktika, 1936, no. 4, p. 11-24, map, tables) **Title tr.:** The economics of the Northern Sea Route freight turnover.

Discussion of the role and tasks of the Northern Sea Route in relation to the economic development of the Soviet arctic regions. Map shows the freight traffic planned for 1936-37.

Criticized by S. P. Natsarenus in *Takova li ekonomika*, 1936, q.v.

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LAVROV, B. V., see also Karavaeva, T. A. Beseda s letchikom. 1936.

9751. LAVROV, I. P. Risunki Onno: k mifologii chukchei. (Sovetskaiia etnografiia, 1947, vyp. 2, p. 122-33, 13 illus.) **Title tr.:** The drawings of Onno; contributions to the Chukchi mythology.

Contains a detailed description of twelve drawings of shamans and folklore, made by Onno, the son of a famous Chukchi shaman, who himself intended to become a shaman and went through the course of training. The artist's explanations of the drawings are given and also additional ethnological data. **Copy seen:** NN.

9752. LAVROV, NIKOLAI NIKOLAEVICH. Flora gribov i slizevikov Sibiri

i smezhnykh oblastei Evropy, Azii i Ameriki. Vyp. 1-2. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Biologicheskii nauchno-issledovatel'skii institut. Trudy. Seriya E. Biologiya, 1937. T. 3, vyp. 1, Botanicheskii, p. 12-59; 1938, t. 3, vyp. 2. Botanicheskii, p. 1-132) *Title tr.*: Flora of fungi and slime molds of Siberia and adjoining regions of Europe, Asia and America.

Contents tr.: 1. Mycological articles in foreign languages. 2. Foreign collectors and explorers. 3. Mycological and phytopathological papers in Russian languages. 4. Russian collectors and explorers in the field of mycology and phytopathology. 5. Exsiccata and pure cultures of Siberian fungi.

This extensively annotated bibliography records five hundred ninety-three works on the flora of fungi and slime molds of Siberia and adjoining regions, also data on collections and travels of three hundred twelve collectors and explorers; includes many papers on the arctic regions of the U.S.S.R., and a few on adjoining northern countries. Preface and summary in Latin. *Copy seen:* NNBG.

9753. LAVROV, NIKOLAI NIKOLAEVICH. Materialy k mikroflоре nizov'ev reki Eniseia i ostrovov Eniseiskogo zaliva. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Izvestiya, 1926. T. 77, p. 158-77) *Title tr.*: Materials for the micro-flora of the lower Yenisey valley and the islands of Yenisey Bay.

Contains a systematic enumeration of ninety-seven species of fungi, with critical notes and data on their host plants and geographical distribution in the lower Yenisey valley and delta. *Copy seen:* NNBG.

9754. LAVROV, NIKOLAI NIKOLAEVICH. Novye i bolee redkie golovnevye griby sem. Ustilaginaceae severnoi tsentral'noi Azii. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Biologicheskii nauchno-issledovatel'skii institut. Trudy, 1936. T. 2, p. 1-35, illus. diagr.) *Title tr.*: New and rare smut fungi of the family Ustilaginaceae of north central Asia.

Contains an enumeration of fifty species of smuts with Latin diagnoses of one new genus and four species, and detailed data on distribution in Ya-

kutia, Krasnoyarsk region and Kamchatka; bibliography (31 items). Summary in Latin. *Copy seen:* NNBG.

9755. LAVROV, NIKOLAI NIKOLAEVICH. Redkie golovnevye griby sem. Tilletiaceae Evrazii. (Tomskii gosudarstvennyi universitet im. V. V. Kuibysheva. Biologicheskii nauchno-issledovatel'skii institut. Trudy. Seriya E. Biologiya, 1938. T. 5, p. 43-85) *Title tr.*: Rare smut fungi of the family Tilletiaceae in Eurasia.

Contains descriptive data on sixty-two species of smuts with synonymy, host, distribution and size of spores; includes a few species from Yakutia and one from Kamchatka Peninsula; bibliography (44 items). Summary in Latin. *Copy seen:* NNBG.

LAVROV, V. V., *see* Al'tberg, V. Ia. & V. V. Lavrov. O popytakh lishit' vodu svoistva prevrashchat'sia v tverduu fazu. 1939.

9756. LAVROVA, M. A. Geomorfologicheskii ocherk doliny Rusanova na Novoi Zemle. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 61-93, illus., fold. map) *Title tr.*: Geomorphological outline of the Rusanov valley in Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences U.S.S.R., 1925. Description of the topographic features of Rusanov valley (73°50'-74°3'N. 55°53'-56°47'E.) and a history of its postglacial development, based on evidence of former glaciation, on marine deposits, moraines, ice-scoured lake basins, etc.

Maps: Topographic maps of (1) Rusanov valley scale 1:130,000, and (2) Ol'ginskaya valley, scale 1:200,000. Summary in English.

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9757. LAVROVA, M. A. K geologii guby Chernoi na Novoi Zemle. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 199-205, illus.) *Title tr.*: The geology of Chernaya fiord in Novaya Zemlya.

Based on the Novaya Zemlya Expedition of the Academy of Sciences, 1925. Description of geological formations of Chernaya Bay on the southern side of the southern island of Novaya Zemlya; with sketch map, scale 1:150,000. Summary in English.

Copy seen: DLC.

9758. LAVROVA, M. A. K poznaniū chetvertichnykh otlozheniū Pomorskogo berega Belogo Morīa. (Akademiā nauk SSSR. Geologicheskii institut. Trudy, 1933. T. 3, p. 5-39, illus. diagrs. map) *Title tr.*: Contribution to the exploration of the Quaternary deposits of the Pomorskiy coast of the White Sea.

Results of investigations carried out by author in 1929-30: a general geological characterization of the regions of Onezhskaya Bay (southern arm of White Sea) as Quaternary deposits lying on the rocks of the Fenno-Scandinavian crystalline shield; also hypothesis that, after the retreat of glaciers, the White Sea was an ice lake and that the strait, uniting it with Barents Sea, was barred by ice. Summary in English.

Map: Onezhskaya Guba, scale 1:1,250,000. *Copy seen*: DLC.

9759. LAVROVA, M. A. Nekotorye dannye po geologii guby Pomorskoī Matochkina Shara. (Akademiā nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 187-94, illus.) *Title tr.*: Some data on the geology of Pomorskaya Bay, Matochkin Shar.

Results of the Novaya Zemlya Expedition of the Academy of Sciences, 1925. Description of beds with a lower Ordovician (Ozarkian) fauna, discovered by the author in Pomorskaya Bay a branch of Matochkin Shar, with sketch map of Pomorskaya Bay, scale 1:75,000. Summary in English.

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9760. LAVROVA, M. A. O geografi-cheskikh predelakh rasprostraneniā boreal'nogo morīa i ego fiziko-geografi-cheskom rezhime. (Akademiā nauk SSSR. Institut geografii. Trudy, 1946. T. 37, p. 64-79, fold. map) *Title tr.*: On geographic distribution of the boreal sea and its physico-geographic régime.

Report based partly on personal geological investigations and delivered at the Conference on Quaternary Paleogeography organized by the Academy of Sciences, U.S.S.R. Institute of Geography. Author's conclusions on the area of the arctic seas of Europe and Asia in the last interglacial age (boreal sea), and some data on their physical conditions, especially temperature, resulting from examination of the fossil fauna. Bibliography (26 items).

Map: supposed area of the boreal

sea in the Soviet regions, scale 1:30,000,000.

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9761. LAVROVA, M. A. O geologicheskikh rabotakh Novozemel'skoi ēkspeditsii 1921 goda. (Akademiā nauk SSSR. Bulletin, jan.-déc., 1922. Sér. 6, T. 16, p. 425-38, sketch map, tables) *Title tr.*: About the geological work of the 1921 expedition to Novaya Zemlya.

Description of areas visited on western coast (71°32'N. to 74°25'N.) an account of work done there by P. V. Vittenburg and the author for the Northern Scientific and Economic Expedition. Lists of fossils by localities. Chemical analyses of coal and magnetic iron ore from Krestovaya Bay area. Thickness of layers of sediments, fossil peat, permafrost, and subterranean ice in same area. Chemical analyses of tar and limestone from Rogachev Bay area. Bibliographical footnotes (about 25 items).

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9762. LAVROVA, M. A. O khode rabot novozemel'skoi ēkspeditsii akademii nauk letom 1925 g. (Akademiā nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 1-14, illus. map) *Title tr.*: On the progress of works of the Novaya Zemlya Expedition of the Academy of Sciences in the summer of 1925.

General survey of the organization and of work of this expedition under the author's leadership. Summary in English.

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9763. LAVROVA, M. A. O nakhozhenii vechnoi merzloty v raione Volch'ei i Monche tundr na Kol'skom poluostrove. (Akademiā nauk SSSR. Komissia po izucheniiu vechnoi merzloty. Trudy, 1934. T. 3, p. 117-20) *Title tr.*: The presence of permafrost in the region of the Volch'ya and Moncha Tundras on the Kola Peninsula.

Contains reports on some observations made in 1932 by the Kola Expedition during the investigations of the Quaternary deposits of the region. It was established that permafrost ground is not found in the mineral ground in the forest zone; that its occurrence is possible north of this zone under favorable circumstances; and that it is found in spots in the peat mounds among the marshes.

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9764. LAVROVA, M. A. Osnovnye etapy chetvertichnoi istorii Kol'skogo poluo-

strova. (Vsesoiuznoe geograficheskoe obshchestvo. Izvestiia, 1947. T. 79, vyp. 1, p. 21-38, maps diagrs.) *Title tr.*: Main stages of the geological history of the Kola Peninsula.

A brief summary of the results of previous geological investigations on the Quaternary of the region. Bibliography, p. 37-38. *Copy seen: DLC.*

9765. LAVROVA, M. A. Zametka o nakhozhdenii vechnoi merzloty na iuzhnom beregu Kol'skogo poluostrova. (Akademiia nauk SSSR. Komissiiia po izucheniiu vechnoi merzloty. Trudy, 1935. T. 4, p. 253-55) *Title tr.*: Notes on the presence of permafrost on the southern shore of the Kola Peninsula.

Contains a short note aimed at redefining the southern border of permafrost distribution in the region of the Kola Peninsula. Permafrost was encountered by the author in the large peat mounds along the southern shore of the peninsula in various states of disintegration which affect the character of micro-relief of the region.

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9766. LAVROVA, M. A. Zametki o dolinnykh lednikakh doliny Rusanova i guby Krestovoi na Novoi Zemle. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 95-132, illus.) *Title tr.*: Notes on the valley glaciers of the Rusanov valley and Krestovaya Fiord in Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences, 1925. Description of five glaciers of the valley type in Rusanov valley and Krestovaya Bay (northern island of Novaya Zemlya), and results of observations of their motion, melting, deposits, moraines and mechanical action upon the underlying rocks. Summary in English.

Maps: Southern coast of Neznayemyi (Mityushikha) Gulf, scale 1:50,000, and southern coast of Krestovaya Bay, scale 1:50,000.

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9767. LAVROVA, M. A., and B. F. ZEMLIAKOV. Geologicheskii ocherk tsentral'noi zony severnogo ostrova Novoi Zemli po doline Rusanova. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 15-60, plates) *Title tr.*: Geological sketch of the central zone of the northern island

of Novaya Zemlya along the Rusanov valley.

Results of investigations of Novaya Zemlya expedition of the Academy of Sciences, 1925. A general survey of the geological formations and glaciers of the central zone of the northern island of Novaya Zemlya (region of 73°50'N. 56°50'E.) from Krestovaya Bay to Neznayemyi (i.e. Mityushikha) Gulf. Summary in English.

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9768. LAWING, NELLIE (TROSPER) NEAL. Alaska Nellie. Seattle, Wash., Seattle Printing & Publishing Co. [c1940] 201 p. 8 plates incl. ports.

Story of the author's life in and around Anchorage during and after World War I.

Copy seen: DLC; NNSf.

LAWRENCE, CHARLES H., see Smith, R. H., & C. H. Lawrence. Waterfowl breeding survey far North 1949. 1949.

9769. LAWRENCE, DONALD BUERMANN, 1911- , and E. G. LAWRENCE. Some glaciers of southeastern Alaska. (Mazama, Dec. 1949. v. 31, no. 13, p. 24-30, illus., 2 sketch maps)

Description of recession and advance of glaciers in (1) the Juneau Ice Field and (2) the Glacier Bay region, studied in the summer of 1949.

Copy seen: DSI-M.

LAWRENCE, ELIZABETH G., see Lawrence, D. B., & E. G. Lawrence. Some glaciers of southeastern Alaska. 1949.

9770. LAWSON, GEORGE. Remarks on the flora of the northern shores of America, with tabulated observations made by Mr. F. F. Payne on the seasonal development of plants at Cape Prince of Wales, Hudson Strait, during 1886. (Royal Society of Canada. Transactions, 1887, pub. 1888. v. 5, sec. 4, p. 207-212, incl. table)

Data on dates of spring budding, leafing, flowering, fruit or seed ripening, and autumn withering of sixty-six flowering plants, with notes on elevation, soil and moisture.

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LAWSON, M. A., see Brown, R., & others. Florula Discoana. 1868.

9771. LAY, GEORGE TRADESCANT, fl. 1825-1845, and E. T. BENNETT.

Fishes. (In: Beechey, F. W., and others. The zoology of Captain Beechey's voyage, 1839. p. 41-75, col. plates)

Contains list by region, including about twenty species (some new) collected on the Beechey voyage of 1825-28; and detailed discussion, description, and anatomical notes by Surgeon Collie on some of the specimens. Eighteen species are listed from Avacha Bay, Kamchatka, and one each from St. Lawrence Island waters and Kotzebue Sound, Alaska.

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LAY, GEORGE TRADESCANT, fl. 1825-1845, see also Hooker, Sir W. J., & G. A. W. Arnott. Botany of Capt. Beechey's voyage to Pacific. 1841.

9772. LAYCOCK, ARLEIGH H. Churchill, Manitoba. Toronto, 1949. 7 p. l., 128 numb. 1. and 21 l. of tables. illus., 18 photos., 18 diagrs. and maps. Type-script. Author's B.A. thesis to the University of Toronto, 1949, based on literature, and his observations during a geographical field party trip in the summer of 1948, during which five weeks were spent in Churchill.

Contains chapters on geology and geomorphology, climate, flora, fauna and soils, history of the region; the building of the railway and development of the Hudson Bay Route, activity of the port of Churchill, subsidiary development of the region, the military forces, and the settlement of Churchill; with a bibliography (77 items).

Copy seen: CaTU.

9773. LAYTHA, EDGAR, 1910-. North again for gold; birth of Canada's arctic empire; with fifty-four reproductions from photographs. New York, Frederick A. Stokes Co., 1939. xii p., 1 l., 360 p. 31 plates, incl. ports. Translated into French as *La nouvelle ruée vers l'or*, 1947, q.v.

Journalist's descriptions of the new "gold rush" to Mackenzie District, 1938-39; radium and gold mining developments at Eldorado on Great Bear Lake, and Yellowknife on Great Slave Lake; the prospectors, riverboat men, miners, engineers, traders, etc. and their life in the new mining areas.

Copy seen: DLC; NNStef.

9774. LAYTHA, EDGAR, 1910-. La nouvelle ruée vers l'or; ou, Naissance de l'empire arctique du Canada.

Tr. de l'anglais par Victor Forbin. Paris, J. Susse [1947, c1946] 330 p. illus. 22 cm. (Collection Voyages et aventures) Title tr.: The new road to gold; or birth of Canada's arctic empire. Translation of the author's *North again for gold*, 1939, q.v.

Copy seen: DLC.

9775. LAZARENKO, ANDREI SOZONTOVICH, 1901-. Kratkii opredelitel' listvennykh mkhov Dal'nego Vostoka. Vladivostok, 1936. 101 p. illus. (Dal'nevostochnyi filial Akademii nauk SSSR.) Title tr.: Brief guide for the determination of leafy mosses of the Far East. Issued by the Far Eastern Affiliate of the Academy of Sciences, U.S.S.R.

Contains a morphological sketch of leafy mosses and keys for determination of all known species of the Far East to which are added arctic species of European and Asiatic U.S.S.R., 177 species in all.

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9776. LAZARENKO, ANDREI SOZONTOVICH, 1901-. Relikty v bryoflore Sovetskogo Dal'nego Vostoka. (In: Akademiia nauk SSSR. Prezidentu Akad. nauk, 1939, p. 516-41, text maps) Title tr.: Relicts in bryoflora of the Soviet Far East.

Contains data on relicts in the bryoflora of the Soviet Far East, including Kamchatka; and a critical study of geographical distribution of some mosses having disjoint areals (some spreading to Alaska), in an attempt to use bryoflora as a basis of historical phytogeography.

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LAZAREV, M., see Andreev, A. I. Russkie otkrytiia v Tikhom okeane i Severnoi Amerike. 1944.

9777. LAZURKIN, V. M. Geologicheskiĭ ocherk ūgo-vostochnoi chasti Kharaulakhskogo khrebt. (Leningrad. Vsesoiūznyi arkticheskiĭ institut. Trudy, 1936. T. 48, p. 7-50, illus.) Title tr.: Geological outline of the southeastern part of the Kharaulakh Mountain range.

Summary of previous exploration in the region and results of the geological route-survey of the lower Lena River expedition of the Arctic Institute of U.S.S.R., 1932-33; orography and geomorphology, stratigraphy, tectonics. Summary in English.

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9778. LAZURKIN, V. M., and E. N. FREIBERG. K geologii Novoi Zemli. Peresechenie ūzhnogo ostrova Novoi Zemli osen'ŭ 1931 g. (Leningrad. Vsesoŭŭznyi arkticheskiĭ institut. Trudy, 1936. T. 49, p. 77-109, illus., plate, fold. map) *Title tr.*: On the geology of Novaya Zemlya. The crossing of the southern island of Novaya Zemlya in the autumn of 1931.

Results of the Novaya Zemlya Expedition of the Leningrad Geological Survey, describing the dog-sledge transportation during the fall season, geomorphology, stratigraphy, tectonics and probable occurrence of coal deposits.

Appendix tr.: FREDERIKS, G. N. Materials of the Permian fauna of Novaya Zemlya. Summary in English. The paper by G. N. Frederiks appears separately in this Bibliography.

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9779. LAZURKIN, V. M., and V. M. SAKS. K orografii severo-vostochnoi ĭakutii. (Vsesoŭŭznoe geograficheskoe obshchestvo. Izvestiĭa, 1939. T. 71, vyp. 3, p. 354-65, map) *Title tr.*: Contribution to the orography of northeastern Yakutia.

A description and discussion of the general relief and of the mountains of the region, based on personal observations and results of previous expeditions. Bibliography, p. 365.

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9780. LAZURKIN, V. M., and V. N. SAKS. Raboty Alazeiskoi geologicheskoi ĕkspeditsii v 1936 godu. (Problemy Arktiki, 1937, no. 3, p. 143-46) *Title tr.*: The work of the Alazeisk Geological Expedition, 1936.

Preliminary report on a Geological Survey of the region in northeastern Yakut A.S.S.R., east of the Indigirka basin (about 67°70'N. 147°-148°E.), the so-called Alazey Plateau.

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9781. LAZURKIN, V. M., and V. N. SAKS. Sovetskaiĭa geologiĭa v Arktike. (Akademiĭa nauk SSSR. Izvestiĭa; ser. geologicheskaiĭa, 1946, no. 1, p. 171-75) *Title tr.*: Soviet arctic geology.

Review of the scope and results of arctic research carried out during the past twenty-five years, prepared in connection with the twenty-fifth anniversary of the Arctic Scientific Re-

search Institute of the Main Administration of the Northern Sea Route.

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9782. LAZURKIN, V. M., and V. N. SAKS. Terra incognita v severo-vostochnoi chasti ĭakutii. (Vsesoŭŭznoe geograficheskoe obshchestvo. Izvestiĭa, 1937. T. 69, vyp. 2, p. 264-67) *Title tr.*: Terra Incognita of the northeastern part of Yakutia.

A brief sketch of the little-known Alazey Plateau region, investigated by a Geological Expedition of the Arctic Institute of U.S.S.R., 1936-37.

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9783. LEACH, WILLIAM, and N. V. POLUNIN. Observations on the vegetation of Finmark. (Journal of ecology, 1932. v. 20, p. 416-30, 4 plates, map)

Based on notes made during the Oxford University Expedition to Lapland, 1930. A discussion, with lists of plants, of the associations, described by zones, of the regions (1) Billefjordelev, (2) Lakselv, and (3) central Finmark between the Karasjokka and Kautokeino Rivers. *Copy seen:* DLC.

9784. LEACOCK, STEPHEN BUTLER. 1869-1944. Adventurers of the far North, a chronicle of the frozen seas. Toronto, Glasgow, Brook & Co., 1914. xi, 152 p. col. front., 5 plates incl. ports., fold. map. (Chronicles of Canada series, 20)

Sketches of exploration in the North American Arctic from Elizabethan times to the Franklin search; with brief chapter on subsequent expeditions. *Copy seen:* DLC; NNSf.

9785. LEAHEY, A. Characteristics of soils adjacent to the Mackenzie River in the Northwest Territories of Canada. (Soil Science Society of America. Proceedings, 1947, v. 12, p. 458-61 sketch map)

Report, by the soil specialist of the Canadian Experimental Farms Service, on an exploratory soil survey traverse of the valley, Aug. 2-Sept. 8, 1945. Includes brief remarks on climate and vegetation and analyses of soils from Fort Simpson, Fort Norman, Fort Wrigley, Birch Creek, and Aklavik.

Copy seen: DA; CaMAI; CaOA.

LEAHEY, A., see also Canada. Experimental Farms Service. Preliminary report soil survey. 1943.

LEAHEY, A., see also Canada. Experimental Farms Service. Progress report Whitehorse. 1945.

LEAHEY, A., see also Canada. Experimental Farms Service. Report selection of site substation Yukon Territory. 1944.

LEAHEY, A., see also Canada. Experimental Farms Service. Report soil survey Fort Nelson to Waterways. 1944.

LEAHEY, A., see also Canada. Experimental Farms Service. Report trip substation Whitehorse. 1946.

9786. LEARMONTH, L. A. Ross meets the Netchilikis. Two versions of Sir John Ross's first meeting with the Eskimos of Boothia in 1830. (Beaver, Sept. 1948. Outfit 279, nr. 2, p. 10-13, illus.)

The author gives (1) his English translation of the traditional Eskimo version of the meeting as told him by Ohokto, and (2) Ross' account of the meeting as published in his *Narrative of a second voyage in search of a North-west Passage . . . 1829 . . . 1833*. The latter includes the explorer's descriptions of the Eskimos.

Copy seen: DSI-M.

9787. LEARNARD, H. G. Report. (In: U. S. Adjutant-General's office. Military Information Division. Reports of explorations in the Territory of Alaska [etc.] 1898, pub. 1899. p. 125-87)

Contains accounts of trips, as part of U. S. Military Exploring Expedition no. 3, from Portage Bay to Turnagain Arm (Cook Inlet); from Resurrection Bay across Kenai Peninsula to Turnagain Arm; an ascent on the Sushitna River, and the Talkeetna (a tributary); descriptions of the country, the Indians, mineral resources (coal and gold), crops, timber, game and fur-bearing animals; remarks on pack animals, and recommendations for food rations.

Copy seen: DGS.

9788. LEBEDENKO, ALEKSANDR GERVAS'EVICH, and DAVID EFREMOVICH IUZhin. Osada pol'usa. Izd. 2. Moskva, OGIZ-Molodaia gvardiia, 1931. 312 p. [2], illus., 4 sketch maps. Title tr.: The siege of the Pole.

Part 1 of this popular work is Lebedenko's history of arctic expeditions from Franklin to Nobile (p. 3-119).

Part 2 is a narrative of the Krasin Expedition of 1928, written by a participant, D. E. Iuzhin (p. 121-313); though on the same subject as his "S. Krasinym na spasenie Italiu", q.v., this is a different work.

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9789. LEBEDEV, A. P. Petrografiia dokembriiskikh porod raiona Kandalakshi (Kol'skii poluostrov). (Akademiia nauk SSSR. Kol'skaia baza. Trudy, 1937. Vyp. 4, p. 59-102, fold. map, 5 plates) Title tr.: Geological and petrographic sketch of the Kandalaksha-Kolvitsa region.

Results of the author's geological and petrographic study, in the region of Kandalaksha Bay, Kola Peninsula, with a geological sketch map indicating the main formations; bibliography (21 items). Summary in English.

Copy seen: DLC.

9790. LEBEDEV, D. V. Sovetskaia botanicheskaia literatura. (Knigi, vyshedshie v pervoi polovine 1949). (Botanicheskii zhurnal, 1949. T. 34, vyp. 6, p. 639-50) Title tr.: Soviet botanical literature. (Books published in the first half of 1949).

Contains a classified bibliography (about 200 items) of Russian works on flora, vegetation, forestry, agriculture, etc., published in 1949. Includes a few items concerning arctic regions.

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9791. LEBEDEV, I. Vliianie rek na l'dy arkticheskikh morei. (Sovetskaia Arktika, 1938, no. 7, p. 95-97, tables) Title tr.: Influence of rivers on the ice of the arctic seas.

Discussion of the relationship between the changing annual discharge of rivers and ice conditions of the sea near their estuaries, with particular reference to the Ob, Yenisey, and Lena Rivers in 1934-1936.

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9792. LEBEDEV, M. S. Sudovoi foto-teodolit. (Sovetskaia Arktika, 1937, no. 5, p. 111-112, illus.) Title tr.: A ship's phototheodolite.

Experiment with a new type of phototheodolite constructed in the workshop of the Hydrographic Administration of the Northern Sea Route in 1936.

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9793. LEBEDEV, V. N. Predvaritel'nyi otchet ob izsledovanii vod Kam-

chatki v 1908-1909 g. (Vsesoŭznoe geograficheskoe obshchestvo. Izvĕstiĭa, 1911. T. 67, p. 27-81, tables, fold. map) **Title tr.:** Preliminary report on the exploration of water bodies of Kamchatka, 1908-1909. Partial results of the work of the zoological section of the Riĭabushinskii Expedition.

Contains discussion of the geography of the region and observations of the temperature and transparency of Kamchatka River and tributaries, with data on time of freezing and the break-up of ice; observations of temperature at various depths, relation of air temperature to water temperature, content of chlorine compounds, organic matter, and oxygen, in Lakes Nerpich'ye and Azabach'ye; temperatures at various depths, heat loss, and the transparency of Dal'neye Blizhneye and Kalakhtyrskoye Lakes in the Avacha Bay region; temperatures of Shchapinskiye and Pushchinskiye hot springs; salinity and temperature of ocean water at Kamchatka and Avacha Bays; a study of Ozeraya and Kamchatka Rivers, their seasonal changes and interrelationship; and some conclusions.

Map (soil and route) of Kamchatka River delta, scale 1:42,000.

Copy seen: DLC.

LEBEDEV, V. N., *see also* Shmidt, P. Iŭ. Kamchatskaĭa ĕspeditĭiĭa. 1916.

9794. LEBEDEV, VLADIMIR V. K gidrologii nizov'ĭa reki Pĭasiny. (Leningrad. Vsesoŭznyĭ arkticheskii institut. Trudy, 1939. T. 128, p. 5-26, illus., tables, diagrs.) **Title tr.:** On the hydrology of the lower reaches of the Pyasina River.

Results of field work 1935-37, with data on freezing and opening, river levels, current speeds, water discharge, and other factors. **Copy seen:** DLC.

9795. LEBEDEV, VLADIMIR V. Materialy po gidrologii r. Pĭasiny. Leningrad, 1936. 46, [1] p. tables, diagrs. (Leningrad. Vsesoŭznyĭ arkticheskii institut. Trudy, 1936. T. 75) **Title tr.:** Materials on the hydrology of the Pyasina River.

Results of an Arctic Institute expedition in 1934, giving meteorological observations, data on precipitation, winds, temperature and transparency of water, freezing and thawing of the

ground, observations on freezing of the river, its level, speed of current and flow of water. Summary in English.

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9796. LEBEDEV, VLADIMIR V. Novyye formuly rosta l'da v arkticheskikh rekakh i moriĭakh. (Meteorologĭiĭa i gidrologĭiĭa, 1940. T. 6, no. 8, p. 40-51, tables, diagrs.) **Title tr.:** New formulas of the growth of ice in arctic rivers and seas.

A discussion of formulas used for the calculation of growth of ice in the Arctic and their validity under various conditions. Bibliography (10 items).

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9797. LEBEDEV, VLADIMIR V. Rost l'da v arkticheskikh rekakh i moriĭakh v zavisimosti ot otritsatel'nykh temperatur vozdukh. (Problemy Arktiki, 1938, no. 5-6, p. 9-25, tables, diagrs.) **Title tr.:** The growth of ice in arctic rivers and seas in relation to low air temperatures.

Contains a brief review of formulas in the literature on the growth of ice, and the author's conclusions based on observations at 24 polar stations, 1933-37.

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LEBEDEVA, E., *see* Titĭĭanov, A., & E. Lebedeva. Raboty Kamchatskoĭ opyt'noĭ stantsii. 1940.

9798. LEBEDEVA, LIDIĖA ALEK-SANDROVNA, 1871- . Fungi novi e Sibiriĭa polari. (Leningrad. Glavnyi botanicheskii sad RSFSR. Institut sporyykh rastenĭiĭ. Botanicheskie materialy, 1924. T. 3, vyp. 1, p. 15-16) **Title tr.:** New fungi from arctic Siberia.

Contains Latin diagnoses of three new species of fungi collected in Taymyr Peninsula and in Kotelnny Island (New Siberian Islands) by A. A. Bĭalynitskii-Birula in 1901-1902.

Copy seen: NNBG.

9799. LEBEDEVA, LIDIĖA ALEK-SANDROVNA, 1871- . Griby arkticheskogo poberezh'ĭa Sibiri. Leningrad, 1928. 2 p. 1, 23 p., illus. (Akademĭiĭa nauk SSSR. Komissĭiĭa po izuchenĭiŭ ĭakutskoĭ Avtonomnoĭ Sovetskoi Sotsialisticheskoi Respubliki. Trudy. Tom 12) **Title tr.:** Mushrooms of the Siberian arctic coast.

Based on collections made by the Russian Polar Expedition of 1900-1903 under Baron von Toll. Annotated list,

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with localities and references to the literature, of thirty-six species of mushrooms, including three new species fully described. Bibliography, p. 20-23.

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9800. LEBEDEVA, LIDIYA ALEKSANDROVNA, 1871- . O novykh gri-bakh na mkhe - *Tetraplodon bryoides* Lindb. (Leningrad. Glavnyi botanicheskiy sad RSFSR. Institut sporovykh rastenii. Botanicheskie materialy, 1924. T. 3, vyp. 6, p. 88-91) **Title tr.:** On new fungi living on the moss *Tetraplodon bryoides* Lindb.

Contains Russian and Latin descriptions of two new species of fungi, *Phyllosticta tetraplodontis* and *Didymosphaeria tetraplodontis*, with data on their distribution in arctic regions of the U.S.S.R.

Copy seen: NNBG.

9801. LEBETS, G. Antropologicheskoe izchenie Sovetskogo Severa. (Sovetskii Sever, 1934, no. 6, p. 58-79, illus. tables) **Title tr.:** Anthropological studies in the Soviet North.

Physical characteristics of several northern native groups: the Lapps, Samoyeds, Ostyaks, Voguls, Tungus, and Lamuts; summary table of body measurements.

Copy seen: DLC.

9802. LE BOURDAIS, DONAT MARC, 1887- . Northward on the new frontier. Ottawa, Canada, Graphic Publishers Ltd., [c1931] 311 p. 2 plates, incl. ports. maps on lining-papers. Issued also in Toronto by T. Nelson & Sons, Ltd., 1931.

Account of Carl Lomen's venture sending the schooner *Herman* to Wrangel Island in 1924, to trade in furs and confirm American rights there, a trip which Le Bourdais accompanied as journalist. He describes the Bering coast of Alaska, the reindeer industry, visit to St. Michael, Nome and Pt. Barrow; the finding of human skeletons on Herald Island, life on the *Herman* fast in ice off Wrangel Island for twenty days, and return trip south.

Copy seen: DLC; NNSStef.

LE BOURDAIS, DONAT MARC, 1887- , see also Stefansson, V. Adventure of Wrangel I. 1926.

9803. LECHE, JAKOB WILHELM, 1850-1929. Öfversigt öfver de af Svenska expeditionerna till Novaya Zemlja och Jenissej 1875 och 1876 insamlade hafsmollusker. Stockholm, P. A. Nor-

stedt, 1878. 86 p. 2 plates (Svensk vetenskapsakademien. Handlingar. Bd. 16, nr. 2) **Title tr.:** Summary of marine molluscs collected by the Swedish Expedition to Novaya Zemlya and Yenisey, 1875 and 1876.

List, with descriptions, localities and synonymy, of one hundred sixty-one species from Barents Sea and Kara Sea; with tables of distribution according to ocean depth and region in the Arctic.

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9804. LECHE, JAKOB WILHELM, 1850-1929. Öfversigt öfver de af Vega-expeditionen insamlade arktiska hafsmollusker. I. Lamellibranchiata. (In: Nordenskiöld, N. A. E. Vega-expeditionens vetenskapliga iakttagelser, 1883. Bd. 3, p. 433-54, 3 plates) **Title tr.:** Summary of arctic marine molluscs collected by the Vega Expedition. I. Lamellibranchiata.

Contains list, with synonymy, locations and remarks, of forty-two (including one new) species and varieties of clams from Kara Sea, the waters north of Siberia, Bering Strait and Sea. Includes list of collecting stations showing geographic position, depth and bottom sediments.

Copy seen: DSI-M.

9805. LE CHEVALLIER, JULES JEAN MARIE JOSEPH, 1876- . Démembrement du vicariat de la Rivière-Rouge durant l'Administration de Mgr. Taché. (Études Oblates, avr.-juin 1945. T. 4, p. 68-97) **Title tr.:** The dismemberment of the Red River vicariate during the administration of Bishop Taché.

Contains history of the erection of the Mackenzie vicariate in 1862.

Copy seen: CaOUS.

LE CLERC, J. A., see Capen, R. G., & J. A. Le Clerc. Chemical composition Alaska hays. 1933.

LECOINTE, GEORGES, 1869- , see International Polar Commission. Proceedings. 1908.

LE CONTE, PIERRE, see Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1925. 1926.

LE CONTE, PIERRE, see Charcot, J. B. A. E., & others. Rapport préliminaire *Pourquoi-Pas?* 1928. 1930.

9806. LE DANOIS, EDOUARD, 1887- . Études sur quelques poissons des Océans Arctique et Atlantique. Paris, Masson et Cie, 1914. 75 p. illus., plate.

(Institut océanographique, Monaco. Annales. T. 7, fasc. 2) **Title tr.:** Studies on fishes of the Arctic and Atlantic Oceans.

Based on collections made during the cruise of the *Pourquoi-Pas?* 1912-13, which included stations in Jan Mayen waters; also on fishes from the Bénard Expedition to Novaya Zemlya, 1908. These studies are annotated lists of fishes, with synonymy, measurements, descriptive notes and distribution. They include four species (one new) from waters around Jan Mayen, and eleven species from waters off Novaya Zemlya.

Copy seen: DF.

9807. LEDEBOUR, KARL FRIEDRICH VON, 1785-1851. Commentarius in J. G. Gmelini Floram sibiricam. (Bayerische botanische Gesellschaft, Regensburg. Denkschriften, 1841. Bd. 3, Theil 2, p. 43-138) **Title tr.:** Commentary on J. G. Gmelin's *Flora sibirica*.

Contains an allocation of the species in Gmelin's *Flora sibirica*, 1747-69, to their genera and species under the binomial system.

Copy seen: MH-A.

9808. LEDEBOUR, KARL FRIEDRICH VON, 1785-1851. *Flora rossica*; sive, Enumeratio plantarum in totius imperii Rossici provinciis europaeis, asiaticis et americanis hucusque observatarum. Stuttgartiae, sumtibus librariae E. Schweizerbart, 1841-53. 4 v. fold. map. **Title tr.:** *Flora of Russia*, or enumeration of all plants of European, Asiatic and American provinces of the Russian Empire.

Contains, in this first complete flora of Russia, "Florae rossicae fontes" (Sources of Russian flora), v. 1, p. vii-xii; v. 2, p. iii-vi; and a systematic enumeration of all then known plants of Russia, and Russian America including some native to arctic Russia. For the dates of publication of the parts of this work, see Stearn, W. T., Ledebour "Flora rossica", etc. (Arnold Arboretum. Journal, 1941, v. 22, p. 225-27).

Copy seen: MH-A.

9809. LEDEN, CHRISTIAN. Musik und Tanze der grönländischen Eskimos und die Verwandtschaft der Musik der Polareskimo mit der Indianer. (Zeitschrift für Ethnologie. Berlin, 1911. v. 43, p. 261-70, illus., incl. music) **Title tr.:** Music and dances of the Greenland Eskimos and the relationship of the music of the Eskimos with that of the Indians.

Describes the song, drum, and dance patterns of the Greenland Eskimos, as observed on a trip in West Greenland from Umanak Fiord to the vicinity of Cape York in 1909, and in 1910 at Angmagssalik, East Greenland, compares samples of Eskimo and Indian music.

Copy seen: DLC.

9810. LEDNEV, V. K voprosu o selenosti vod Cheshskoi guby. (Meteorologiya i gidrologiya, 1939. T. 5, no. 10-11, p. 185-88, diagrs.) **Title tr.:** Contributions on the problem of salinity in Cheshskaya Bay.

A discussion of the relatively high salinity of Cheshskaya Bay and causes of this phenomenon.

Copy seen: DLC.

9811. LEDOUX, AUGUSTE JOSEPH GASTON, 1888-1918. Tourmaline from MacDonald Island, Baffin Land. (Canadian field naturalist, Sept. 1918. v. 32, p. 49-51, illus.)

Detailed description of the crystallography.

Copy seen: DLC.

9812. LEDOVYI LAGER' SHMIDTA; iz vospominaniĭ Chelĭuskintĭev-arkhangelogorodtĭsev. Arkhangel'sk, Severnoe kraevoe izd-vo, 1934. 91, [1] p. **Title tr.:** Shmidt's ice camp; from the recollections of those members of the Chelĭuskin expedition who were natives of Arkhangel'sk.

Popular account of the life in Camp Shmidt, on the ice of the Chukchi Sea, from the sinking of the Chelĭuskin on Feb. 13, 1934, to the rescue of the participants of the expedition by air two months later. Capt. Voronin's chapter gives a brief sketch of the voyage.

Copy seen: DLC.

9813. LEE, A. J. The forecasting of climatic fluctuations and its importance to the arctic fishery. (In: Rolfeisen, G., and others. Climatic changes in the Arctic (etc.), 1949. Pub. in International Council for the Study of the Sea. Rapport et procès-verbaux, v. 125, p. 40-41)

Brief discussion, especially of the Bear Island waters' temperature fluctuations, with bibliography (8 items).

Copy seen: DF; DGS; DLC.

9814. LEE, CHARLES A., comp. Aleutian Indian and English dictionary; common words in the dialects of the Aleutian Indian language as spoken by the Oogashik, Egashik, Egelik, Anangashuk and Misremie tribes

around Sulima River and neighboring parts of the Alaska Peninsula. Seattle, Wash., Lowman & Hanford Stationery & Printing Co., 1896. 23 p.

Lists of English words with Aleut equivalents, separate lists for numbers, money terms, and names of individuals and companies of importance to the natives. *Copy seen:* DLC; NNStef.

9815. LEE, CUTHBERT, 1891-. With Dr. Grenfell in Labrador, by Cuthbert Lee, with a chapter by Wilfred T. Grenfell. New York, The Neale Publishing Co. 1914. 3 p. l., 5-157 p. 19 plates, incl. ports., map.

The author, who served as a volunteer aide for one year to Dr. Grenfell, here describes the whites, Indians and Eskimos, the medical mission and its stations. *Copy seen:* DLC; NNStef.

9816. LEE, DENARD. Some new species of corals from the Niagaran strata of the Hudson Bay region. (Illinois State Academy of Science. Transactions, 1931. v. 24, p. 360-62, illus.)

Descriptions of three new species of fossils from Ekwan, Severn, and Fawn Rivers, Northern Ontario.

Copy seen: DGS.

9817. LEE, DOUGLAS H. K., and HOYT LEMONS. Clothing for global man. (Geographical review, Apr. 1949. v. 39, p. 181-213, 3 maps, diagrs.)

Discussion in brief of environmental effects on man: (1) thermal, (2) mechanical, (3) psychological, and (4) biological; clothing allowance zone maps, including the arctic zone; and wind chill maps; discussion of the thermal basis of clothing design and principles of arctic clothing.

Copy seen: DLC.

9818. LEE, G. W. A Carboniferous fauna from Novaja Semlja, collected by Dr. W. S. Bruce. (Royal Society of Edinburgh. Transactions, 1909. v. 47, p. 143-86, 2 plates)

"Based on the study of a suite of fossils collected [at Cape Cherney] in 1898 . . . during a cruise with Major Andrew Coats in the Barents Sea, on board the yacht 'Blencathra'."

Contains a classified and annotated list of ninety-two fossil invertebrate species (from Foraminifera through Crustacea) and a table showing the fauna and its horizontal and vertical distribution elsewhere.

Includes a note on the fossil corals, by R. G. Carruthers.

Copy seen: DLC.

9819. LEE, G. W. Note on arctic Palaeozoic fossils from the "Hecla" and "Fury" collections. (Royal Physical Society, Edinburgh. Proceedings, 1912. v. 18, p. 255-64, illus.)

Based on specimens collected on the shores of Prince Regent Inlet (Somerset Island and Brodeur Peninsula) by Parry during his third cruise, 1824-25. Descriptions and synonymy of five species of coelenterates, four brachiopods, eight (including two new) species of molluscs, and three ostracods.

Copy seen: DLC.

9820. LEE, G. W. Notes on fossils from Prince Charles Foreland, brought home by Dr. William S. Bruce in 1906 and 1907. (Royal Physical Society, Edinburgh. Proceedings, 1907-08, pub. 1908. v. 17, p. 149-66, double-face plate)

Based on collections made while Dr. Bruce was surveying the island, during the Scottish Spitsbergen Expeditions. Brief description of the rock formations from which the fossils derived, a discussion of their age and correlation, and lists of one fossil worm, two crustaceans, six (including with descriptions two new) bryozoans, and seven brachiopods. *Copy seen:* DLC.

9821. LEE, HERBERT PATRICK. Policing the top of the world. London, John Lane [1928] 4 p. l., 250 p. 14 plates, incl. ports., and 2 maps.

The experiences of a private in the Royal Canadian Mounted Police at Craig Harbour, Ellesmere Island, 1922-23; descriptions of hunting for seals, bears, and walrus; of the animal life, sledge journeys and the weather.

Copy seen: DLC; NNStef.

9822. LEE, HUGH J. Peary's transections of North Greenland, 1892-1895. (American Philosophical Society. Proceedings, 1940. v. 82, p. 921-34)

Paper read before the Society's Symposium on American Polar Exploration, Feb. 1940, an account of earlier efforts and of Peary's two marches across the icecap, by one of the men who accompanied him on his second trip.

Copy seen: DLC.

9823. LEE, LESLIE W. Some bryophytes of Greenland. (Bryologist, Sept. 1944. v. 47, p. 114-18)

List, with notes on habitats, of about fifty species of mosses from "south Greenland" collected Nov. 1942-Jan. 1943. *Copy seen:* DA.

9824. LEECHMAN, JOHN DOUGLAS, 1890- . Caribou for Chipewyans. (Beaver, Mar. 1948. Outfit 278, no. 4, p. 12-13, illus.)

Brief text to accompany a group of photographs illustrating the process of dressing caribou skins, by the northern Manitoba Indians.

Copy seen: DSI-M.

9825. LEECHMAN, JOHN DOUGLAS, 1890- . Eskimo summer. Toronto, Ryerson Press [1945] ix, 247 p. front. (map) 6 plates.

Account of an archeologists sojourn on Button Islands (off the northern tip of Labrador Peninsula) with Labrador Eskimos from Killinek Island as companions; description of the modern Eskimo way of life, their dances, clothing and hunting, etc.

Copy seen: DLC; NNStef.

9826. LEECHMAN, JOHN DOUGLAS, 1890- . Igloo and tupik. (Beaver, Mar. 1945. Outfit 275, no. 4, p. 36-39, illus.)

Descriptions of the various types of dwellings used by the modern Eskimos of Canada.

Copy seen: DSI-M.

9827. LEECHMAN, JOHN DOUGLAS, 1890- . Indian summer. Toronto, Ryerson Press [1949] x, 182 p. 4 plates.

"These sketches of Indians I have known [in western and northern Canada], and of tales they have told me, cover a period of forty years." The author knows his Indian friends as normal human beings, falling short of white men neither in intellect nor in virtue, describes episodes in their day-to-day life, their handicrafts, practices and beliefs, as parts of the old culture and old philosophies now vanishing.

Illus. are portraits of four Loucheux Indians of Old Crow, Yukon Territory, drawn by A. Langdon Kihn.

Copy seen: DLC.

9828. LEECHMAN, JOHN DOUGLAS, 1890- . Moravians to Ungava. (Beaver, Sept. 1947. Outfit 278, no. 2, p. 28-31, illus., sketch map)

The story of two Moravian brethren and an Eskimo, running Grenfell's Tickle (Ikkerasak, middle part of the passage through Cape Chidley 61°N.

60°W.) in 1811, traveling southwest along the coast as far as the mouth of Koksoak River in Ungava Bay, and return.

Copy seen: DSI-M.

9829. LEECHMAN, JOHN DOUGLAS, 1890- . Old Crow's village. (Canadian geographical journal, July 1948. v. 37, p. 2-16, illus.)

Description of Old Crow, a village dating from about 1912 near the confluence of the Old Crow and Porcupine Rivers, Yukon Territory (about 67°N. 140°W.); its people the Vanta-Kutchin, a branch of the Loucheux tribes, their history, present-day life, houses, food, transportation, commerce, communications, social services and amusements.

Copy seen: DGS; DLC.

9830. LEECHMAN, JOHN DOUGLAS, 1890- . Prehistoric migration routes through the Yukon. (Canadian historical review, Dec. 1946. v. 29, p. 383-90)

Brief description of ancient habitation sites yielding stone implements discovered by the author along the Alaska Highway in 1945. Discussion of probable migration routes followed by early man in interior of Alaska and Canada.

Copy seen: DLC.

9831. LEECHMAN, JOHN DOUGLAS, 1890- . Two new Cape Dorset sites. (American antiquity, Apr. 1943. v. 8, p. 363-75)

Excavations were made in northern Labrador, 1935 and 1936 at Dorset culture sites on McLellan Strait, southeastern end of Hudson Strait, and on Nuvuk, an island 30 miles southwest of Cape Wolstenholme, southwest end of Hudson Strait. Material found included typical Dorset stone implements, harpoon heads, barbed points, needles, sled runners, figurines, etc.

Copy seen: DLC; DSI.

9832. LEECHMAN, JOHN DOUGLAS, 1890- . Whence came the Eskimo? (Beaver, Mar. 1935. Outfit 265, no. 4, p. 38-41, illus.)

An archeologist of the National Museum of Canada discusses the origin of Eskimos, for the general reader.

Copy seen: DSI-M.

9833. LEES, EVERETT JOHN, 1903- . Geology of Teslin-Quiet Lake area, Yukon. Ottawa, King's Printer, 1936. 2 p. l., 30 p. front., plates, fold. map (in pocket) (Canada. Geological Survey. Memoir 203)

Contains: Chapters on physical features, general and economic geology (including gold deposits); bibliography, p. 3. *Map:* Geological map 350 A (scale 1:253,440) 60°-61°15'N. 132°15'-134°15'W. *Copy seen:* DLC.

9834. LEES, EVERETT JOHN, 1903-. *Geology of the Laberge area, Yukon.* (Royal Canadian Institute. Transactions, Sept. 1934. v. 20, p. 1-48, 6 plates) Abstract of the author's PhD. thesis to the University of Toronto.

Contains description of physiography, glacial, structural, and economic geology, stratigraphy and petrography. Includes lists, with descriptions, of twenty-one fossil molluscs, four brachiopods, and one sponge, from the Lewes River and Laberge series.

Copy seen: DLC.

LEES, EVERETT JOHN, 1903-. *see* also Bostock, H. S., & E. J. Lees. Laberge map-area, Yukon. 1938.

LEES, EVERETT JOHN, 1903-. *see* also Cockfield, W. E., & E. J. Lees. Occurrence Triassic Southern Yukon. 1931.

9835. LEFFINGWELL, ERNEST de KOVEN, 1876-. *The Canning River region, northern Alaska.* Washington, U. S. Govt. Print. Off., 1919. 251 p. illus., 35 plates (part fold. incl. 6 fold. maps), diags. (U. S. Geological Survey. Professional paper 109) Report on the results of the Anglo-American Polar Expedition (Mikkelsen-Leffingwell Expedition), 1906-07, and on the author's investigations, 1908-14, in the area south of Camden Bay.

Contents include: Introduction: Itinerary, p. 13-18. Equipment (shelter, gear, dog sleds and harness, food, clothing, scientific instruments) p. 19-31. Construction of the maps (geodetic observations, triangulation, topography) p. 32-45. Hydrography, aurores, tidal observations (cf. Harris, R. A., *Arctic tides*, 1911) p. 46-48.

Geography: Arctic mountain system (including Franklin, Romanzof Mts.), arctic slope, drainage (Okpilak, Hulahula, Sadlerochit, Canning Rivers, and hot springs) climate, vegetation, animal life and population, transportation and communication, p. 48-68. History of exploration (bibliography, abstracts of narratives, 1826-1914) p. 69-87. Geographic nomenclature, p. 87-100.

General geology: Subdivisions of the rocks (including, in the Cenozoic, gravel mounds, recent aufeis, and recent sea ice) p. 100-163. Structure, and historical geology, p. 163-66. Geomorphology (including coast line, drainage, and effects of water, inland ice, sea ice, wind and frost), p. 166-77. Mineral resources (gold, coal, petroleum, amber), p. 178-79.

Ground ice: Permanently frozen ground, p. 179-94. Ice (kinds, structure and preservation), p. 194-204. Observations on ground ice (wedges on north shore of Alaska, miscellaneous forms, review of the literature of Siberia, Novaya Zemlya, Spitzbergen, Eschscholtz Bay region, and North America in general, distribution and age) p. 205-42. Bibliography, p. 242-43. Index, p. 245-51.

Maps: Reconnaissance map of Canning River region (1:250,000); geologic reconnaissance Canning River region (1:250,000); north arctic coast Alaska (1:1,000,000); coast line between Challenge Entrance and Thetis Island, Alaska (1:125,000); coast line between Martin Point and Challenge Entrance, Alaska (1:125,000); triangulation stations along coast adjacent to Canning River, Alaska (1:80,000). *Copy seen:* DGS.

9836. LEFFINGWELL, ERNEST de KOVEN, 1876-. *Flaxman Island, a glacial remnant.* (Journal of geology, Jan.-Feb. 1908. v. 16, p. 56-63)

Description and discussion of the origin of the tundra-covered ice which occurs to unknown depths over this island, off the north Alaskan coast, about 70°12'N. 146°W., based on observations of the Anglo-American Polar expedition, 1906-1907.

Copy seen: DGS.

9837. LEFFINGWELL, ERNEST de KOVEN, 1876-. *Ground-ice wedges, the dominant form of ground-ice on the north coast of Alaska.* (Journal of geology, Oct.-Nov. 1915. v. 23, p. 635-54, illus.)

Contains a description of forms which the author believes might be developed throughout a region of permanently frozen ground; a discussion of their formation and the associated frost cracks and polygonal soil to be found on the north coast of Alaska.

Copy seen: DGS.

LEFFINGWELL, ERNEST de KOVEN, 1876- , see also Mikkelsen, E. Conquering arctic ice. 1909.

LEFFINGWELL, ERNEST de KOVEN, 1876- , see also Mikkelsen, E., & E. de K. Leffingwell. Report of Mikkelsen-Leffingwell Expedition. 1907.

9838. LEFFLER, J. A. Bidrag till kännedomen om de skandinaviska arterna af växtsläktet *Lepigonum*. (Botaniska notiser, 1865, no. 5, p. 89-98) *Title tr.*: A contribution to the knowledge of Scandinavian species of the genus *Lepigonum*.

Contains critical notes on four Scandinavian species of herbaceous genus *Lepigonum*, including *L. marinum* occurring in Nordland, Norway and *L. salinum* native to Finnmark (68°49'N.)

Copy seen: MH-A.

9839. LEFROY, Sir JOHN HENRY, 1817-1890. Diary of a magnetic survey of a portion of the Dominion of Canada chiefly in the North-Western Territories executed in the years 1842-1844. London, Longmans, Green, & Co., 1883. xxiv, 192, [2] p. 5 maps (4 fold.) tables, fold. diagr.

Contains detailed discussion of magnetic elements and methodology; diary, Sept. 19, 1842-June 30, 1844, of an extensive trip from Montreal via Fort Garry (Winnipeg) to Hudson Bay (York Factory, Churchill); via Lake Winnipeg, Saskatchewan River, Lake Athabaska, to Great Slave Lake and down the Mackenzie River to Fort Good Hope (66°16'N.) Includes throughout, brief comment on terrain, weather, and travel conditions, and (in detail) results of Lefroy's observations together with a consolidation of other observers' results, particularly those made between the time of Lefroy's trip and the publication of this book. Note on permanently frozen ground at Fort Norman, p. 161. List of stations and index.

Copy seen: DLC; NNSStef.

9840. LEFROY, Sir JOHN HENRY, 1817-1890, and Sir JOHN RICHARDSON. Magnetical and meteorological observations at Lake Athabasca and Fort Simpson, by Captain J. H. Lefroy . . . and at Fort Confidence, in Great Bear Lake, by Sir John Richardson. Printed by order of Her Majesty's government. London, Pub. for H. M. Stationery Off., by Longman, Brown,

Green & Longmans, 1855. xiv p., 2 l., 3-391, [1] p. illus., fold. diagr.

Contents: Lefroy, J. H. Magnetical and meteorological observations at Lake Athabasca and Fort Simpson, Oct. 1843-May 1844, p. 1-288.

Richardson, Sir John. Magnetical observations at Fort Confidence, reduced and discussed by C. W. Younghusband, p. 289-323.

Richardson, Sir John. Meteorological observations, Oct. 1848-April 1849 at Fort Confidence, p. 324-391.

Copy seen: DLC.

9841. LEGGET, R. F. Canadian interest in snow and ice research. (National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. Technical memorandum, 1949. No. 14, N.R.C. no. 2034, p. 40-60)

One of the Canadian papers presented at the Oslo meeting of the International Union of Geodesy and Geophysics, Aug. 1948, stating the problems connected with snow and ice in Canada, discussing the research being carried out, the work of an earlier period, and projects suggested for future research; with a bibliography (21 items).

Published also in International Geodetic and Geophysical Union. Association of Scientific Hydrology. Assemblée générale d'Oslo, 1948. Procès-verbaux. T. 2. Travaux de la Commission de la neige et des glaciers, pub. 1950? p. 128-37 (copy in DGS).

Copy seen: CaMAL.

9842. LEGOFF, LAURENT. Note sur la langue des Dénés. (International Congress of Americanists. 15th, Quebec, 1906. [Compte rendu] pub. Quebec, 1907. v. 2, p. 217-23)

Describes (briefly), with examples, some of the linguistic characteristics of the Athapaskan stock. Points out some word similarities between Athapaskan and Celtic. *Copy seen*: DLC.

9843. LEGREID, DOMINICUS ORBECK. Liv og virke på Bjørnøya værstasjon. Hesten som spiser kjøtt og fisk (Polar-årboken, 1938, p. 81-85) *Title tr.*: Life and work at the meteorological station on Bear Island. The horse that eats meat and fish.

Describes living conditions, and routine meteorological work at Tunheim, Bear Island, pilot balloon observations,

transmission of wind and weather reports to Trømsø. **Copy seen:** NN.

9844. LE GROS CLARK, W. E. On a series of ancient Eskimo skulls from Greenland (Royal Anthropological Institute of Great Britain and Ireland. Journal, 1920. v. 50, p. 281-98, illus.)

Contains quantitative and non-quantitative descriptions of sixteen skulls collected by J. Brierley from West Greenland, chiefly in the vicinity of Melville Bay. Describes the "type contour" of Eskimo skulls, compares it with the Chancelade (Magdalenian) skull, and concludes that "Chancelade Man" was not an Eskimo. Includes a table of detailed craniometric measurements for the sixteen skulls. **Copy seen:** DLC.

9845. LEHNERT, E., and A. W. GREELY. Mosses and lichens. (*In:* Greely, A. W. Three years of arctic service, 1886. v. 2, p. 392-98)

Annotated list of sixty-six mosses, one liverwort and seven lichens, from northern Ellesmere Island.

Copy seen: DLC; NNStef.

9846. LEHTISALO, T. Beiträge zur Kenntnis der Rentnierzucht bei den Juraksamojeden. Oslo, H. Aschehoug & Co., Cambridge, Mass., Harvard University Press; [etc., etc.] 1932. 8 p. l., [9]-180 p. (Institutet for sammenlignende kulturforskning. [Publikasjon] Ser. B: Skrifter, XVI) **Title tr.:** Contributions to a knowledge of reindeer breeding among the Yurak Samoyeds.

Contains a description of reindeer herding among the Yurak Samoyeds between the White Sea and the Yenisey River, based chiefly upon sojourn among the tundra Yuraks in 1911-12, and the forest Yuraks in 1914, and interviews with Yuraks in Finland in 1928. Includes glossary of terminology associated with reindeer and their breeding; description of wild reindeer and their hunting; detailed description and associated elements of sled and pack travel, food and other reindeer products, trade, and social, religious, and property institutions and customs; notes on dog transport and relations with neighbors; and a selected bibliography.

Maps: (1) small-scale location map of the Yurak area, showing rivers and principal Yurak settlements; (2) small-scale sketch map of Yamal Peninsula

showing location of various tribal groups. **Copy seen:** DSI.

LEIBENSON, L. S., *see* Kovner, S. S. K matematicheskoj teorii promerzaniia. 1936.

9847. LEIBER, FERDINAND. Im Eise des Lilliehöökletschers. (*In:* Miethe, A., and H. Hergesell. Mit Zeppelin nach Spitzbergen, 1911. p. 203-208, illus.) **Title tr.:** In the ice of Lilliehöök Glacier.

During the German Arctic Zeppelin Expedition, 1910, a party undertook a trigonometric measurement of the glacier's movement. The author here describes the appearance and calving of the glacier into Cross Bay.

Copy seen: DLC.

9848. LEIBSON, R. G. Kolichestvennyj uchët donnoj fauny Motovskogo zaliva. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khozjaistva i okeanografii. Trudy, 1939. T. 4, p. 127-98, maps, tables, diagrs.) **Title tr.:** Quantitative evaluation of the bottom fauna of the Motovskii Bay.

A study based on investigations of the research vessel *Persei*, 1931-32.

Contains geographic outline of the region "one of the most important fishery regions of the Murman coast"; discussion and data (based on samples from 92 stations) on biomass distribution; bottom population complex and separate forms.

Copy seen: DLC.

9849. LEIGH, R. W. Dental pathology of the Eskimo. (Dental cosmos, Sept. 1925. v. 67, p. 884-98, illus.)

Contains note on physical characteristics of the Eskimo in general, and a detailed analysis of dental characteristics of three hundred twenty-four modern Eskimo crania in the U. S. National Museum.

Copy seen: DLC; NNN.

9850. LEIGH, ROY E. Problems in Canadian winter operations. (World oil, Feb. 1, 1949. v. 128, no. 10, p. 192-93, illus.)

Discussion in general of drilling, transportation, protection of equipment, workers, and crude oil in cold weather.

Copy seen: DGS.

LEIGH SMITH, BENJAMIN, *see* SMITH, BENJAMIN LEIGH.

9851. LEIGHLY, JOHN. Cuspate surfaces of melting ice and firn. (Geo-

graphical review, Apr. 1948. v. 38, p. 300-306, illus.)

Contains discussion of the processes of melting of overhanging surfaces and the cellular convection of air at surfaces of melting ice, with reference to a question raised by R. P. Sharp in, *The Wolf Creek glaciers*, 1947., q.v.

Copy seen: DLC.

9852. LEIGHTON, DOROTHEA CROSS, 1908-. Walrus—many-purpose animal of the Arctic. (Nature magazine, Nov. 1942. v. 5, p. 477-79, illus.) Condensation of this article was published in *Alaska life*, Nov. 1942. v. 5, no. 11, p. 55-56, 58, 60-61.

Description of uses (by Eskimos) of the walrus, its range and diminishing members, based on observations on St. Lawrence Island, Bering Sea.

Copy seen: DLC.

9853. LEIGHTON, W. A. Notes on lichens collected by Sir John Richardson in arctic America (Linnean Society, London. Journal; botany, 1867. v. 9, p. 184-200, plate.)

Based chiefly on the collections made in 1826, from the Mackenzie River valley, Great Bear and Great Slave Lakes, and York Factory, northern Manitoba. A list, with localities and some notes on taxonomy, of one hundred fifty-nine forms of one hundred fifteen species of lichens.

Copy seen: DLC.

9854. LEINBERG, ARTHUR. Über die finnischen *Episernus*-Arten. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, pub. 1904. Häfte 30, p. 16-22) *Title tr.:* On Finnish species of *Episernus*.

Contains a revision of three species and three varieties (one species and two varieties new) of coleopterous genus *Episernus*, including Latin and German descriptions of *E. granulatus sulcatus* native to Kola Peninsula, and *E. angulicollis angulatus* from Finnish and Russian Lapland.

Copy seen: MH-A.

9855. LEIPER, R. T. Trichinosis in arctic animals. (Zoological Society of London. Proceedings, 1938. v. 108, ser. C, p. 13-14)

Note on infection of polar bears and arctic foxes of the Society's Zoological Gardens, supposed to have been contracted in the arctic region.

Copy seen: DSI-M.

9856. LEIST, E. E. Meteorologische skizzen usloviia poleta Andre. (Zemlevedenie, 1900. T. 7, vyp. 2-3, p. 132-37) *Title tr.:* Meteorological conditions of Andrée's flight.

Remarks on structure and capacity of balloons for projected north polar flights since 1847; Andrée's balloon, his ascent from Danish Island, 79°40' N. 10°52'E. on July 11, 1897; author's views on his objective, and his possible survival.

Copy seen: DGS.

LEITH, ARTHUR T., *see* Leith, C. K. & A. T. Leith. Summer & winter on Hudson Bay. 1912.

9857. LEITH, CHARLES KENNETH, 1875-. An Algonkian basin in Hudson Bay, a comparison with the Lake Superior basin. (Economic geology, Apr. 1910. v. 5, p. 227-46, illus. (map))

A study made in 1909, of the rock formations and their relationships, from Moose Bay to Richmond Gulf, including remarks on the iron formation of Nastapoka Islands.

Copy seen: DLC.

9858. LEITH, CHARLES KENNETH, 1875-, and A. T. KEITH. A summer and winter on Hudson Bay. Madison, Wis. [Cartwell Printing Co.] 1912. 1 p. l., [9]-203 p. front. (map) 36 plates.

Narrative of the authors' geological expedition, in the summer of 1909, when his four-man party canoed down Moose River to Moose Factory, sailed along the east coast of James and Hudson Bay to Richmond Gulf. From there two of the party returned shortly in the same way, and A. T. Leith and companion remaining till Christmas, returned by dog team and snowshoes early in 1910.

Contents: Pt. 1. Leith, C. K. A summer on Hudson Bay. (Account of the canoe trip, Moose Factory, the Eskimos, and their customs, and the sailing trip in Hudson Bay).

Pt. 2. Leith, A. T. A winter on Hudson Bay. (The author's journal, and extracts from records of the Hudson's Bay Co. post at Great Whale River, 1902, on the weather, and that on Little Whale River, 1876-77, on hunting, and on the Eskimos and their hunting and trapping activities).

Copy seen: DLC; NNSf.

LELAND STANFORD JUNIOR UNIVERSITY. SCHOOL OF EDUCATION, *see* Anderson, H. D., & W. C. Eells.

Alaska natives; survey sociological & educational status. 1935.

9859. **LELOUP, EUGÈNE.** Un nouveau solénogastre à peau nue de l'océan glacial arctique, *Micromenia simplex* g. nov., sp. nov. Bruxelles, 1948. 7 p. illus. (Brussels. Musée royale d'histoire naturelle de Belgique. Bulletin. T. 24, no. 19) **Title tr.:** A new naked solenogaster from the Arctic Ocean, *Micromenia simplex* g. nov., sp. nov.

Full anatomical description of a free-living species of mollusc taken at 48 meters' depth, near Hope Island, 76°30'N. 25°27'15"E., July 1898, by the Prince of Monaco, in the *Princess Alice*.

Copy seen: DSI-M.

9860. **LEMAIRE, EUGÈNE.** Les gisements aurifères du bassin de la Kolyma (Sibérie orientale). (Génie civil, août 1, 1948. T. 125, p. 291-92, sketch map) **Title tr.:** Gold deposits of the Kolyma River basin.

"Reviews the history of prospecting and exploitation of the rich gold deposits of the Kolyma River basin in eastern Siberia, which were discovered in 1910. The gold occurs abundantly in placer deposits, and in quartz veinlets containing pyrite and arsenopyrite in the country rock."—Geological Society of America. Bibliography and index of geology. **Copy seen:** DGS.

9861. **LEMBKEY, WALTER I.** The fur-seal fisheries of Alaska in 1909-1910. Washington, U. S. Govt. Print. Off., 1910-1911. 2 no. tables. (U. S. Fish and Wildlife Service. Report of the U. S. Commissioner of Fisheries, 1909-10. Special papers. Fisheries document no. 735, 749)

Contains statistics of the seal catch on the Pribilof Islands, maintenance of quota, population status and census of seal herd; discussion of pelagic sealing and its effect on land catch; foxes on the Pribilof Islands; and a census, schools, etc., of the natives. Subsequent reports for the years from 1911 to date were published as: U. S. Fish and Wildlife Service, *Alaska fishery and fur-seal industries*, q.v.

File seen: DF.

9862. **LEMICHE, HENNING MOURIER, 1904-** Northern and arctic tectibranch gastropods. I. The larval shells. II. A revision of the cephalaspid species. København, E. Munksgaard,

1948. 136 p. diagsr. (Danske videnskabelnes selskab. Biologiske skrifter. Bd. 5, nr. 3)

A detailed morphologic and taxonomic study, with a key to the classification, list of synonymy and references, and bibliography of a sub-order of the Opisthobranchiata, marine snails, including in part I, some species from the waters off East and West Greenland.

Copy seen: DF.

9863. **LEMICHE, HENNING MOURIER, 1904-** The zoology of East Greenland. Gastropoda Opisthobranchiata. København, C. A. Reitzel, 1941. 49, [1] p. illus. (5 maps, diagr.) (Meddelelser om Grønland. Bd. 121, nr. 7)

Based on published records, this constitutes a revision of earlier works, recent materials from Scoresby Sound and Franz Joseph Fiord with hydrographic records being so complete, that elucidation of some ecological problems is now possible. Author gives a systematic synopsis, with synonyms, East Greenland records and occurrence, distribution and remarks, of sixteen (including with description one new) species; discussion of life zones, and a bibliography (21 items).

Copy seen: DSI-M; DGS.

LEMER, JEAN BAPTISTE JULIEN, see Bellot, J. R. Journal d'un voyage 1851-52. 1854.

LEMER, JEAN BAPTISTE JULIEN, see Bellot, J. R. Memoirs of Lt. J. R. Bellot. 1855.

9864. **LE-MÛR, V.** Snabzhenie severa (akutii i Chukotki. (Sovetskaja Arktika, 1935, no. 2, p. 40-44) **Title tr.:** The supply of northern Yakutia and Chukotka.

Discussion of the problem of selection and transportation of goods, and organization of trade in these regions.

Copy seen: DLC.

9865. **LEMMLEIN, G. G.** Kristallograficheskoe issledovanie kvartsa s gory Sura-iz. (Akademiia nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. Trudy, 1937. Seriya ural'skaja, vyp. 6: Pripolarnyi Ural, p. 87-94, illus.) **Title tr.:** Crystallographic investigation of quartz from Sura-iz Mountain.

A crystallographic description of samples taken by A. N. Aleshkov, 1933,

in the northern Urals about 65°10'N. 66°20'E. Summary in English.

Copy seen: DLC.

9866. LEMOINE, GEORGE JOSEPH GUYON, 1860-. Dictionnaire français-montagnais, avec un vocabulaire montagnais-anglais, une courte liste de noms géographiques et une grammaire montagnaise. Boston, W. B. Cabot & P. Cabot, 1901. *Title tr.*: French-Montagnais dictionary, with a Montagnais-English vocabulary, a short list of geographic names and a Montagnais grammar. *Copy seen:* DLC; NNStef.

9867. LEMOINE, Mme. PAUL. Mélobesiées. (Calcareous Algae). (Canadian Arctic Expedition, 1913-1918. Report, 1927. v. 4: Botany, Pt. B, p. 17)

Three species from Dolphin and Union Strait with discussion of arctic distribution. *Copy seen:* DSI-M.

LEMON, P. M. H., *see* Chapman, F. S., & others. Northern lights. 1932.

LEMON, P. M. H., *see* Chapman, F. S., & others. Northern lights. 1933.

LE MONNIER, FRANZ, RITTER von, *see* Chavanne, J., & others. Literatur über d. Polar-Regionen. 1878.

9868. LEMONS, HOYT, 1914-. Hail in high and low latitudes. (American Meteorological Society. Bulletin, Feb. 1942. v. 23, p. 61-68)

Includes (p. 66-68) notes on hail in Alaska, based on irregular records of the U. S. Weather Bureau and on correspondence with weather observers, showing that hail in Alaska is probably not true hail but snow pellets (graupel) and showing a low incidence of hailfall in Kodiak, Nome, Tanana, Fairbanks and southeastern Alaska; with meteorological discussion of its occurrence. *Copy seen:* DLC.

LEMONS, HOYT, 1914-, *see also* Lee, D. H. K., & H. Lemons. Clothing for global man. 1949.

9869. LEMSTRÖM, SELIM, 1838-1904. Magnetiska observationer under Svenska polar-expeditionen år 1868. Stockholm, P. A. Norstedt & söner, 1870. 47 p. (Svenska vetenskapsakademien. Handlingar. Bd. 8, no. 8)

Observations for Sydhamnen, Bear Island; Green Harbor, Advent Bay, King's Bay and Lomme Bay, West

Spitsbergen; Kobbe Bay, Danish Island; Amsterdam Island; and on Nordkapp (i.e. Chermiside) Island.

Copy seen: DLC.

9870. LEMSTRÖM, SELIM, 1838-1904. Observations upon the electricity of the atmosphere and the aurora borealis made during the Swedish Expedition of 1868 to the North Pole. (Smithsonian Institution. Annual report, 1874, pub. 1875. p. 227-38)

The author's discussion of his experiments while with A. E. Norden-skiöld's expedition of 1868 in the West Spitsbergen region; with remarks thereon, by A. A. DeLaRive.

Copy seen: DLC.

9871. LEMSTRÖM, SELIM, 1838-1904, and ERNEST BIESE. Observations faites aux stations de Sodankylä et de Kuitala. Publiées aux frais du gouvernement finlandais sous les auspices de la Société des Sciences de Finlande. Helsingfors, Impr. des héritiers de Simelius, 1886-98. 3 v. in 1. front. (v. 2) illus., 2 maps, tables, 5 col. plates on 3 l., diagrs. (part fold.) *Title tr.*: Observations made at the stations at Sodankylä and Kuitala.

Results of the Finnish Expedition (in connection with the First International Polar Year program) to establish a polar station at Sodankylä (67° 26'N. 26°34'E.), and an auxiliary station at Kuitala (68°30'N. 26°46'E.) in northern Finland.

Contents: v. 1, *Meteorology.* The organization, program and instrumentation of the expedition are briefly reviewed. The following results are tabulated: hourly and three-times daily registering of the meteorological elements, three-times daily measurements of soil temperatures, and daily river water temperatures at Sodankylä at various times during the period Sept. 1882-Aug. 1884; and three-times daily meteorological observations at Kuitala (68°30'N. 26°46'E.) Jan. 15-Mar. 17, 1884.

v. 2, *Terrestrial magnetism.* The absolute determination of the magnetic elements, the instrumentation and procedures in making and reducing the measurements on the magnetic elements precede the tabular results of: hourly values of declination, the horizontal and vertical components and readings made every five minutes on bi-weekly

term dates during the period Aug. 1882-Sept. 1883; reading of the three elements three-times daily and 5-minute readings on term dates, Sept. 1883-Aug. 1884, and 30-seconds readings on weekly term dates, Nov. 15, 1883-Aug. 22, 1884. All measurements at Sodankylä.

v. 3. *Atmospheric electricity, Telluric currents, etc.* Hourly values of atmospheric electricity (volts) Nov. 1, 1882-Aug. 31, 1883, and three-times daily, Sept. 1, 1883-Aug. 22, 1884, with bi-weekly term dates having readings at intervals from 5 to 30 minutes at Sodankylä; three-times daily readings with term date readings every 5 to 30 minutes at Kultala during the period Jan. 15-Mar. 17, 1884. Hourly readings of the telluric currents (north-south and east-west) Sept. 1882-Aug. 1883, and three-times daily readings Sept. 1, 1883-Aug. 28, 1884, with bi-weekly term date readings every 5 minutes and weekly term dates having minute readings, Nov. 1, 1883-Aug. 22, 1884, at Sodankylä, and three-times daily at Kultala, Feb. 9-Mar. 17, 1884, with term dates.

The E.M.F. measurements of atmospheric electricity made daily at 0500, 1300 and 2100 hours at Sodankylä with five-minute and minute measurements on bi-monthly and weekly term dates respectively during the period Nov. 8, 1883-Aug. 26, 1884, and similar measurements at Kultala during the period Jan. 15-Mar. 17, 1884.

Copied seen: DLC.

9872. LENARTOVICH, E. S. K voprosu ob okraske severnykh olenei. (Sovetskoe olenevodstvo, 1936. Vyp. 8, p. 61-68) *Title tr.:* On the colour of reindeer. Summary in English.

Copied seen: CaOA; DF.

9873. LENARTOVICH, E. S. Ob olenegonnom sobakovodstve. (Sovetskoe olenevodstvo, 1936. Vyp. 7, p. 52-56) *Title tr.:* Shepherd-dogs in reindeer herds.

A discussion on the reindeer shepherd dog, its training, its work with the herd and its breeding and feeding.

Copied seen: DF; DLC.

9874. LENG, CHARLES WILLIAM, 1859-1941. Family Coccinellidae, Elateridae, Chrysomelidae, Rhyncophora (except Iridae). (Canadian Arctic Ex-

pedition, 1913-1918. Report, 1919. v. 3: Insects, Pt. E. p. 17-21)

List, with some descriptions and locations, of thirteen species of beetles from Alaska and Northwest Territories.

Copied seen: DSI-M.

9875. LENGERSDORF, FR. Eine neue *Sciara*-Art aus Norwegens, *Neosciara refrigerata* nov. sp. (Tromsø, Norway. Museum. Aarshefter, 1927, pub. 1930. Bd. 50, no. 3, p. 1-4) *Title tr.:* A new species of *Sciara* from Norway.

Contains a German description of *Neosciara refrigerata* n. sp., a new dipter from Ramfjord region, northern Norway.

Copied seen: MH-Z.

9876. LENGERSDORF, FR. Die *Sciaren* des Tromsø Museum. (Tromsø, Norway. Museum. Aarshefter, 1925, pub. 1926. Bd. 48, no. 4, p. 1-9, illus.) *Title tr.:* The species of *Sciara* in Tromsø Museum.

Contains a list of thirty species (three new) of dipterous genus *Sciara* and four species of other genera (one new); includes *Bradysia brachypennis* n. sp. and a few others native to Tromsø province, northern Norway.

Copied seen: MH-Z.

9877. LENINGRAD. EKONOMICHE-SKOE SOVESHCHANIE. KOLONIZATSIONNAIA KOMISSIJA. Proizvoditel'nye sily Severo-zapadnoi oblasti: rybopromyshlennost' na Murmane. T. 1. Petrozavodsk, 1927. 335 p. tables. *Title tr.:* Productive forces of the northwestern region. The fishing industry in Murman.

Edited by P. L. Pakhomov, and V. A. Trestviatskii.

Results of a statistical economic investigation of the fishing industry of Kola Peninsula, carried out in summer 1925. Contains a description of the coasts of Kola Peninsula, the tides and currents, climate, fishes, animal life and vegetation, p. 5-19. Statistics of population, survey and statistical data on the fishing industry and agriculture, social grouping of fishermen, their economic conditions; analysis of the influence of the railroad on fishing industry, p. 20-285.

Survey of the activities and of influence of big economic organizations, especially of Sevgosrybrest (Severnii gosudarstvennyi rybopromyshlennii trest, the Northern State Trust for the

Fishing Industry) and Zhelryba (Up-ravlenie rybnymi i zverinymi promyslami Murmanskoi zheleznoi dorogi, the Administration of Fishing and Hunting Industry of the Murmansk railroad), p. 286-335. *Copy seen:* DLC.

LENINGRAD. GLAVNAIA FIZICHESKAIA OBSERVATORIIA, see LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA.

9878. **LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA.** Klimatologicheskii atlas Rossiiskoi Imperii, izdannii v pamiat' piatidesiatilietnei eia diatatel'nosti 1849-1899. S.-Peterburg, Kartograficheskoe zavedenie A. Il'ina. 1900. 4 l. 89 double-face maps, 15 diags. *Title tr.:* Climatological atlas of the Russian Empire, published in honor of its fiftieth anniversary, 1849-1899. Introductory matter in Russian; captions, notes, etc., on the charts in Russian and French.

Charts of monthly and seasonal distribution and frequency of climatic phenomena, based on observational materials for the period 1849-99; trajectories of pressure centers and typical synoptic situations over European Russia for selected periods within these years; and graphs of the annual course of climatic elements for representative stations. *Copy seen:* DLC.

9879. **LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA.** Lietopisi, 1835/36-[1928]. S.-Peterburg, Tip. Imp. Akademii nauk, 1837-[1934]. *Title tr.:* Annals of the Geophysical Observatory, Leningrad. Text in Russian, German or French.

Issued for the years 1835-36 as: Observations météorologiques et magnétiques, faites dans l'Empire de Russie; for 1837-46 as: Annuaire magnétique et météorologique du Corps des ingénieurs des mines de Russie; for 1847-69 and 1895-97 as: Annales de l'Observatoire physique central de Russie; for 1870-94 as: Annalen des Physikalischen Central-Observatoriums; for 1898-1908 as: Annales de l'Observatoire physique central Nicolas; for 1910-24 as: Lietopisi Glavnoi fizicheskoi observatorii.

Contains the results of routine meteorological observations three-times daily at first and second order stations in the Russian Empire, including stations north of, or near, the Arctic Cir-

cle, tabulated as follows: Kazach', 1902; Kola, 1878-1881, 1883-1884, 1899-1908; Malye Karmakuly, 1896-1900, 1902, 1908; Obdorsk, 1882-1884, 1887-1891, 1895-1904, 1906-1908; Sredne Kolymsk, 1901-1902; Teriberka, 1893-1898; Verkhoyansk, 1887-1888, 1900-1905. These annals after 1908 contain only monthly resumé of routine observations.

File seen: DLC (1835-1908 [1910-11, 1914-15] 1916-17, 1926-28); DWB (1835-1908, 1910-13, 1915, 1928).

9880. **LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA.** Rezul'taty nabludenii nad sharami pilotami za 1925 g. Leningrad, 1927. iv, 17 p., tables. *Title tr.:* Results of observations from pilot balloons, 1925.

Contains data on daily wind directions and velocities aloft, by standard levels up to ten kilometers, as determined by pilot balloons at Archangel and eleven other stations in the U.S.S.R. during 1925.

Copy seen: DLC.

LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA, see also Geints, E. A. Ukazatel' statei no meteor. i zemnomu magnet. 1901.

9881. **LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. POLIARNAIA STANTSIIA BOL'SHOI LIKHOVSKII.** Meteorologicheskie nabludeniiia poliarnoi stantsii na O. Bol'shoi Liakhovskii. Zimovki: 1928-1929, 1929-1930, 1930-1931. Leningrad-Moskva, Redaktsionno-izdatel'skii otdel TSUEGMS, 1936. 109 p., tables. Edited by V. N. Kedrolivanskii. *Title tr.:* Meteorological observations of the polar station at Bol'shoi Liakhovskii Island. Winterings of 1928-1929, 1929-1930, 1930-1931.

Routine meteorological observations taken daily at 07, 13 and 21 hours at Bol'shoi Liakhovskii Island (Bol'shoi Island 73°35'N. 142°E.), Nov. 1, 1928-July 30, 1931; and hourly registrations of pressure and temperature for the same period. *Copy seen:* DLC.

9882. **LENINGRAD. GLAVNYI BOTANICHESKII SAD.** Ekspeditsionno-botanicheskie polevyie raboty botanikov Glavnogo botanicheskago sada letom 1925 g. (Otchet Uchenogo sekretaria sada). (Leningrad. Glavnyi botanicheskii sad. Izvestiia, 1925, T. 24, p.

183-92) *Title tr.*: Expeditions and field botanical works of the botanists of the Principal Botanical Garden in the summer of 1925. (Report of the learned secretary of the Garden).

Contains a report on the activity of the botanists, including the itinerary of the research party of the Colonisation Dept. of the Murmansk Railway to Kola and Karelia provinces (Iu. D. Tsinzerling, botanist), with data on botanical collections made. Summary in German. *Copy seen:* MH-A.

9883. Leningrad. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Atlas maksimal'nykh snegozapasov Evropeiskoi chasti SSSR za period 1892-1944 gg. Leningrad-Moskva, Gidrometeorologicheskoe izd-vo, 1946. 198 p., maps. *Title tr.*: Atlas of the maximum snow storage for European Russia for the period 1892-1944.

The atlas contains the following maps (scale 1:10,000,000) including data on Kola Peninsula and Archangel Province: the normal and the annual maximum value of the mean decadal (ten-day period) depth of the snow cover for the period 1892-1944; the water content of the annual maximum decadal snow cover and the modulus coefficient of this value during the period 1904-1944; normal and annual maps for the dates of the occurrence of the maximum snow depth, from 1892 to 1944. Procedures in processing and mapping the data are given.

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9884. Leningrad. LENINGRADSKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT FIZICHESKOI KULTURY. Lyzhnyi sport; voprosy nauchnogo izucheniia lyzhnogo sporta. Moskva, Gosizdat "Fizkul'tura i sport," 1948. 187 p., illus., tables (incl. fold.), diagrs. *Title tr.*: Ski sport; questions for scientific study in the sport of skiing.

A collection of articles dealing with various aspects of skiing from the scientific point of view, published on the occasion of the fiftieth anniversary of skiing in Russia. Articles on comparative analysis of various styles of skiing from the viewpoint of biomechanics, p. 12-34; exchange of gases during the ascent of a mountain on skis, p. 35-37; methods of surmounting up-slopes in ski contests in the U.S.S.R.

p. 58-65; velocity of movement, tempo and length of step of contestants in ski contests in the U.S.S.R. p. 66-77; snow cover, its formation, changes, and classification, p. 78-93; sliding of skis on snow, p. 94-101; muscular reaction to motion, p. 102-110; interaction of afferent nervous systems during the descent of mountains on skis, p. 111-22; ability of women for skiing, p. 123-27; use of vitamins B and C during training of skiers, p. 128-39; rise of interest in the sport of skiing, 140-46; and traumatism in skiing and means of its prevention, p. 147-87. Bibliographies at end of articles.

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Leningrad. Nauchno-issledovatel'skii institut po izucheniiu severa (1926-1931) superseded Severnaia nauchno-promyslovaia ekspeditiia, 1920-1926; in 1931 was itself superseded by Vsesoiuznyi arkticheskii institut, q.v.

9885. Leningrad. NAUCHNO-ISSEDOVATEL'SKII INSTITUT PO IZUCHENIIU SEVERA; Ekspeditiia v Cheshskuu gubu 1925-1926, pod nachal'stvom E. K. Suvorova. Moskva, Izdanie nauchno-tekhnicheskogo upravleniia V.S.N.Kh., 1927-29. 2 v. (v. 1: 87 p.; v. 2: 132 p.) illus., maps, tables (part fold.), diagrs. (*Its:* Trudy. Vyp. 34 and 43) *Title tr.*: The Cheshskaya Bay Expedition of 1925-1926 under E. K. Suvorov.

Results of the expedition under the leadership of E. K. Suvorov (organized as a subdivision of the Northern Scientific and Economic Expedition, 1920-1926) for the purpose of exploring the Cheshskaya Bay region, Archangel Province, 1925-1926.

Contents tr.: Pt. 1 SUVOROV, E. K. The Cheshskaya Bay Expedition of 1925.

SMESOV, A. N. Topographical surveys of the Cheshskaya Bay Expedition.

RABINERSON, A. I. The systematic position and rate of growth of the Cheshskaya Bay herring.

PETROV, V. V. The smelt from Cheshskaya Bay.

Pt. 2. SUVOROV, E. K. The Cheshskaya Bay Expedition in 1926.

ERMOLAEV, M. M. Geological investigations in the region of Timan.

SUVOROV, E. K. An expedition to

Cheshskaya Bay in the year 1926 and its hydrographical results.

GUR'ANOVA, Ev. Contribution to the question of the distribution of benthos in Cheshskaya Bay.

SUVOROV, E. K. Contribution to ichthyofauna of Cheshskaya Bay.

Each paper appears in this Bibliography under its author's name.

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9886. Leningrad. NAUCHNO-IS-SLEDOVATEL'SKII INSTITUT PO IZUCHENIU SEVERA. Karta Khibinskikh tundr. (*Its:* Trudy, 1923. Vyp. 16, p. 81-83, fold. map) *Title tr.:* Map of Khibina Tundra.

List of eighty-seven mineral ore deposits discovered in 1920-22, by the Northern Scientific and Economic Expedition 1920-1926, with a topographic map of the region (scale 1:300,000, contour interval 200 meters) indicating location of deposits, and routes of the field party.

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9887. Leningrad. NAUCHNO-IS-SLEDOVATEL'SKII INSTITUT PO IZUCHENIU SEVERA. Literatura po geologii, petrografii i mineralogii Khibinskikh i Lovozerskikh tundr. (*Its:* Trudy, 1923. Vyp. 16, p. 75) *Title tr.:* The literature on the geology, petrography and mineralogy of Khibina and Lovozersk Tundras. List of twelve basic papers.

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9888. Leningrad. NAUCHNO-IS-SLEDOVATEL'SKII INSTITUT PO IZUCHENIU SEVERA. Novye mineraly i redkie mineral'nye vidy Khibinskikh i Lovozerskikh tundr. (*Its:* Trudy, 1923. Vyp. 16, p. 68-69) *Title tr.:* New minerals and rare mineral species in Khibina and Lovozersk Tundras.

Brief description of eight minerals with chemical formulas for five of them.

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9889. Leningrad. NAUCHNO-IS-SLEDOVATEL'SKII INSTITUT PO IZUCHENIU SEVERA. Svodka analizov mineralov Khibinskikh tundr. (*Its:* Trudy, 1923. Vyp. 16, p. 70-73) *Title tr.:* A summary of analyses of minerals from Khibina Tundra.

Chemical analyses for nineteen minerals taken from the region, with brief remarks giving the names of the analysts, the locations of the minerals and some descriptions of the samples.

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LENINGRAD. NAUCHNO-IS-SLEDOVATEL'SKII INSTITUT PO IZUCHENIU SEVERA, *see also* Samoilovich, R. L. Explorations in Novaya Zemlya & Barents Sea. 1928.

LENINGRAD. TSENTRAL'NYI NAUCHNO - IS-SLEDOVATEL'SKII GEOLOGO-RAZVEDOCHNYI INSTITUT, *see* Polkanov, A. A. Kontury geologicheskoi problemy. 1935.

LENINGRAD. VSESOIUZNYI ARKTICHESKII INSTITUT, established 1931, was preceded by Severnaia nauchno-promyslovaia ekspeditsiia, 1920-26; and Nauchno-issledovatel'skii institut po izucheniu severa, 1926-31.

9890. Leningrad. VSESOIUZNYI ARKTICHESKII INSTITUT. Aerologicheskie nabludeniia poliarnykh stantsii za zimovku 1933-34 goda. Leningrad, 1934. 111, [1] p. tables, (*Its:* Trudy, 1936. T. 69) *Title tr.:* Aerological observations of polar stations during the winter of 1933.

Contains introductory matter on the stations, methods, etc. Results (p. 14-81) of individual pilot balloon ascents at Tikhaya Bay, Cape Zhelaniya, Matochkin Shar, Yugorskiy Shar, Dikson Island, Cape Chelyuskin, Tiksi Bay and Uelen. Results (p. 84-100) of individual radiosonde, meteorograph and kite soundings at Tikhaya Bay, Dikson Island, Tiksi Bay, Uelen. Also (p. 102-111) synoptic meteorological conditions at earth's surface during ascents at the four latter stations.

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9891. Leningrad. VSESOIUZNYI ARKTICHESKII INSTITUT. Aktinometricheskie nabludeniia poliarnykh stantsii glavnogo upravleniia Severnogo morskogo puti 1935/36 god. Vyp. 2. Leningrad, 1939. 133, [1] p., illus. diags. (*Its:* Trudy. T. 117) *Title tr.:* Actinometric observations on the polar stations of the Chief Administration of the Northern Sea Route 1935/36. Part 2.

Contains discussion and tables (p. 14-74) of measurements of intensities of solar radiation at Tiksi Bay (Lena River delta) 1935-36; (p. 75-126) of duration and intensities of solar radiation at Cape Schmidt, Chukotsk Peninsula, Aug. 1935-July 1936; (p. 127-34) of intensities of solar radiation at Matochkin Shar, Novaya Zemlya, Sept. 1931-Aug. 1932. *Copy seen:* DLC.

9892. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Aktinometricheskie nabludeniya v Bukhte Tikhoi (Zemlia Frantsa Iosifa) i na ostrove Uedineniya, 1933/34-1934/35. Vyp. 1 Leningrad, Izd-vo Glavnogo upravleniya Severnogo morskogo puti, 1937. 199, [2] p. illus., tables, diagrs. (Its: Trudy, 1937, T. 80) **Title tr.:** Actinometrical observations at Calm Bay (Franz-Josef Land) and Lonely Island, 1933/34-1934/35. Part I.

Measurements of total radiation, intensity, and albedo of snow cover and soil, at Tikhaya Bay (Franz Josef Land) and Udiniya Island in Kara Sea (77°28'N. 82°28'E.) with introductory topographical sketches. Includes explanation of the tables in English.

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9893. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Instrukttsiya dlia polevykh rabot po biologii tulenei Sostavil prof. N. Smirnov. Leningrad, 1934. 58 p. illus., fold. form. (Its: Instrukttsii i programmy po izucheniiu promyslovoi fauny i promyslov. No. 4) **Title tr.:** Instructions for fieldwork on biology of seals. Prepared by Prof. N. Smirnov.

Information on hunting methods, directions for preliminary studies of seals taken, standard body measurements to be noted, the analysis of quality of seals taken for commercial purposes, etc.

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9894. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Instrukttsiya dlia sbora materialov po biologii, promyslu sistematike belogo medvedia (*Thalassarcos maritimus*, Phipps). Sostavila K. E. Vorob'eva. Leningrad, 1932. 14 p. (Its: Instrukttsii i programmy po izucheniiu promyslovoi fauny i promyslov. No. 1) **Title tr.:** Instruction for the collection of materials on biology, hunting and classification of the polar bear. (*Thalassarcos maritimus*, Phipps) Prepared by K. E. Vorob'eva.

Directions for the hunter, in making notations and measurements of bear carcass, also suggestions of the skinning, field preparation of the skeleton, and the shipment of specimens.

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9895. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Instrukttsiya dlia sbora materialov po izuche-

niu pestsha i pestshovogo promysla (*Alopes lagopus* L.). Sostavila K. E. Vorob'eva. Leningrad, 1932. 12 p. (Its: Instrukttsii i programmy po izucheniiu promyslovoi fauny i promyslov. No. 2) **Title tr.:** Instruction for the collecting of materials on study and hunting of the arctic fox. (*Alopes lagopus* L.). Prepared by K. E. Vorob'eva.

Directions for making observations on the arctic fox and its biological habits, taking standard body measurements, suggestions for collecting data on hunting methods and equipment, and the preparation of specimens for collections.

Copy seen: DLC.

9896. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Klimatologicheskii spravochnik po zarubezhnoi Arktike. Leningrad, 1941. 83 p. (Its: Trudy, T. 177) **Title tr.:** Climatological book of reference on the foreign Arctic.

Contains climatological data for Bear Island, West Spitsbergen (the Isfjord radio station), Norway (Vardö, Röst, Gjesvaer and Andenes), Greenland (thirteen stations), Canadian Arctic (twelve stations) and Alaska (eleven stations).

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Leningrad. Vsesoiuznyi Arkhticheskii Institut. Materialy po geologii i petrografii Khibinskikh tundr. Materialy on the geology and petrography of the Khibina Tundras, 1935, see VLODAVEFS, V. I. Pinuaivchorr-fukspor-Rasvumchorr, and LUPANOVA, N. P. Poachvumchorr i priligaushchie k nemu s zapada vysoty.

9897. Leningrad. Vsesoiuznyi Arkhticheskii Institut. Materialy po gidrologii reki Anabar. (Its: Trudy, 1937. T. 106, p. 11-53, illus., fold. map, tables (incl. 1 fold.), diagrs.) **Title tr.:** Materials on the hydrology of the River Anabar. Hydrology of the rivers of the Soviet Arctic, pt. 3.

Results of the Anabar River Hydrological Expedition, 1935-36, led by A. M. Rubin. Contains a necrology of Rubin, brief note on the expedition, description of the relief and geographic features of the region, discussion with tabular and graphic data, of the climate, meteorology (including note on permafrost), hydrologic régime (levels, run off, ice, temperatures, etc.) and hydrochemistry of the river water, with a bibliography (21 items). Summary in English.

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9898. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Materialy po klimatologii pol'arnykh oblastei SSSR. Vyp. 3: Klimat ostrova Vagacha i Ūgorskogo Shara. Leningrad, 1937. 146 p. tables, diagrs. (*Its*: Trudy. T. 73) *Title tr.*: Materials for the climatology of the polar regions of the USSR. Part 3: The climate of Vaygach Island and Yugor Strait.

Survey of climatological conditions based on nineteen years' observations (prior to 1936) at the meteorological station on Vaygach Island and twenty-two years' observations (prior to 1935) at Yugorskiy Shar station; with photographs and topographical sketch of the stations' location. Summary in English, p. 92-93. *Copied seen: DLC.*

9899. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Meteorologicheskie i gidrologicheskie nablūdeniā, proizvedennye na m/s "Belukha" v 1930 godu. (Leningrad, VsesoŪznyĭ arkticheskii institut. Trudy, 1933. T. 1, p. 151-73, tables) *Title tr.*: Meteorological and hydrological observations made on motor-ship *Belukha* in 1930.

Journal record of four-times daily, routine observations, Aug. 27-Oct. 27, of air temperature, humidity, and wind direction and force, cloudiness, cloud types, visibility, surface-water temperature, waves, and state of the ice, in various parts of southern and eastern Kara Sea. *Copied seen: DLC.*

9900. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Meteorologicheskie nablūdeniā pol'arnykh stantsii. Zimovka 1933-34 goda; ezheдневnye nablūdeniā i godovye vyvody. Leningrad, 1938. 361 [1] p. incl. tables. (*Its*: Trudy. T. 85) *Title tr.*: Meteorological observations of the polar stations. The wintering 1933-34; everyday observations and annual results.

Tables of routine daily meteorological observations at 07, 13, and 21 hours, Sept. 1933-Aug. 1934 from the stations at Tikhaya Bay, Yugorskiy Shar, Cape Zhelaniya, Belyy Island, Dikson Island, Domashniy Island, Cape Chel'yuskin, Tiksi Bay, Lyakhov Islands, Chetyrekhshtolbovoy, Cape Shmidt, Wrangel Island and Cape Uelen, with monthly and yearly summary of observations, and a résumé of observations at Matochkin Shar, Vaygach Island, Russkaya Gavan, Mare Sale, and Kom-somolskaya Pravda Islands.

The introductory matter includes a list of these stations with their locations, the names of the observers and some information on working conditions. *Copied seen: DLC.*

9901. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Nauchnye raboty stantsii v bukhte Tikhoi na Zemle Frantsia-Iosifa. Meteorologicheskie nablūdeniā 1929-1930. Leningrad, 1934. 70, [1] p., illus., diagr. (*Its*: Trudy. T. 5) *Title tr.*: Scientific work of the station at Tikhaya Bay on Franz Josef Land. Meteorological observations, 1929-1930.

Contains description of the station established in 1929 on Hooker Island at 80°20'N. 52°48'E., tables of routine meteorological observations at 07, 13 and 21 hours and intermittent pilot balloon observations from Sept. 1, 1929 to July 31, 1930. Includes hourly values of pressure, temperature and humidity for same period. *Copied seen: DLC.*

9902. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Novāā Zemlā; bibliograficheskii ukazatel'. Leningrad, Izd-vo Glavnogo upravleniā Severnogo morskogo puti, 1935. 1 p. l., 240 p. *Title tr.*: A bibliography of Novaya Zemlya.

A (briefly) annotated bibliography of two thousand six hundred forty-five items prepared for the Arctic Institute of U.S.S.R. under the supervision of several scientists, and arranged by subjects: (1) bibliography, p. 6-9; (2) history of the exploration of Novaya Zemlya, p. 9-27; (3) expeditions to Novaya Zemlya, p. 27-85; (4) general description of Novaya Zemlya, p. 85-98; (5) astronomy and geodesy, p. 98-102; (6) cartography, p. 102-114; (7) views (i.e. pictures) of Novaya Zemlya, p. 114; (8) hydrography, p. 115-17; (9) geology and paleontology, p. 117-32; (10) meteorology, p. 132-67; auroras, p. 167-68; (11) terrestrial magnetism, p. 168-73; (12) gravity, p. 173-74; (13) hydrology, p. 174-77; (14) botany, p. 177-88; (15) zoology, p. 188-208; (16) hunting, marine animals, and fisheries, p. 208-233; (17) population of Novaya Zemlya, p. 223-38; (18) means of communication, p. 238-40. No indexes are included. *Copied seen: DLC.*

9903. LENINGRAD. VSESOŪZNYI ARKTICHESKII INSTITUT. Ob'ā-

snitel'naia zapiska k geologicheskoi karte severnoi chasti SSSR. (Masshtab 1:2500.000). Pod obshchei redaktsiei prof. M. M. Ermolaeva i prof. A. A. Petrenko. Vvedenie. (*Its*: Trudy, 1937. T. 87, chast' I, p. 1-26) *Title tr.*: Explanatory note to the geological map of the northern part of U.S.S.R. Scale 1:2,500,000, edited by Prof. M. M. Ermolaev and Prof. A. A. Petrenko. Preface.

Notes on the geographic and geologic source materials of the map, the legends used, and on the papers which follow the preface. *Copy seen*: DLC.

9904. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Pam'ati A. M. Rubina. (*Its*: Trudy, 1937. T. 106, p. 5-7, port.) *Title tr.*: In memory of A. M. Rubina.

An obituary in honor of the leader of the Anabar River Hydrological Expedition, 1935-36. *Copy seen*: DLC.

9905. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Petrografiia izverzhennykh porod basseina reki Anadyr'. (*Its*: Trudy, 1937. T. 94, p. 87-153, 4 plates, fold. diagr.) *Title tr.*: The petrography of the igneous rocks of the basin of Anadyr River.

A study of material collected by B. N. Eliseev, 1933-34, during the Anadyr-Chukotsk Expedition of the Arctic Institute, U.S.S.R. Results in detail, of microscopical and chemical analyses of samples, with discussion of the volcanic activity throughout geologic times in the whole Anadyr region. Bibliography (37 items). Summary in English.

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9906. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Programma obsledovaniia ezhdovogo sobakovodstva. Sostavil I. I. Sokolov. Leningrad, 1933. 14 p. illus. (*Its*: Instruktsii i programmy po izucheniiu promyslovoi fauny i promyslov. No. 3) *Title tr.*: Program of the study of work-dogs breeding. Prepared by I. I. Sokolov.

Questions (about 200) prepared as a basis for field investigations on the state of dogs and dog-breeding in the Soviet North. *Copy seen*: DLC.

9907. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Rezul'taty magnitnykh nabludenii poliarnykh magnitnykh observatorii Matochkin Shar, Zemlya Frantsa Iosifa i Dikson,

za 1933 god. (*Its*: Trudy, 1937. T. 78, p. 21-63, tables) *Title tr.*: Results of magnetic observations at the polar magnetic observatories at Matochkin Shar, Franz Josef Land and Dikson in the year 1933.

Results of observations at the polar stations at Matochkin Shar on Novaya Zemlya, at Tikhaya (Calm) Bay on Franz Josef Land, and on Dikson Island off the Krasnoyarsk coast (78°30'N. 80°20'E.). *Copy seen*: DSI-M.

9908. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Rezul'taty nauchnykh rabot ekspedit'sii na Ledokol'nom parokhode "Rusanov" v 1932 godu. Leningrad, 1936. 87 [1] p., illus. (map), tables, diagrs. (*Its*: Trudy. T. 42, vyp. 1) *Title tr.*: Scientific results of the expedition on the ice-breaking steamer *Rusanov*, 1932. Part 1: Hydrological and meteorological observations.

Observations taken every four hours on board the *Rusanov* in Barents Sea, Aug. 2-4, Sept. 14-23; Kara Sea, Aug. 4-19, Sept. 8-14; and Laptev Sea (mainly in the eastern section near Cape Chelyuskin), Aug. 20-Sept. 8, 1932. Summary in English.

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9909. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Spisok izdaniĭ Arkkticheskogo nauchno-issledovatel'skogo instituta 1920-1939 gg. (Problemy Arktiki, 1940, no. 3, p. 157-84) *Title tr.*: List of publications of the Arctic Research Institute, 1920-1939.

Basic bibliography. Lists of 289 papers published in the eight periodicals issued by Arctic Institute, U.S.S.R., 1920-39, arranged by volume or issue number of the periodical, with date, author and title of each contribution. Includes index of authors.

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9910. Leningrad. Vsesoiuznyi Arkkticheskii Institut. Svedeniia o sostoianii l'da u beregov Sovetskoi Arktiki za zimu 1933-34 gg. Leningrad, 1936. 56 p. fold. table, diagr. (*Its*: Trudy. T. 45) *Title tr.*: Data about ice conditions at the shores of the Soviet Arctic (winter season of 1933-34).

Compendium of observations taken from polar stations (on land) at Tikhaya Bay (for Franz Josef Land waters); Russkaya Gavan, Cape Zhelaniya, Matochkin Shar, (for Novaya

Zemlya waters); Vaygach Island and Yugorskiy Shar (for Yugorskiy Shar Strait between Barents and Kara Seas); Baydaratskaya Bay (station 69°30'N. 67°E.) and Belyy Island (for Kara Sea); Domashniy Island (Severnaya Zemlya waters); Cape Chelyuskin (for Boris Vil'kitskiy Strait between Kara and Laptev Seas), Komsomol'skoy Pravdy Islands, Nordvik, Dunay Island and Tiksi Bay (for coastal waters of Laptev Sea); Kotelnyy Island and Lyakhovskiy Islands (New Siberian Islands, and Dimitri Laptev Strait between Laptev and East Siberian Seas); Medvezh'i Islands (East Siberian Sea); Cape Schmidt, Wrangel Island (Chukchi Sea) and Cape Dezhneva (Bering Strait).

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9911. LENINGRAD. VSESOIŪZNIY ARKTIČESKII INSTITUT. Teshenit-diabazy i teshenit-porfirity Anadyr'skogo kraia. (*Its:* Trudy, 1937. T. 94, p. 155-75, illus., plate, diag.) *Title tr.:* The teschenite-diabases and teschenite-porphyrates of Anadyrland.

A study of material collected by B. N. Eliseev, 1933-34, during the Anadyr-Chukotsk Expedition of the Arctic Institute, U.S.S.R. Gives results of microscopical and chemical investigations of teschenites and discussion of their comparison with similar rocks from other parts of the U.S.S.R.; with a bibliography (19 items). Summary in English.

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9912. LENINGRAD. VSESOIŪZNIY ARKTIČESKII INSTITUT. Zoobentos Russkoĭ Gavanĭ i Krestovoĭ guby v svyazi s voprosom o rasprostraneniĭ novozemel'skoĭ treski. (*Its:* Trudy, 1937. T. 100, p. 93-104) *Title tr.:* Zoobenthos of Russkaya Gavan' and Krestovaya Bay in relation to the problem of distribution of Novaya Zemlya codfish.

Study based on samples of these marine fauna taken in 1931, at nine stations in two inlets on the west coast of Novaya Zemlya; lists of the forms with localities and depths.

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LENINGRAD. VSESOIŪZNIY ARKTIČESKII INSTITUT, *see also* Ermolaev, M. M. Instrukt'siia dlia eksped. izucheniia iskopaemogo l'da. 1932.

9913. LENINGRAD. VSESOIŪZNIY ARKTIČESKII INSTITUT. MOR-

SKOI SEKTOR. Standartnye gidrologicheskie razrezy v severnykh morakh. (Problemy Arktiki, 1940, no. 5, p. 98-100) *Title tr.:* Standard hydrological sections in northern seas.

Most advantageous places at which to make hydrological observations in Soviet arctic seas, with the object of getting data for ice forecasting.

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9914. LENZ, EMIL. Magnetische Beobachtungen. (*In:* Middendorff, A. T. v., and others. Reise in den äussersten Norden u. Osten Sibiriens, 1843-44, pub. 1847-75. Bd. 1, Theil 1, pub. 1847. p. 185-94) *Title tr.:* Magnetic observations.

Description of observations on magnetic declination, inclination, and absolute horizontal intensity at four localities in northern Krasnoyarskiy Krai. Includes tables with results of observations.

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9915. LENZ, EMIL. Meteorologische Beobachtungen auf dem Atlantischen und Grossen Ozeane in den Jahren 1847-49 angestellt von dem Dr. Ed. Lenz. (Akademiia nauk SSSR. Bulletin 1863. Sér. 3, T. 5, p. 129-55 (incl. 16 p. of tables)) *Title tr.:* Meteorological observations on the Atlantic and Pacific Oceans in the years 1847-49 made by Dr. Ed. Lenz.

The results of daily meteorological observations made by the ship's doctor on board the Russian American Co. *Atcha* during its voyages between Sitka, Alaska, and the Kamchatka Peninsula during the period May 25-Nov. 11, 1848, are tabulated, summarized and analyzed.

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LENZ, EMIL, *see also* Brandt, J. F., & others. Instructions données à M. Middendorff. 1843.

9916. LENZ, FR., and A. THIENEMANN. Chironomidenlarven aus Nowaja Semlja. Kristiania, 1922. 8 p. (Norske Novaja Semlja ekspedisjon, 1921. Report of the scientific results. No. 3)

Published by Det Norske videnskapsakademi, Oslo (Videnskapsselskapet i Kristiania). *Title tr.:* Chironomid larvae from Novaya Zemlya.

Descriptions of fourteen different fly larvae from twelve localities.

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9917. LENZ, HEINRICH WILHELM CHRISTIAN, 1846-1913. Grönländische Spinnen. (Zoologische Ergebnisse der von der Gesellschaft für Erdkunde zu Berlin . . . Grönländexpedition, V. Pub. as: Zoologica, 1897. Heft 20, p. 73-76, illus.) *Title tr.*: Greenland spiders. (Zoological results of the Geographical Society of Berlin Greenland Expedition, V)

Contains list, with synonymy, locations and notes, of seven (including with descriptions, three new) species, from Umanak District.

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LENZ, OSKAR, 1848-1925, *see* Toula, F., & O. Lenz. Geologie Ostgrönlands 73°-76°N. 1874.

LENZ, ROBERT E., 1833- , *see* Eigner, A. G. Trudy Russkoj poliarnoi stantšii na ust'e Leny. II. 1886-87.

LENZ, ROBERT E., 1833- , *see* International Polar Year, 1st, 1882-1883. Ekspeditsiia na Novuiu Zemlju. Trudy Russkoj poliarnoi stantšii. 1886-91.

9918. LEONOV, L. Mogut li poliarnye stantšii stat' rentabel'nymi? (Sovetskaja Arktika, 1939, no. 4, p. 102-106, illus.) *Title tr.*: Could the polar stations become profitable?

Discussion, using as an example, Wrangel Island. *Copy seen:* DLC.

9919. LEONOV, N. I. Tuzemnye shkoly na Severe. (In: Sovetskii Sever; pervyi sbornik statei, 1929, p. 200-218, illus.) *Title tr.*: Schools for the aborigines in the North.

Experience of teachers in the then recently established schools for native children in the Soviet North; difficulties encountered, methods used, and results obtained. *Copy seen:* DLC.

9920. LEONOV, N. I. Tuzemnye so-vety v taigie i tundrakh. (In: Sovetskii Sever; pervyi sbornik statei, 1929, p. 219-58, illus.) *Title tr.*: Soviets of the native peoples in the taiga and tundras.

Election and functioning of local soviets of the aborigines of the Soviet North; administration of justice, etc.

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LEONOV, N. I., *see also* Sovetskii Sever. 1929.

9921. LEONT'EV, A. M. Geobotanicheskie raiony Belomorsko-Kuloiskoi chasti Severnogo Kraia. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seriya 3. Geobotanika, 1935. Vyp. 2, p. 81-222, illus. (map)) *Title tr.*: Geobotanical regions of the White Sea — Kuloy part of the far North.

Results of the Northern Geobotanical Expedition of the Botanical Institute of the Academy of Sciences, U.S.S.R., 1932.

Contains a geobotanical survey of the vegetation of the region north and east from Arkhangelsk between the Severnaya Dvina and Kuloy Rivers (about 64°50'-66°32'N. 39°45'-43°40'E.), with notes on the physical geography and exploration of the region. Includes a detailed study of taiga, meadow, swamp and tundra plant associations, arranged by seven geobotanical regions with some economic notes. Summary in German. *Copy seen:* MH-A.

9922. LEONT'EV, F. S. Severnyi pre-del rasprostraneniia listvennykh drevnykh porod na Omolensko-Chukotskom Dal'nem Vostokey. (Moskovskoe obshchestvo ispytatelei prirody. Bülleten', Biologicheskii otdel, 1948. Novaya seriia, t. 53, vyp. 4, p. 79-82, text map) *Title tr.*: Northern limit of the distribution of hardwood species in the Omolon-Chukotsk Far East.

Contains data on distribution and northern limits of *Chosenia macrolepis*, *Populus suaveolens* and *Betula cajan-deri* in the region between the Omolon-Kolyma Rivers and the Anadyr ridge of Chukotsk Peninsula.

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9923. LEONT'EV, NIKOLAI. Iskusstvo nenetskogo naroda. (Sovetskaja Arktika, 1938, no. 5, p. 44-47, illus.) *Title tr.*: Art of the Samoyed people.

Notice on performances at the first Olympiad of Samoyed National Art in 1936.

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9924. LEONT'EVA, E. A. Klimaticheskaja kharakteristika aviatrassy Krasnoarsk — ostrov Diksona. Leningrad, Izd-vo Glavsevmorputi, 1937. 75 p. maps, tables, diagrs. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 96) *Title tr.*: Climatological characteristics of the air-route Krasnoyarsk — Dikson Island.

Climatological conditions along the Krasnoyarsk — Dikson Island airway

and at terminals. Summary of upper air conditions at Dikson Island, p. 71-74. Based on data from eight stations of which six (Verkhnë-Imbatskoye, Turukhansk, Igarka, Dudinka, Ust'-Yeniseyskiy Port and Dikson Island) are located north of 62°N.

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9925. LEONTEVA, E. A. Osnovnye cherty klimata ostrova Vrangeliâ i Chukotskogo poberezh'ia. Leningrad, 1937. 126, [2] p., map, diagrs. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 86, Materialy po klimatologii polârnnykh oblastei SSSR. Vyp. 5) *Title tr.:* Fundamental features of the climate of Wrangel Island and the Chukotsk coast.

Climatological conditions at stations along the northern coast of Chukotsk Peninsula (based on observations prior to 1937), and on Wrangel Island (based on observations 1927-36). Bibliography (24 items). Summary in English.

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9926. LEONTEVA, E. A., and V. K. IVANOV. Klimaticheskâia kharakteristika Ob'-Eniseiskogo raiona. Leningrad, Izd-vo Glavsevmorputi, 1939. 184 p. illus. (map), tables, diagrs. (1 fold.) (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 133) *Title tr.:* Climatic characteristics of the Ob'-Yenisey region.

Climatological conditions based on observations prior to 1936 at twenty-six polar stations (listed on p. 11). Includes data on winds, air temperatures, humidity, clouds, precipitation, fogs, and a discussion on agriculture under arctic conditions.

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9927. LEPAGE, ERNEST. The lichen and bryophyte flora from James Bay up to Lake Mistassini. (Bryologist, Dec. 1945. v. 48, p. 171-86)

Based on collections made in 1943 by the author and A. Dutilly during a trip along Rupert River. A list, with localities and habitats, of eighty-three species of lichens, thirty-three liverworts, and three hundred fifteen mosses.

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LEPAGE, ERNEST, *see also* Dutilly, A., & E. Lepage. Coup d'oeil flore subarctique Québec. 1945-47.

LEPAGE, ERNEST, *see also* Dutilly, A., & E. Lepage. Retracing route Michaux's journey 1792. 1945.

9928. LEPEKHIN, IVAN IVANOVICH, 1740-1802. Quatuor *fucorum* species descriptae. (Akademiia nauk SSSR. Novi commentarii, 1775. T. 19, p. 476-81, 4 fold. plates) *Title tr.:* Description of four species of *Fucus*.

Contains Latin diagnoses of four species of *Fucus*, a genus of algae, native to the White Sea.

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9929. LERMONTOVA, E. V. Nekotorye dannye o faune Ozarkina Novoï Zemli. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, 1932. T. 1, p. 195-98, plate) *Title tr.:* Some data on the Ozarkian fauna of Novaya Zemlya.

Results of the Novaya Zemlya Expedition of the Academy of Sciences, 1925. Description of two trilobite fossils from the Ozarkian in Novaya Zemlya near Pomorskaya Bay (Matochkin Shar). Summary in English.

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9930. LEROI-GOURHAN, ANDRÉ, 1911-. La zoologie mythique des Eskimo; sélection rituelle des matières animales. (La Terre et la vie, mai-juin, 1937. Année 7, p. 84-95, illus.) *Title tr.:* Mythical zoology of the Eskimos; ritualistic selection of animal subjects.

Study of Eskimo beliefs concerning the earth and its animal inhabitants, the heavens, spirits, the rivers and sea, as shown by their customs and religion.

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9931. LeROY, JAMES M. Hydrographical surveys. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 272-97, illus., chart, diagrs.)

Description of method and instrumentation, field of work, and compilation of results of echo soundings carried out by the Louise A. Boyd expeditions, 1937-38, in Greenland Sea. Includes notes on discovery of the Louise A. Boyd Bank at 72°39'-44°N, 2°47'-3°05'E.

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9932. LeROY, JAMES M. Magnetic observations. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 324-25)

Results of observations of magnetic declination made at four stations on Jan Mayen, one on Seven Islands (Sjuøyane, off Northeast Land) and seven along the East Greenland coast, between 74°43'-76°57'N, by the Louise A. Boyd Expedition, 1938.

Copy seen: DLC; NNA.

9933. LeROY, JAMES M. Photographic survey of the Orienting Islands. (In: Boyd, L. A., and others. The coast of northeast Greenland, 1948. p. 309-11, sketch map)

Description of the map construction method, using photographs of the islands (76°45'N. 20°W.) taken during the Louise A. Boyd Expedition, 1938.

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9934. Le ROY, PETR LUDOVIK, 1699-1774. Narrative of the adventures of four Russian sailors, who were cast in a storm upon the uncultivated island of East Spitzbergen, on which they lived for six years and three months. [Tr. from the German of Professor P. L. Le Roy. . .] (In: Pinkerton, John. A general collection of . . . voyages and travels . . . London, 1808-14. v. 1, p. 595-613)

Another edition of the item below.

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9935. Le ROY, PETR LUDOVIK, 1699-1774. A narrative of the singular adventures of four Russian sailors, who were cast away on the desert island of East-Spitzbergen. Together with some observations on the productions of that island, etc. By Mr. P. L. Le Roy . . . Tr. from the German original, at the desire of several members of the Royal Society. (In: Staehlin von Storcksburg, Jakob. An account of the new northern archipelago, lately discovered . . . in the seas of Kamtschatka and Anadir. London, 1774. p. 41-118)

Translated by C. Heydinger, from the German original *Erzählung der Begebenheiten vier russischer Matrosen*, 1760. Also published in a French translation (copy in ICJ).

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9936. Le ROY, PETR LUDOVIK, 1699-1774. Priklŭcheniĭa chetyrekh matrosov na Shpitsbergene. Leningrad, Izd-vo Vsesoiŭznogo arkticheskogo instituta, 1933. 51 [1] p. illus., diags. **Title tr.:** Adventures of four sailors on Spitsbergen.

Revised edition of the Russian translation published in 1772 of the German original *Erzählung der Begebenheiten vier russischer Matrosen, die durch einen Sturm zur Insel Ost-Spitzbergen verschlagen worden* . . . published at Riga and Mieltau 1760 (copy not located). An English translation was

published as *Narrative of the adventures of four Russian sailors*, q.v.

Contains introductory note (p. 3-17) by the editor V. Iŭ. Vize, outlining the discovery of Svalbard, with bibliographical footnotes. Account (p. 19-46) by a participant of the experience of four Russian sailors, who, after their ship was driven away by drift ice, were compelled to spend six years (1743-49) on Edge Island of the Svalbard group, relying upon their ingenuity and the natural resources of the island for survival, (e.g. during their stay they shot 250 reindeer and 10 white bears with improvised bow and arrow; as antidote to scurvy they used scurvy grass).

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Le ROY, PIERRE LOUIS, see Le ROY, PETR LUDOVIK, 1699-1774.

9937. LSHAFT, EMIL. Das Karische Meer als Seeweg nach Sibirien. (Annalen der Hydrographie und maritimen Meteorologie, Jan. 1914. Jahrg. 42, p. 1-14, 65-76, illus. (tables, 5 charts))

Title tr.: Kara Sea as a Siberian route.

Consideration of the ice conditions in Kara Sea, with table of conditions each year, 1869-1911, in Yugor Strait, Matochkin Shar, north Novaya Zemlya passage and the sea itself; description of typical states of the ice in the sea as a whole; discussion of mutual relation of the ice in Barents and Kara Seas, and of the influence of meteorological factors on Kara Sea ice.

Copy seen: DLC.

9938. LESKOV, ALEKSANDR IVANOVICH, 1902-1942. Fitotsenologicheskii ocherk redkoles'ĭa Basseina r. Poluĭa. (Akademiĭa nauk SSSR. Botanicheskii institut. Trudy. Seriĭa 3. Geobotanika, 1938. Vyp. 4, p. 253-76) **Title tr.:** A phytocoenologic sketch of "redkoles'e" (thin forest) in the valley of the Poluy River.

Contains a description of the plant associations in various phytocoenoses of "redkoles'e" or "thin forest" belt in the valley of the Poluy River (flowing northwest into the Ob at about 66°35'N. 66°32'E.), based on the author's observations during his exploring trip in 1933. Summary in German.

Copy seen: MH-A.

9939. LESKOV, ALEKSANDR IVANOVICH, 1902-1942. Geobotanicheskii ocherk primorskikh lugov Malozemel'-

skogo poberezh'ia Barentsova moria. (Botanicheskii zhurnal, 1936. T. 21, vyp. 1, p. 96-116) **Title tr.:** Geobotanical survey of the littoral meadows of the Malozemel'sk coast of the Barents Sea.

Contains a geobotanical survey of littoral meadows in the region of Malozemel'skaya Tundra, with data on the various types of vegetation, plant associations and typical grasses. Summary in German. **Copy seen:** MH-A.

9940. LESKOV, ALEKSANDR IVANOVICH, 1902-1942, and others. Materialy k flore Pechorskogo kraia. (Botanicheskii zhurnal, 1938. T. 23, no. 2, p. 161-65) *Other authors:* I. U. P. Iudin, and N. V. Dylis. **Title tr.:** Materials for the flora of the Pechora region.

Contains a list of fifty-one species of flowering plants and ferns, collected by the members of the Pechora Expedition of the Institute of the Academy of Sciences U.S.S.R., in 1934 and 1936, with data on the habitat and local distribution. **Copy seen:** MH-A.

9941. LESKOV, ALEKSANDR IVANOVICH, 1902-1942. Ocherk rastitel'nosti doliny r. Poluia. (Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seria 3. Geobotanika, 1938. Vyp. 4, p. 277-337, illus.) **Title tr.:** A sketch of the vegetation of the Poluy River valley.

Contains a description of plant associations of the inundated terraces of the valley of Poluy River, right tributary of Ob' River; the influence of alluvial deposits on the succession of the vegetation is studied in detail. Summary in French. **Copy seen:** MH-A.

LESKOV, ALEKSANDR IVANOVICH, 1902-1942, see also Andreev, V. N., & others. Olen'i pastbishcha Pol'arnogo Priural'ia. 1935.

9942. [LESLIE, ALEXANDER] The arctic voyages of Adolf Erik Nordenskiöld. 1858-1879. London, Macmillan & Co., 1879. xiv p., 1 l., 447, [1] p. front., illus., 3 fold. maps. Published in German as *Die Nordpolarreisen Adolf Erik Nordenskiöld's 1858 bis 1879.*

Contents: 1. The Nordenskiöld family; an autobiographical sketch. 2. The Swedish Arctic Expeditions of 1858 and 1861. 3. The Swedish Arctic Expedition of 1864. 4. The Swedish Polar Expedition of 1868. 5. Expedition to Greenland. 6. The Swedish Polar Expedition

of 1872-3. (Includes discussion of reindeer) 7. Voyage to the Yenissej in 1875 and ascent of the river. 8. Second voyage to the Yenissej in 1876. 9. The North-East Passage Expedition 1878-79.

Appendix 1. ENVALL, A. Official report to the Swedish Royal Board of Health in the hygiene and care of the sick during the Swedish Polar Expedition, 1872-3.

2. BAGGE, L. B. List of books and memoirs relating to the Swedish arctic expeditions. Both appendices appear in this Bibliography under their authors' names. **Copy seen:** DLC.

9943. [LESLIE ALEXANDER] Die Nordpolarreisen Adolf Erik Nordenskiöld's, 1858 bis 1879. Aus dem Englischen. Autorisirt deutsche Ausg. Leipzig, F. A. Brockhaus, 1880. x, 443 [1] p. 44 illus., 4 maps (incl. 1 fold., 2 double)

Translation of *The arctic voyages of Adolf Erik Nordenskiöld, 1858-1879*, q.v. **Copy seen:** DLC.

LESLIE, ALEXANDER, see also Nordenskiöld, N. A. E. Voyage of Vega round Asia & Europe. 1882.

9944. LESLIE, Sir JOHN, 1766-1832, and others. Discovery and adventure in the polar seas and regions. With a narrative of the recent expeditions in search of Sir John Franklin, including the voyage of the "Fox" and the discovery of the fate of the Franklin expedition. London, T. Nelson & Sons, 1860. 652 p. incl. front., and added t.p. *Other authors:* H. Murray and R. M. Ballantyne.

Later editions of the authors' *Narrative of discovery and adventure*, 1830 were published under slightly different titles, e.g., as above, and as *Polar seas and regions*. Text is similar to the original work with enlarged and more detailed chapters on a number of the voyages in search of the Northwest Passage, added section on the Franklin search expeditions; and omitting the chapter on arctic geology.

Copy seen (of various editions): DLC; MB; NNSf.

9945. LESLIE, Sir JOHN, 1766-1832, and others. Narrative of discovery and adventure in the polar seas and regions with illustrations of their climate, geology, and natural history; and an ac-

count of the whale-fishery. By Professor Leslie, Professor Jameson and Hugh Murray . . . Edinburgh, Oliver & Boyd; [etc., etc.] 1830. vi, [2], 424 p. illus., plates, fold. map. Added t.-p., illustrated.

Contains chapters on the climate of polar regions, the animal and vegetable life, ancient voyages to the North, voyages in search of Northeast and Northwest Passages and the North Pole, with concluding chapters on the northern whale fishery and arctic geology.

Chronicle of broad scope and appeal, intended "to exhibit a complete and connected view of successive voyages to the arctic regions" to time of publication. Several editions and reprints were published in the 1830's-40's, in Edinburgh by Oliver & Boyd, and in New York by Harper & Bros., with the fourth edition revised and enlarged, Edinburgh, 1835, chapters were added on voyages in the Canadian Arctic. From the 1850's the work continued to appear with further changes as *Discovery and adventure in the polar seas and regions*, q.v.

Copy seen (of various editions): DLC; NNS Stef.

9946. LESQUEREUX, LEO, 1806-1889. Contribution to the Miocene flora of Alaska. (U. S. National Museum. Proceedings, 1882, pub. 1883. v. 5, p. 443-49, plates VI-X)

Report on fossil plants collected by W. H. Dall from the south coast and islands of Alaska and Alaska Peninsula. Notes on twenty-one (including seven new) species not previously known from Alaska.

Copy seen: DLC.

9947. LESTER, JOSEPH. Come and get 'em! (Alaska sportsman, Apr. 1940. v. 6, no. 4, p. 8-9, 24-25, illus.)

Discussion of Dolly Varden trout as enemies of salmon, the bounty on these trout in the Bristol Bay region, and the salmon fishery in relation to it.

Copy seen: DLC.

LETHBRIDGE, T. C., see Wordie, J. M. Expedition to North West Greenland & Canadian Arctic 1937. 1938.

9948. LETTERS FROM THE ANDRÉE PARTY. (Smithsonian Institution. Annual report, 1897, pub. 1898. p. 401-412. 7 plates (incl. ports.)) Reprinted from McClure's magazine for March, 1898.

Brief account of S. A. Andrée's project to reach the North Pole by balloon in 1897, with a general description of the balloon; letter written by Nils Strindberg in the interval before the ascent at Danish Island, July 1897, and account of the start of Andrée and his party in the balloon, by Axel Stake.

Copy seen: DLC.

9949. LETTERS WRITTEN during the late voyage of discovery in the western arctic sea. By an officer of the expedition. London, Printed for Sir Richard Phillips & Co., 1821. iv, 124 p. 3 plates, map.

Letters from the Parry Expedition, 1819-20, describing the voyage and the wintering at Winter Harbour, Melville Island, the Canadian arctic waters and their ice, the arctic night, the activities of the crews and the weather.

Copy seen: CaOAr.

9950. LETZMANN, J. Zur laboratoriums-mässigen Darstellung der glazialen Antizyklone. (Annalen der Hydrographie und maritimen Meteorologie, Aug. 1932. Bd. 60, p. 334-38, illus., diagr.) **Title tr.:** On a laboratory representation of the glacial anticyclone.

A theoretical discussion of the dynamics involved in the air movement, based on research carried out in the Geophysical Division, Physical Institute in Graz.

Copy seen: DLC.

9951. LEUSHIN, N. I. Rezul'taty registratsii gradienta elektricheskogo potentšiala na ostrove Diksona. (Leninograd. Vsesoiuznyi arkticheskii institut. Trudy, 1937. T. 78, p. 7-16, tables, diagrs.) **Title tr.:** Results of the registration of the gradient of the electrical potential on Dikson Island.

Based on observations made by S. D. Ponomarev. Discussion (p. 7-10) with tabular data (p. 11-16) of average values of potential gradient characterizing all days and normal days, Nov. 16, 1933-Aug. 10, 1934; graphical presentation of correlation between gradient, wind force and temperature, and suggestion of forecasting snow storms by changes of the potential. Bibliography (6 items). Summary and table captions in English.

Copy seen: DSI-M.

9952. LEUSSLER, R. A., and O. BRYANT. Notes on the diurnal Lepidoptera of the Canadian Arctic collected by

Owen Bryant in the summers of 1929 to 1932. With introduction and field notes by Owen Bryant. (Brooklyn Entomological Society. Bulletin, Feb.-June 1935. v. 30, p. 1-10, 42-62, 115-18)

The introduction and field notes (pt. 3) by O. Bryant describe localities where the butterflies were collected: Churchill in northern Manitoba, Herschel Island, Shingle Point in Yukon Territory, and several places in the lower Mackenzie River region, including the delta. The "notes" by R. A. Leussler are an annotated list, with localities, of forty-six (including with descriptions, one new) species of butterflies. **Copy seen:** DA.

9953. LEV IAKOVLEVICH SHTERNBERG. (Etnografiä, 1927. v. 2, no. 2, p. 263-66) **Title tr.:** Lev Iakovlevich Shternberg.

Contains biographical data on L. I. A. Shternberg outlining the main stages of his career as an ethnographer, including his work on natives of the North. **Copy seen:** DLC.

9954. LEVANDER, KAARLO MAINIO, 1867-1937. Anteckningar till Finlands spongillidfauna. (Societas pro fauna et flora fennica. Meddelanden, 1900-1901, pub. 1901. Häfte 27, p. 56-60, 182-83) **Title tr.:** Notes on spongillid fauna of Finland.

Contains critical notes on five species of fresh-water sponges (Spongillidae) of Finland, including *Euspongilla lacustris*, native to Kemi Lappmark and Kola Peninsula and *Ephydatia mülleri* occurring in Nuottijärvi, Kemi Lappmark. Summary in German.

Copy seen: MH-A.

9955. LEVANDER, KAARLO MAINIO, 1867-1937. Ett bidrag till kännedom om vår vinterfauna. (Societas pro fauna et flora fennica. Meddelanden 1912-1913, pub. 1913. Häfte 39, p. 95-106, 249) **Title tr.:** A contribution to the knowledge of winter fauna of Finland.

Contains data on thirty-one species of winter insects, based on the results of five excursions made in Jan. 1913 in the central part of Finland, with some biological notes on various insects. Includes some species extending to Finnish arctic regions.

Copy seen: MH.

9956. LEVANDER, KAARLO MAINIO, 1867-1937. Zur Kenntnis der Rhi-

zosolenien Finlands. (Societas pro fauna et flora fennica. Meddelanden, 1903-1904, pub. 1904. Häfte 30, p. 112-17, plate) **Title tr.:** To the knowledge of *Rhizosolenia* of Finland.

Contains a study of distribution of four species of diatoms (*Rhizosolenia*) in Finland, including *Rhizosolenia longiseta* and *R. eriensis*, native to Finnish Lapland and the Kuusamo region. **Copy seen:** MH-A.

9957. LEVANDER, KAARLO MAINIO, 1867-1937. Zur Kenntnis des Küstenplankton im Weissen Meere. (Societas pro fauna et flora fennica. Meddelanden, 1915-1916, pub. 1916. Häfte 42, p. 150-58) **Title tr.:** To the knowledge of plankton of the White Sea coasts.

Contains a list of forty-five species of marine and fresh-water phytoplankton and twenty-nine species of zooplankton, based on several collections (1886-1913) from various localities of the White Sea, including Kandalaksha, Kem, Knäsha and Keret Bays.

Copy seen: MH-A.

9958. LEVANEVSKII, SIGIZMUND ALEKSANDROVICH, 1902-1937. Nash perelet Los-Anzhelos-Moskva. (Sovetskaiä Arktika, 1936, no. 11, p. 12-16, illus.) **Title tr.:** Our flight Los Angeles—Moscow.

Account of the author's flight: from Los Angeles via Canada, Alaska, Bering Strait, Uelen, Cape Shmidt, Ambarchik, to Moscow in 1936.

Copy seen: DLC.

LEVANTO, E. R., see Suomalainen tie-deakatemia. Sodankylä observatorium. Ergebnisse d. magnet. Beob. 1914-39. 1921-47.

LEVASHEV, Lieutenant, see Pallas, P. S. Bering's successors 1745-80. 1947 & 1948.

LEVASHEV, Lieutenant, see Pallas, P. S. Neue nordische Beyträge. 1781-96.

9959. Le VASSEUR, N. La Baie d'Hudson, deux îles redécouvertes. (Société de géographie de Québec. Bulletin, mai-juin 1915. v. 9, no. 3, p. 140-49)

Account (in brief) of three trips by Robert J. Flaherty, 1910-1914, in the region of Hudson Strait and Bay, the Belcher Islands and Ungava Peninsula; particularly the third trip, Aug. 1913-

Sept. 1914, the wintering at Amadjuak Bay (southern Foxe Land) Baffin Island, observing local Eskimo life, making photographs, moving pictures, etc.

Copy seen: DLC.

9960. LÉVEILLÉ, AUGUSTIN-ABÉL-HECTOR, *Abbé*, 1863-1918. *Decades plantarum novarum*, 4-5. (*Repertorium specierum novarum regni vegetabilis*, 1908. Bd. 5, no. 79-80, p. 8-12) *Title tr.*: Decade of new plants, 4-5.

Contains a Latin diagnosis of Epilobium alaskae n. sp. from Kodiak Island, Alaska. *Copy seen:* MH-A.

9961. LEVENTAL', LEV GRIGOR'E-VICH, 1856-1910. Podati, povinnosti i zemliā u ūkutov (ot 1766 g.). (Akademiā nauk SSSR. Komissiiā po izučeniū Īakutskoi Avtonomnoi Sovetskoi Sośialisticheskoi Respubliki. Trudy, 1929. Tom. 4: Materialy po obychnomu pravu i po obshchestvennomu bytu ūkutov, p. 221-448, port.) *Title tr.*: Taxes, dues and land of the Yakuts (from 1766).

A detailed study of the regulations, organization and functioning of Russian taxation of the Yakuts, in kind, services, and money, from 1766 to the beginning of the 19th century; particularly the effects on the social organization and customs of the Yakuts; based in part on the author's work with the Sibirākov expedition of 1894-96. Summary in English, p. 452-53.

Copy seen: DLC.

LEVERIN, H. A., *see* O'Neill, J. J. *Geology arctic coast of Canada*. 1924.

9962. LEVESON-GOWER, R. H. G. HBC and the Royal Society. (Beaver, Sept. 1934. Outfit 265, no. 2, p. 29-31, 66)

The Hudson's Bay Co. archivist briefly reports on the communication between the Company and Royal Society, and the scientific contributions made by the Company between 1737-74.

Copy seen: DSI-M.

9963. LEVESON-GOWER, R. H. G. Later voyages for discovery of the North-West Passage. (Beaver, Sept. 1937. Outfit 268, no. 2, p. 23-24)

Outline of the efforts from 1750-1800, made by the Hudson's Bay Co. to carry out the terms of the original charter calling for a search for the Passage.

Copy seen: DSI-M.

9964. LEVESON-GOWER, R. H. G. Voyages for discovery of the North-west Passage. (Beaver, June 1936. Outfit 267, no. 1, p. 45-49, incl. 1 sketch and 1 double-face map)

The Hudson's Bay Co. archivist recounts exploratory efforts made by the Company in the early 18th century in fulfillment of objectives in its charter. These voyages were in the Hudson and Baffin Bay waters.

Copy seen: DSI-M.

9965. LEVIN, A. I., and F. M. KHALET'SKAIA. K voprosu o patogeneze otmorozhenii. (Rol' mestnykh rasstroistv krovoobrashcheniā). Soobshchenie I. (Arkhiv biologicheskikh nauk, 1940. T. 60, vyp. 3, p. 15-24, illus.) *Title tr.*: Contribution to the problem of the pathogenesis of frostbite. (The role of local disturbances of the circulation) Report no. I.

Results of experiments on animals, using natural agencies to induce frostbite, and induced anemia in the ear, in order to clarify "the manner in which various types of local circulatory derangement are manifested in the incidence and development of frostbite". (English translation by E. R. Hope). Bibliography (11 items). Translation in English was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 43-52. (Copy in DLC).

Copy seen: DSG.

9966. LEVIN, A. I., and T. IA. MAIZEL'. K kharakteristike uglevodnogo obmena u bol'nykh s otmorozheniem. (Arkhiv biologicheskikh nauk, 1940. T. 60, vyp. 3, p. 25-28, diags.) *Title tr.*: On the carbohydrate metabolism rating of patients with frostbite.

Results of tests on 3d degree frostbite patients (acute) showing that frostbite is not accompanied by any marked disturbance of the carbohydrate metabolism (glycemic level, lacticidemia, glycemic curve, no glycosuria), and that a carbohydrate-rich diet may be recommended. English translation was published in E. R. Hope, *Frostbite; translations [etc.]*, Ottawa, Defence Research Board, 1950, p. 40-42. (Copy in DLC).

Copy seen: DSG.

9967. LEVIN, D. V., and others. Geofizicheskie metody razvedki v Arktike. Leningrad, Izd-vo Glavsevmorputi;

[etc.] 1936. 104 p. illus., fold. map., diagrs. (Leningrad. Vsesoiuznyi arkticheskii institut. Trudy. T. 151) *Other authors:* N. N. Mikhailov, I. A. Riss, N. N. Samsonov, and A. E. Sharikov. *Title tr.:* Geophysical methods of prospecting in the Arctic.

Results of geophysical prospecting at Nordvik, Ust' Port, Yugor Peninsula, and Adycha-Yana regions; outline of techniques used, and remarks on methods under arctic conditions.

Copy seen: DLC.

9968. LEVIN, ERNST IVAR. Les microbes dans le régions arctiques. (Institut Pasteur, Paris. Annales, 1899. Ann. 13, p. 558-67) *Title tr.:* Microbes of arctic regions.

The author summarizes what little research had been done on bacteria in air of the Arctic, and discusses his own experiments on Bear Island, West Spitsbergen, and King Karl's Land, in bacterial counts of air, glacial streams, and digestive tracts of birds and animals.

Copy seen: DA.

LEVIN, I. A. F., *see also* Genkin, R. L., & I. A. F. Levin. Klinika, klassifikatsiia i lechenia otmorozhenii. 1943.

9969. LEVIN, M. G. Alesh Grdlichka. (Zhizn' i deiatel'nost'). (Akademiia nauk SSSR. Institut etnografii, Kratkie soobshcheniia, 1946. Vyp. 1, p. 88-100) *Title tr.:* Aleš Hrdlička. (His life and activity).

Contains a detailed biographical study of Aleš Hrdlička, 1869-1943, with data on his work in Mongolia and Siberia; also his study of the population of eastern Asia and archeological work in Alaska which resulted in the establishment of connections between the culture complexes of arctic America and the Asiatic mainland. The article includes numerous references to Hrdlička's works. *Copy seen:* DLC; NN.

9970. LEVIN, M. G. Antropologicheskie tipy Amura i Okhotskogo poberezh'ia. (Akademiia nauk SSSR. Institut etnografii. Kratkie soobshcheniia, 1946. Vyp. 1, p. 65-69) *Title tr.:* Anthropological types of the Amur and Okhotsk shores.

Contains a preliminary classification of the anthropological types of the Amur River and Okhotsk Sea regions, on the basis of the investigations of other authors. The article is divided

into two parts according to the areas dealt with. Characteristics of four types in the Okhotsk Sea area, are described briefly.

Copy seen: DLC; NN.

9971. LEVIN, M. G. Antropologicheskie tipy Yakutov. (Akademiia nauk SSSR. Institut etnografii. Kratkie soobshcheniia, 1947. Vyp. 3, p. 55-58) *Title tr.:* The physical type of the Yakuts.

Contains results of field investigations in 1945 on physical anthropology of the Yakuts. A table of 40 measurements and observations for 9 different regions is given. Some evidence of mixture with other groups is shown, as well as comparisons with other Siberian tribes.

Copy seen: NN.

9972. LEVIN, M. G. Evenki severnogo Pribaikal'ia. (Sovetskaiia etnografiia, 1936, vyp. 2, p. 71-77) *Title tr.:* The Evenki of the northern Baykal region.

Contains a short description of the material and social culture of the Tungus (Evenki) of the northern Baykal region. Includes data on dwellings, occupations, use of reindeer as pack animals, Russian influences, dress, division of labor, religion (bear worship, spirits of the taiga, etc.), fishing, shamans and their functions, dress and paraphernalia.

Copy seen: DLC.

9973. LEVIN, M. G. K antropologii chukoch. (Antropologicheskii zhurnal, 1936, no. 2, p. 228-32, tables) *Title tr.:* Contributions to the anthropology of the Chukchis.

Contains analysis of anthropometrical data on the Chukchis obtained in 1931, with some comparative material on the Gilyaks, Koryaks, Yukaghirs, and Asiatic Eskimos.

Copy seen: DLC.

9974. LEVIN, M. G. K probleme istoricheskogo sootnosheniia khoziaistvenno-kul'turnykh tipov severnoi Azii. (Akademiia nauk SSSR. Institut etnografii. Kratkie soobshcheniia, 1947. Vyp. 2, p. 84-86) *Title tr.:* Contributions to the study of the economic-cultural types of northern Asia.

Contains an attempt to establish types of native economy for northern Asia and their origin, as follows: (1) taiga hunting and fishing; (2) arctic hunters of sea animals; (3) sedentary fishermen along large rivers; (4) hunt-

ing and reindeer breeding of the taiga;
(5) reindeer breeding of the tundra.

An attempt by V. G. Bogoras and A. M. Zolotarev to establish the stage of cultural development in northern Asia is critically examined and some corrections and qualifications are added.

Copy seen: DLC; NN.

9975. LEVIN, M. G. O proiskhozhdenii i tipakh upriazhnogo sobakovodstva. (Sovetskaiâ étnografiâ, 1946, vyp. 4, p. 75-108, 24 illus.) *Title tr.:* Concerning the origin and types of dog harness.

Contains a discussion of the origin and types of dog harness, with considerable comparative data from the Tungus, Yeniseians, Ostyaks, etc., showing methods of harnessing. The extensive use of a small "hand" sleigh dragged by the hunter is indicated among the Tungus, Amur River tribes, Zyryans and others, and its construction is described. Some data are given regarding the method of harnessing dogs to this small type of sleigh. Five major types of dog harness, along with their distribution, and three types of dog sleigh are described. On the basis of this, the author is able to establish five types of uses of dogs in harness, their distribution and possible origin.

Copy seen: DSI-M; NN.

LEVINE, ISAAC DON, 1892- , see Zeninov, V. M., & I. D. Levine. Road to oblivion. 1931.

9976. LEVINE, VICTOR E. The basal metabolic rate of the Eskimos. (American Society of Biological Chemists. Proceedings 31st annual meeting, Apr. 1937. *Pub.* in Journal of biological chemistry, June 1937, v. 119, p. lxi-lxii)

Contains report on metabolism and note on anemia, based on studies of sixteen Eskimos from the lower Yukon River and Nome, July-Aug. 1934.

Copy seen: DLC; NN.

9977. LEVINE, VICTOR E., and others. The blood iron and blood copper of Eskimos. (American Society of Biological Chemists. Proceedings 31st annual meeting, Apr. 1937. *Pub.* in Journal of biological chemistry, June 1937, v. 119, p. lxiii) *Other authors:* A. Sachs, and A. A. Fabian.

Based on tests of 62 Eskimos of the lower Yukon, St. Michael, Stebbins, King Island and Nome, July-Aug. 1934,

showing that fish-eating Eskimos have a greater tendency to anemia than the meat-eating natives.

Copy seen: DLC; NN.

9978. LEVINE, VICTOR E. Capillary fragility tests on Eskimos and whites living in the Arctic. (American Society of Biological Chemists. Proceedings 31st annual meeting, Apr. 1937. *Pub.* in Journal of biological chemistry, June 1937, v. 119, p. lxii)

Based on tests made in 1935 on 1046 people (760 Eskimos, 5 Lapps, and 281 whites), living between St. Michael and Point Barrow, Alaska, showing that diet of whites and Eskimos (when examined) showed deficiency in vitamin C.

Copy seen: DLC; NN.

9979. LEVINE, VICTOR E. Scurvy, the soldier's calamity. (Military surgeon, Aug. 1941. v. 89, p. 140-55)

History of scurvy and its effect on morale, and on healing of wounds, drawn from 19th and 20th century records with a bibliography (55 items).

Copy seen: DLC; NNSStef.

9980. LEVINE, VICTOR E. The value of meat as an antiscorbutic. (American journal of digestive diseases, Dec. 1941. v. 8, p. 454-63)

Clinical discussion of various problems relating to vitamin C: inactivation by heat, potency with reference to freezing, blood as antiscorbutic, and the guinea pig as test animal; discussion of importance and examples of meat as an antiscorbutic, and vitamin C content of arctic foods; bibliography (67 items).

Copy seen: DLC; NNSStef.

9981. LEVINE, VICTOR E., and C. G. WILBER. Fat metabolism in Alaska Eskimos. (Federation proceedings of the Federation of American Societies for Experimental Biology, Mar. 1949. v. 8, no. 1, p. 95-96)

Note on results (mean values) of fifty analyses for lipid component of Point Barrow Eskimos, based on the authors' studies at the Arctic Research Laboratory there under auspices of the Arctic Institute of North America.

Copy seen: CaMAI.

9982. LEVINSSEN, GEORG MARIUS REINALD, 1850-1914. Bidrag til kundskab om Grønlands trematodfauna. (Danske videnskabernes selskab. Over-

sigt . . . forhandler, 1881. p. 52-84, 2 plates) *Title tr.*: Contribution to knowledge of Greenland's trematodes.

Descriptions in Latin, and notes on fourteen (including seven new) species of these parasitic flatworms, mostly from cod (and a few from the eider) of Egedesminde, West Greenland.

Copy seen: DLC.

9983. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Bryozoa. Danmark-ekspeditionen til Grønlands nordøstkyst, 1906-1908. Bd. 3, nr. 16. (Meddelelser om Grønland, 1917. Bd. 43 p. 431-72, plates XIX-XXIV) Posthumous manuscript completed by Ad. S. Jensen.—Pref.

Contains a list, with synonymy, locations, and discussion, of sixty-seven (including with description, two new) species, and one new genus, collected in the outer waters of Dove Bay, near Danmarks Havn. *Copy seen:* DLC.

9984. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Bryozoa, Endoprocta, Pterobranchia og Enteropneusta. (*In*: Conspectus fauna groenlandicae, 3. del, nr. 5, *Pub.* in Meddelelser om Grønland, 1914. 23. hefte, p. 545-634)

List, with synonymy, references to literature and localities, of hundred forty-seven species of bryozoans, six polyzoans and two hemichordates from waters off the east and west coasts of Greenland; bibliography, p. 631-34.

Copy seen: DLC.

9985. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Bryozoeer fra Kara-havet. (*In*: Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 305-28, plates 26-27) *Title tr.*: Bryozoans from Kara Sea.

List, with references to literature, depth and descriptions, of fifty-one (including two new) species. Summary in French, p. 512. *Copy seen:* DLC.

9986. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Kara-havets Echinodermata. (*In*: Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 381-418, plates 34 and 35) *Title tr.*: Echinoderms of the Kara Sea.

List, with synonymy, references and some descriptions, of twenty-seven species of starfish, etc. Summary in French, p. 513-14. *Copy seen:* DLC.

9987. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Kara-havets leddorme (Annulata). (*In*: Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 287-303) *Title tr.*: Annelid (Annulata) worms of the Kara Sea.

List, with synonymy, remarks and depth, of sixty (including with descriptions, two new) species. Summary in French, p. 512. *Copy seen:* DLC.

9988. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Kara-havets svampe (Porifera). (*In*: Lütken, C. F. Dijnphna-togtets zoologisk-botaniske udbytte, 1887, p. 339-72, plates 29-31) *Title tr.*: Sponges of the Kara Sea. (Porifera).

List, with synonymy, references to literature, depths, discussions and some descriptions, of nineteen (including six new) species. Summary in French, p. 512-13. *Copy seen:* DLC.

9989. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Meduser, ctenophorer og hydrorder fra Grønlands vestkyst, tilligemed bemærkninger om hydroidernes systematik. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1892, *pub.* 1893. Aarg. 44, p. 143-212, 4 plates) *Title tr.*: Medusae, Ctenophora, and Hydroidea from the west coast of Greenland, with remarks on the systematics of the hydroids.

Systematic list of twenty-five species of medusans, three ctenophorans, and sixty-four (including with descriptions, ten new) species of hydroids, giving geographic distribution, localities, and in some cases extensive taxonomic discussion. *Copy seen:* DSI-M.

9990. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Om en ny *Thujaria*-art fra Kara-Havet. *Thujaria carica*, nov. sp. (Dansk naturhistoriske forening. Videnskabelige meddelelser, 1892, *pub.* 1893. Aarg. 44, p. 213-14) *Title tr.*: On a new *Thujaria* species from Kara Sea. *Thujaria carica*, nov. sp.

Full description of a new coelenterate. *Copy seen:* DSI-M.

9991. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Rotatoria. (*In*: Conspectus fauna groenlandicae, 3. del, nr. 6. *Pub.* in Meddelelser om Grønland, 1914. hefte 23, p. 635-58)

List, with synonymy, references to literature and localities, of eighty-eight species from regions on the west and east coasts of Greenland; bibliography, p. 657-58. **Copy seen:** DLC.

9992. LEVINSEN, GEORG MARIUS REINALD, 1850-1914. Smaa bidrag til den grønlandske fauna. (Naturhistoriske forening. Videnskabelige meddelelser, 1881, pub. 1882. Aarg. 33, p. 127-36, illus.) **Title tr.:** Small contributions to the fauna of Greenland.

Contains remarks and description of a new species classified by the author as a rhizopod; remarks on the rotifer fauna of Greenland and on a Greenland chaetopod; description of a new leech. **Copy seen:** DLC.

LEVINSON, A. Z., see Fersman, A. E., & others. Sulfidnye mestorozhdeniia Moncha-guby. 1932.

9993. LEVRING, TORE. Über die Phaeophyceengattungen *Myriogloia* Kuck. und *Haplogloia* nov. gen. (Botaniska notiser, 1939, häfte 1, p. 40-52, illus.) **Title tr.:** On the genera *Myriogloia* Kuck. and *Haplogloia* n. gen. of the Phaeophyceae.

Contains a critical revision of the algal family Myriogloiaceae (brown algae), including *Myriogloia callitricha* from the West Greenland coast, and Latin diagnosis of *Haplogloia* n. gen. and *H. andersonii* n. comb., native to Sitka (Baranof) Island, Alaska.

Copy seen: MH-A.

9994. LEVSKII, V. P. Islandskii shpat. (Sovetskaiia Arktika, 1935, no. 4, p. 67-70, illus.) **Title tr.:** Iceland spar.

Contains data on Iceland spar occurrences and some other mineral resources of the Lower Tunguska River basin, based on the work of a survey party in the region, 1930-34.

Copy seen: DLC.

9995. LEWIN, PERCY, EVANS, 1876-. The North-West Company and the fur trade. (United Empire; the Royal Colonial Institute Journal, 1923. New ser., v. 14, p. 369-71)

Note on an unsigned ms. *Some account of the trade carried on by the North-West Company, 1809*, in the Library of the Royal Empire Society, London, with an account of the operations of the Company in western Canada, around Great Slave Lake and upper Mackenzie River region. Includes

remarks on the Indians and on the Jay Treaty, 1794, in relation to the fur trade.

Copy seen: CaO (also photographic copy of the ms.).

9996. LEWIN, WALTER HENRY, 1866-. Did Peary reach the Pole? By "an Englishman in the street" (W. Henry Lewin) London, Simpkin, Marshall, Hamilton, Kent & Co., Ltd., 1911. xii, 9-84 p., fold. map.

A critical analysis of Peary's records of distances, speed of marches, etc., during his dash to the Pole; with some references to Nansen's and others' experience. **Copy seen:** DLC; NNS Stef.

9997. LEWIN, WALTER HENRY, 1866-. The great North Pole fraud, by W. Henry Lewin . . . with a monograph by Capt. Thos. F. Hall on the murder of Professor Ross G. Marvin. London, C. W. Daniel Co. Ltd. [1935] vii, 192 p. fold. map, diagrs.

"This book is the personal history of a twenty-five years' anti-Peary propaganda . . . Many of the articles and much of the correspondence in Part II of this book are reprints from . . . [the *Individualist*, a journal published annually by the author] which during its twenty-three years of issue, ending in 1930, was largely responsible for a more or less continuous anti-Peary publicity".—Foreword.

Copy seen: DLC; NNS Stef.

9998. LEWIS, ARTHUR. Life and work of the Rev. E. J. Peck among the Eskimos. New York, A. C. Armstrong & Son, 1904. xvi 349, [1] p. 18 plates.

Account of the work of a Church of England missionary, 1876-1902, on the eastern coast of Hudson Bay, on Ungava Bay and at Cumberland Sound, Baffin Island; with chapters describing the life of the Eskimos.

Copy seen: DLC; NNS Stef.

9999. LEWIS, HARRISON FLINT, 1893-. Notes on September birds along Ontario's sea-coast. (Canadian field naturalist, Apr. 1939. v. 53, p. 50-53)

Field observations made between Moosonee and East Point, Hannah Bay (James Bay). **Copy seen:** DLC.

10000. LEWIS, HARRISON FLINT, 1893-, and HAROLD S. PETERS. Notes on birds of the James Bay region

in the autumn of 1940. (Canadian field naturalist, Nov. 1941. v. 55, p. 111-17)

Lists, with notes on dates and localities, of eighty-one birds from the Ontario and Quebec shores of James Bay, forty-eight birds seen on Akimiski Island, thirty-three species on Strutton Islands, and twenty-five species of Plover Shoals, east side of Hannah Bay. **Copy seen:** DLC.

LEWIS, J. S., *see* Kark, R. M., & others. Defects of pemmican. 1945.

10001. LEWIS, Sir THOMAS. Observations on some normal and injurious effects of cold upon the skin and underlying tissues. (British medical journal, Dec. 6, 13, and 20, 1941. p. 795-97, 837-39, 869-71) Holme lectures delivered at University College Hospital, London.

Contents: 1. Reactions to cold, and injury of normal skin. 2. Chilblains and allied conditions. 3. Frost-bite. Bibliographies (37 items). **Copy seen:** DSG.

LEWIS & SONS, Philadelphia, *see* Quale, P. Account of eryolite in Greenland. 1867.

10002. LI, FANG-KUEI. Chipewyan. (In: Osgood, C. ed. Linguistic structures of native America, 1946. p. 398-423)

Description of phonology, morphology, verbs, etc., based on language observations made at Chipewyan on Lake Athabaska, northern Alberta, in 1928. **Copy seen:** DLC.

10003. LI, FANG-KUEI. A list of Chipewyan stems. (International journal of American linguistics, 1933. v. 7, p. 122-51)

Contains a list of about thirteen hundred Chipewyan word stems, from material gathered at Fort Chipewyan, northern Alberta. Includes brief discussion of the general characteristics of the language. **Copy seen:** DLC.

10004. LIBBEY, WILLIAM, 1855-1927. The relations of the Gulf Stream and the Labrador Current. (International Geographical Congress. 6th, London, 1895. Report, 1896. p. 461-74, fold. diagr.) Translation in German appeared in *Annalen der Hydrographie u. maritimen Meteorologie*, 1895. Jahrg. 23, p. 416-19.

Contains discussion of the temperature relationships of the surface and deep currents, based on a series of profile studies made over a period of three years, off the New England coast, in connection with fisheries research.

Copy seen: DLC.

10005. LIBBEY, WILLIAM, 1855-1927. Some of the geographical features of southeastern Alaska. (American Geographical Society. Journal, 1886, v. 18, p. 279-300, illus.)

Observations made by the author (a professor of physical geography) during his visit (with F. Schwatka), to Alaska in 1886, sponsored by the *New York Times*. Description of the beauties of the coast as viewed by travelers, and remarks on the character of the mountains, with special treatment (in more detail) of the Mt. Saint Elias "group". **Copy seen:** DLC.

10006. LIBIN, I. A. S. Èkspeditšijn na samolet "SSSR N-169". (In: Èkspeditšijn na samolet "SSSR-N-169" v raion "Poliusa Nedostupnosti". Nauchnye rezultaty. 1946. p. 14-27, illus., port. map.) **Title tr.:** The U.S.S.R. N-169 Expedition.

A report (by the chief scientist) on the aerial expedition April 1941, to the region of the "Pole of Inaccessibility" in the Arctic Basin (about 81°N. 180°E.). Includes information on the personnel, route and stops during the 29,000 kilometer flight; equipment, scientific work and principal results. Summary in English. **Copy seen:** DLC.

10007. LIBIN, I. A. S. Hidrologičeskie nablūdeniia. (In: Èkspeditšijn na samolet "SSSR-N-169" v raion "Poliusa Nedostupnosti". Nauchnye rezultaty, 1946, p. 74-123, plates, maps, tables, diagrs.) **Title tr.:** Hydrological observations.

An account (by the leader of the scientific section of the airplane Expedition to the Pole of Inaccessibility, 1941) of the program, equipment, and technique of the oceanographic work. Data and discussion of the soundings and bottom samples taken at landing points; of the salinity and oxygen, temperature (including vertical) and current observations made; also ice cover observed, April 1941. Summary in English. **Copy seen:** DLC.

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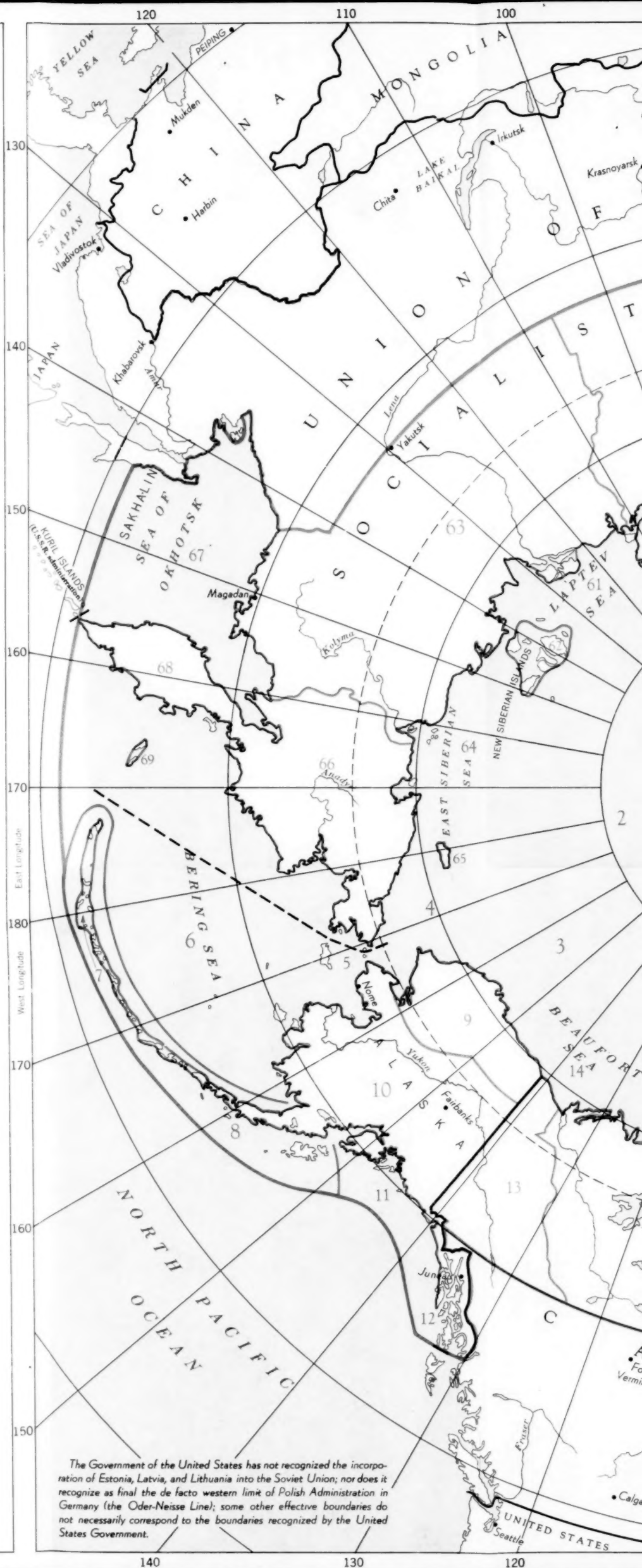
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REGIONAL SECTIONS

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- 68 Kamchatka, Poluostrov
- 69 Komandorskiye Ostrova



The Government of the United States has not recognized the incorporation of Estonia, Latvia, and Lithuania into the Soviet Union; nor does it recognize as final the de facto western limit of Polish Administration in Germany (the Oder-Neisse Line); some other effective boundaries do not necessarily correspond to the boundaries recognized by the United States Government.

